

# 2022-2023 Cal Poly Humboldt Catalog



**Welcome to the Cal Poly Humboldt Catalog!**

The catalog is your source for official information on academic programs, policies, degree requirements, procedures and course offerings.

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# The California State University

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Welcome to the California State University (CSU) - the nation's largest comprehensive university with 23 unique campuses and seven off-campus centers serving approximately 477,000 students and employing more than 56,000 faculty and staff.

Each year, the university awards more than 133,000 degrees. CSU graduates are serving as leaders in the industries that drive California's economy, including business, agriculture, entertainment, engineering, teaching, hospitality and healthcare. To learn more visit the California State University website.

## A Tradition of Excellence for More Than Six Decades

Since 1961, the CSU has provided an affordable, accessible and high-quality education to 4 million living alumni throughout California. While each campus is unique based on its curricular specialties, location and campus culture, every CSU is distinguished for the quality of its educational programs. All campuses are fully accredited, provide a high-quality broad liberal educational program and offer opportunities for students to engage in campus life through the Associated Students, Inc., clubs and service learning. Through leading-edge programs, superior teaching and extensive workforce training opportunities, CSU students graduate with the critical thinking skills, industry knowledge and hands-on experience necessary for employment and career advancement.

## Facts

- Today, one of every 20 Americans with a college degree is a CSU graduate.
- 1 of every 10 employees in California is a CSU graduate.
- The CSU awards about half of the bachelor's degrees earned in California.
- The CSU awards 36% of California's undergraduate nursing degrees
- The CSU prepares more of California's teachers, pre-school through grade 12, than any other institution. Nearly four percent of the nation's teachers graduate from the CSU.
- In 2020, CSU students earned nearly 25,000 business degrees and more than 9,000 engineering degrees.
- The CSU offers more than 170 fully online and 140 hybrid degree programs and concentrations.
- The CSU's online concurrent enrollment program gives students the ability to enroll in courses offered by other campuses in the CSU.
- Over a recent four-year period, the CSU has issued nearly 50,000 professional development certificates in education, health services, business and technology, leisure and hospitality, manufacturing, international trade and many other industries.
- CSU Centers for Community Engagement and Service Learning make available nearly 2300 service learning courses.
- 38,000 CSU students participated in service-learning, contributing 728,000 hours of service in 2020-21.

## Governance

The CSU is governed by the Board of Trustees, most of whom are appointed by the governor and serve with faculty and student representatives. The CSU chancellor is the chief executive officer, reporting to the board. The campus presidents serve as the campus-level chief executive officers. The trustees, chancellor and presidents develop

university-wide educational policy. The presidents, in consultation with the CSU Academic Senate and other campus stakeholder groups, render and implement local policy decisions.

## CSU Historical Milestones

The individual California State Colleges were established as a system with a Board of Trustees and a chancellor in 1960 by the Donahoe Higher Education Act. In 1972, the system was designated as the California State University and Colleges, and in 1982 the system became the California State University. Today, the CSU is comprised of 23 campuses, including comprehensive and polytechnic universities and, since July 1995, the California State University Maritime Academy, a specialized campus.

The oldest campus-San José State University-was founded in 1857 and became the first institution of public higher education in California. The newest-California State University Channel Islands-opened in fall 2002, with freshmen arriving in fall 2003. And in 2022, the Humboldt campus became Cal Poly Humboldt, joining San Luis Obispo and Pomona as that state's third public polytechnical university.

In 1963, the CSU's Academic Senate was established to act as the official voice of CSU faculty in university wide matters. Also, the California State College Student Presidents Association- which was later renamed the California State Student Association (CSSA), was founded to represent each campus student association on issues affecting students.

Through its many decades of service, the CSU has continued to adapt to address societal changes, student needs and workforce trends. While the CSU's core mission has always focused on providing high-quality, affordable bachelor's and master's degree programs, over time the university has added a wide range of services and programs to support student success - from adding health centers and special programs for veterans to building student residential facilities to provide a comprehensive educational experience.

In 2010, in an effort to accommodate community college transfer students, the CSU, in concert with the California Community Colleges (CCC), launched the Associate Degree for Transfer (ADT), which guarantees CCC transfer students with an ADT admission to the CSU with junior status. The ADT has since proven to be the most effective path to a CSU for community college transfer students.

Always adapting to changes in technology and societal trends to support student learning and degree completion, the CSU launched CSU Fully Online, which enables CSU students to complete online courses at other CSU campuses, expanding enrollment opportunities and providing more educational opportunities for students who may prefer an online format to a traditional classroom setting.

The CSU marked a significant educational milestone when it broadened its degree offerings to include doctoral degrees. The CSU independently offers Doctor of Education (Ed.D.), Doctor of Physical Therapy (DPT), Doctor of Audiology (AuD) and Doctor of Nursing Practice (DNP) degree programs. Additionally, the CSU was recently authorized to offer the independent Doctor of Occupational Therapy (OTD). A limited number of other doctoral degrees are offered jointly with the University of California and private institutions in California.

The CSU strives to continually develop innovative programs, services and opportunities that will give students the tools they need to meet their full potential. In 2016, the university launched Graduation Initiative 2025, a bold plan to support students, increase the number of California's graduates earning high-quality degrees and eliminate achievement and equity gaps for all students. Through this initiative, the CSU is ensuring that all students have the opportunity to graduate according to their personal goals, positively impacting their lives, families and communities.

By providing an accessible, hands-on education that prepares graduates for career success, the CSU has created a network of alumni that is so extensive and renowned that it spans across the globe. With the

graduation of the Class of 2021, more than 4 million CSU alumni are making a difference in the lives of the people of California and the world.

## Average Support Cost Per Full-Time Equivalent Student and Sources of Funds

The total support cost per full-time equivalent student (FTES) includes the expenditures for current operations, including payments made to students in the form of financial aid, and all fully reimbursed programs contained in state appropriations. The average support cost is determined by dividing the total cost by the number of FTES. The total CSU 2021/22 budget amounts were \$4,228,282,000 from state General Fund (GF) appropriations, before a \$(4.4) million CalPERS retirement adjustment, \$2,509,668,000 from gross tuition revenue, and \$653,724,000 from other fee revenues for a total of \$7,391,674,000. The 2021/22 resident FTES target is 374,246 and the nonresident FTES based on past-year actual is 19,430 for a total of 393,676 FTES. The GF appropriation is applicable to resident students only whereas fee revenues are collected from resident and nonresident students. FTES is derived by dividing the total student credit units attempted by a fixed amount depending on academic level (e.g., 30 for a semester campus and 45 for a quarter campus, the figures that define a full-time undergraduate or post-baccalaureate student's academic load).

2021/22 State Appropriation (GF) <sup>1</sup>  
Amount: 4,228,282,000  
Average Cost per FTES: 11,298  
Percentage: 57.2%

<sup>1</sup> Represents state GF appropriation in the Budget Act of 2021/22. GF is divisible by resident students only (374,246 FTES)

2021/22 Gross Tuition Revenue <sup>2</sup>  
Amount: 2,509,668,000  
Average Cost per FTES: 6,374  
Percentage: 34%

Other Fees Revenue <sup>2</sup>  
Amount: 653,724,000  
Average Cost per FTES: 1,661  
Percentage: 8.8%

<sup>2</sup> Represents CSU Operating Fund, gross tuition and other fees revenue amounts submitted in campus August 2021/22 final budgets. Revenues are divisible by resident and nonresident students (393,676 FTES)

Total Support Cost  
Amount: 7,391,674,000  
Average Cost per FTES: 19,333  
Percentage: 100%

The 2021/22 average support cost per FTES based on GF appropriation and net tuition fee revenue only is \$17,672 and when including all three sources as indicated below is \$19,333, which includes all fee revenue (e.g. tuition fees, application fees, and other campus mandatory fees) in the CSU Operating Fund. Of this amount, the average net tuition and other fee revenue per FTES is \$8,035.

The average CSU 2021/22 academic year, resident, undergraduate student basic tuition and other mandatory fees required to apply to, enroll in, or attend the university is \$7,439 (\$5,742 tuition fee plus \$1,621 average campus-based fees). However, the costs paid by individual students will vary depending on campus, program, and whether a student is part-time, full-time, resident, or nonresident.

### Trustees of the CSU Ex Officio Trustees

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The Honorable Eleni Kounalakis, Lieutenant Governor of California  
The Honorable Anthony Rendon, Speaker of the Assembly

The Honorable Tony Thurmond, State Superintendent of Public Instruction  
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Steve Relyea, Treasurer

### Appointed Trustees

Appointments are for a term of eight years, except student, alumni, and faculty trustees, whose terms are for two years. Terms expire in the year in parentheses. Names are listed alphabetically.

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Correspondence with trustees should be sent to:  
c/o Trustees Secretariat, The California State University, 401 Golden Shore, Long Beach, CA 90802-4210

Office of the Chancellor  
The California State University  
401 Golden Shore, Long Beach, CA 90802-4210  
562-951-4000

Dr. Jolene Koester - Interim Chancellor  
Mr. Steve Relyea - Executive Vice Chancellor and Chief Financial Officer  
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### CSU Campuses

California State University, Bakersfield  
9001 Stockdale Highway  
Bakersfield, CA 93311-1022  
Lynnette Zelezny, President  
661-654-2782  
CSU Bakersfield website

California State University, Channel Islands  
One University Drive  
Camarillo, CA 93012  
Richard Yao, President  
805-437-8400

CSU Channel Islands website

California State University, Chico  
400 West First Street  
Chico, CA 95929  
Gayle E. Hutchinson, President  
530-898-4636  
Chico State website

California State University, Dominguez Hills  
1000 East Victoria Street  
Carson, CA 90747  
Thomas A. Parham, President  
310-243-3696

CSU Dominguez Hills website

California State University, East Bay  
25800 Carlos Bee Boulevard  
Hayward, CA 94542  
Cathy A. Sandeen, President  
510-885-3000  
Cal State East Bay website

California State University, Fresno  
5241 North Maple Avenue  
Fresno, CA 93740  
Saúl Jiménez-Sandoval, President  
559-278-4240

CSU Fresno website

California State University, Fullerton  
800 N. State College Boulevard  
Fullerton, CA 92831-3599  
Framroza Virjee, President  
657-278-2011  
Cal State Fullerton website

California Polytechnic State University, Humboldt  
1 Harpst Street  
Arcata, CA 95521-8299  
Tom Jackson, Jr., President  
707-826-3011  
Cal Poly Humboldt website

California State University, Long Beach  
1250 Bellflower Boulevard  
Long Beach, CA 90840-0115  
Jane Close Conoley, President  
562-985-4111  
Cal State Long Beach website

California State University, Los Angeles  
5151 State University Drive  
Los Angeles, CA 90032  
William A. Covino, President  
323-343-3000  
Cal State LA website

California State University Maritime Academy  
200 Maritime Academy Drive  
Vallejo, CA 94590  
Rear Admiral Thomas A. Cropper, President  
707-654-1000  
Cal Maritime website

California State University, Monterey Bay  
100 Campus Center  
Seaside, CA 93955-8001  
Eduardo M. Ochoa, President  
831-582-3000  
CSU Monterey Bay website

California State University, Northridge  
18111 Nordhoff Street  
Northridge, CA 91330  
Ericka D. Beck, President  
818-677-1200  
CSUN website

California State Polytechnic University, Pomona  
3801 W. Temple Avenue  
Pomona, CA 91768  
Soraya M. Coley, President  
909-869-7659  
Cal Poly Pomona website

California State University, Sacramento  
6000 J Street  
Sacramento, CA 95819  
Robert S. Nelsen, President  
916-278-6011  
Sacramento State website

California State University, San Bernardino  
5500 University Parkway  
San Bernardino, CA 92407-2318  
Tomás D. Morales, President  
909-537-5000  
Cal State San Bernardino website

San Diego State University  
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San Diego, CA 92182  
Adela de la Torre, President  
619-594-5200  
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San Francisco State University



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San José State University  
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California Polytechnic State University, San Luis Obispo  
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Jeffrey D. Armstrong, President  
805-756-1111  
Cal Poly, San Luis Obispo website

California State University, San Marcos  
333 South Twin Oaks Valley Road  
San Marcos, CA 92096-0001  
Ellen J. Neufeldt, President  
760-750-4000  
CSU San Marcos website

Sonoma State University  
1801 East Cotati Avenue  
Rohnert Park, CA 94928  
Judy K. Sakaki, President  
707-664-2880  
Sonoma State website

California State University, Stanislaus  
One University Circle  
Turlock, CA 95382  
Ellen N. Junn, President  
209-667-3122  
Stanislaus State website

## International Programs

Developing intercultural communication skills and international understanding among its students is a vital mission of the California State University (CSU). Since its inception in 1963, the CSU International Programs (CSU IP) has contributed to this effort by providing qualified students an affordable opportunity to continue their studies abroad for a full academic year in all programs and a semester option in some countries and programs.

More than 20,000 CSU students have taken advantage of this unique study option. Also, through the CSU IP exchange partnerships, more than 5000 international students have come to study at the CSU campuses.

International Programs participants earn resident academic credit at their CSU campuses while they pursue full-time study at a host university or study center abroad. CSU IP serves the needs of students in more than 100 designated academic majors. Affiliated with nearly 60 recognized universities and institutions of higher education in 18 countries, CSU IP also offers a wide selection of study abroad destinations and learning environments.

Australia: Griffith University, Macquarie University, Queensland University of Technology, University of Queensland, Western Sydney University

Canada: Concordia University

Chile: Pontificia Universidad Católica de Chile

China: Peking University (Beijing)

Denmark: Danish Institute for Study Abroad

France: Institut Catholique de Paris, Institut Supérieur d'Electronique de Paris, Université d'Aix-Marseille (Aix-en-Provence), Université de Cergy-Pontoise, Universités de Paris I, III, IV, VI, VII, VIII, X, XI, XII, XIII, Université Paris-Est Marne-la-Vallée, Université d'Evry Val d'Essonne, and Université de Versailles Saint-Quentin-en-Yvelines

Germany: University of Tübingen and a number of institutions of higher education in the Federal state of Baden-Württemberg

Ghana: University of Ghana

Israel: University of Haifa

Italy: CSU Florence Study Center, Accademia di Belle Arti Firenze

Japan: Waseda University, University of Tsukuba

Mexico: Instituto Tecnológico y de Estudios Superiores de Monterrey, Campus Querétaro

South Africa: Nelson Mandela University

South Korea: Yonsei University

Spain: Universidad Complutense de Madrid, Universidad de Granada, Universidad de Jaén

Sweden: Uppsala University

Taiwan: National Taiwan University

United Kingdom: University of Bradford, University of Bristol, University of Hull, Kingston University, Swansea University, University of Birmingham

Students participating in CSU IP pay CSU tuition and program fees, and are responsible for airfare, accommodations, meals and other personal expenses. Financial aid, with the exception of Federal Work-Study, is available to qualified students and limited scholarship opportunities are also available. All programs require students to maintain good academic and disciplinary standing, many programs are open to sophomores or graduate students. California Community College transfer students are eligible to apply (to select programs) directly from their community colleges. Students must possess a current cumulative grade point average of 2.75 or 3.0, depending on the program, and must fulfill all coursework prerequisites. Additional program information and application instructions can be found on the CSU International Programs webpage.

## Message from the President

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Cal Poly Humboldt is an amazing place with special people. It is a place filled with pride. It is a place filled with caring and motivated faculty, staff, and students. This special place will always be Humboldt because of this community. Still, I have this picture in my mind...a bold picture that shows us being this insanely amazing college of innovation. A place where ideas are freely shared and embraced. A place of innovation that leads us toward solving our world's challenges. I also see a college of service where all of us freely give of our time to our community. I see a campus where people from all over the planet come to learn by doing, because that is what we do at Humboldt. I see a place where we freely engage with our friends and colleagues in other nations: close and far. Lastly, I see a place that embodies what a sustainable campus is while reinventing higher education for the next generation.



President Tom Jackson, Jr.

## Accreditation

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Cal Poly Humboldt is accredited by WASC Senior College and University Commission (WSCUC)

In addition to institutional accreditation by WSCUC, many degree programs hold discipline-specific accreditation. Information regarding accreditation of these programs can be found at the associated departmental offices.

- American Chemical Society (ACS)
- California Commission on Teacher Credentialing
- Council on Social Work Education
- Engineering Accreditation Commission of ABET
- International Assembly Collegiate for Business Education (IACBE)
- National Association of Schools of Art & Design (NASAD)
- National Association of Schools of Music (NASM)
- Society of American Foresters

The Cal Poly Humboldt Children's Center and Child Development Lab are accredited by the National Academy of Early Childhood Programs-reporting to the National Association for the Education of Young Children (NAEYC)

Cal Poly Humboldt has been approved or designated by:

- California Board of Behavioral Sciences
- California State Board of Education
- Department of Veterans Affairs
- State Board of Forestry (BOF)
- Student & Exchange Visitor Information System (SEVIS)
- US Office of Personnel Management (OPM)

## Cal Poly Humboldt Student Learning Outcomes

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What Cal Poly Humboldt graduates should know and be able to do as a result of their Humboldt experience

### Cal Poly Humboldt graduates at the baccalaureate level will be able to:

- identify and evaluate systems of power and privilege and identify methods for creating diverse, inclusive, and racially just and equitable communities;
- explain how the functions of the natural world, society, and the economy depend on the resilience, sustainability, and conservation of ecological systems;
- locate, evaluate, and employ information effectively and ethically for a wide range of purposes;
- critically evaluate issues, ideas, artifacts, and evidence to guide their thinking;
- develop and express ideas effectively in writing;
- effectively communicate orally for informational, persuasive, and expressive purposes; and
- apply math concepts and skills to the interpretation and analysis of quantitative information in context.

See Cal Poly Humboldt Institutional Learning Outcomes in The Bachelor's Degree section of this catalog

### Cal Poly Humboldt graduates at the masters level will be able to:

- elucidate the major theories, research methods and approaches to inquiry and/or schools of practice in the student's field of study; articulate their sources and illustrate both their application and their relationships to allied fields
- disaggregate, adapt, reformulate and employ principal ideas, techniques or methods at the forefront of their field of study in the context of a written product or project
- provide adequate evidence (through papers, projects, notebooks, computer files or catalogues) of contributing to, expanding, assessing, and/or refining knowledge within their field of study
- create sustained, coherent arguments or explanations and reflections on their work or that of collaborators (if applicable), to both general and specialized audiences
- apply the ethical framework(s) appropriate to their field of study
- employ the tools, concepts, and methods appropriate to their inquiry in a project, paper or performance

# Admission Information

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## Admission Procedures & Policies

Requirements for admission to Cal Poly Humboldt are in accordance with Title 5, Chapter 1, Subchapter 3, of the California Code of Regulations. Complete information is available on the California State University website. All CSU applications must be submitted online on the Cal State Apply website. An acknowledgement will be sent to the applicant when the online application has been submitted. Contact the Cal Poly Humboldt Office of Admissions or California high school and community college counselors for more information.

### Importance of Filing Complete, Accurate, and Authentic Application Documents

Cal Poly Humboldt advises prospective students that they must supply complete and accurate information on the application for admission, residency questionnaire and financial aid forms. Further, applicants must, when requested, submit authentic and official transcripts of all previous academic work attempted. Failure to file complete, accurate and authentic application documents may result in denial of admission, cancellation of registration or academic credit, suspension or expulsion (Section 41301, Article 1.1, Title 5, California Code of Regulations).

### Undergraduate Application Procedures

Prospective students applying for part-time or full-time undergraduate programs of study must submit a completed undergraduate application. The \$70 nonrefundable application fee should be paid online at the time of application via credit card or PayPal and may not be transferred or used to apply to another term. An alternate major may be requested on the application if desired by the campus. The applications of persons denied admission to an impacted campus may be redirected to another campus at no cost, but only if the applicant is CSU eligible.

### Impacted Programs

The CSU designates programs as impacted when more applications from regularly eligible applicants are received in the initial filing period (October and November for fall terms, June for winter terms, August for spring terms, February for summer terms) than can be accommodated. Some programs are impacted at every campus which they are offered; others are impacted only at a few campuses. Candidates for admission must meet all of the campus' specified supplementary admission criteria if applying to an impacted program or campus.

The CSU will announce during the fall filing period those campuses or programs that are impacted. Detailed information on campus and program impaction is available on the Impaction at the CSU website.

Campuses will communicate supplementary admission criteria for all impacted programs to high schools and community colleges in their application service area and will disseminate this information to the public through appropriate media. This information will also be published on the Cal Poly Humboldt website at <https://humboldt.edu>.

Applicants must file applications for admission to an impacted program during the initial filing period. Applicants who wish to be considered for impacted programs at more than one campus should file an application at each campus for which they seek admission consideration.

### Supplementary Admission Criteria

Each campus with impacted programs or class-level admission categories uses supplementary admission criteria in screening applicants. Supplementary criteria may include rank-ordering of freshman applicants based on the CSU eligibility index or rank-ordering of transfer applicants based on verification of the Associate in Arts for Transfer (AA-T) or Associate in Science Transfer (AS-T) degrees, the overall transfer grade

point average (GPA), completion of specified prerequisite courses and a combination of campus-developed criteria. Applicants for freshman admission to impacted campuses or programs may need to have a higher "a-g" GPA. In no case will standardized test scores be utilized in making freshman admission decisions.

The supplementary admission criteria used by individual campuses to screen applicants are made available by the campuses to all applicants seeking admission to an impacted program.

## Graduate and Post-Baccalaureate Application Procedures

All graduate and post-baccalaureate applicants (i.e., doctorate, joint Ph.D. applicants, master's degree applicants, those seeking educational credentials or certificates and, where permitted, holders of baccalaureate degrees interested in taking courses for personal or professional growth) must file a complete graduate application as described in the graduate and post-baccalaureate admission materials on the Cal State Apply website. Applicants seeking a second bachelor's degree must submit the undergraduate application for admission. Applicants who completed undergraduate degree requirements in the preceding term are also required to complete and submit an application and the \$70 nonrefundable application fee. To be assured of initial consideration by more than one campus, it is necessary to submit separate applications (including fees) to each. All CSU applications must be submitted online via the Cal State Apply website. An acknowledgement will be sent to the applicant when the online application has been submitted.

## Application Filing Periods

(Not all campuses/programs are open for admission to every term.)

### Fall Semester or Quarter

Applications First Accepted: October 1  
Initial Filing Period: October 1 to November 30

### Winter Quarter

Applications First Accepted: June 1  
Initial Filing Period: June 1 to June 30

### Spring Semester or Quarter

Applications First Accepted: August 1  
Initial Filing Period: August 1 to August 31

### Summer Semester or Quarter

Applications First Accepted: February 1  
Initial Filing Period: February 1 to February 28

### Filing Period Duration

Each non-impacted campus accepts applications until capacities are reached. Many campuses limit undergraduate admission in an enrollment category due to overall enrollment limits. If applying after the initial filing period, consult the campus admission office for current information.

## Cal Poly Humboldt Application Deadlines

Apply to the university as early as possible:

- To be considered for admission (the deadline for applying may occur any time after the initial filing period - October 1 to November 30 for fall term; August for spring term);
- To be among the first considered for campus housing;
- For early notification about the application, allowing more time to plan a college career

The application period for Fall semester begins October 1 of the previous year. Humboldt may stop accepting applications in certain enrollment categories any time after November 30. The application period for Spring

semester begins on August 1. The university may stop accepting applications in certain enrollment categories any time after August 31. The Office of Admissions, 707-826-4402, can confirm deadlines and policies.

## Official Transcripts

Official transcripts are required from every institution an applicant has attended, even if the applicant completed no courses there.

- Applicants should ask their high school or college(s) to send a copy of their transcripts to Cal Poly Humboldt. Most colleges charge for this service. The issuing institution needs the applicant's full name (and maiden and/or former name), birth date, student or social security number, and the date the student last attended that school.
- Records must be official. A transcript or test score is not official unless sent directly from the high school, college, or testing agency to the Office of Admissions.
- For those enrolled in classes when applying, official transcripts must be sent after completion of coursework and final grades.

## Application Acknowledgement

On-time applicants may expect to receive an acknowledgment from the campuses to which they have applied within two to four weeks of filing the application. The notice may also include a request that applicants submit additional records necessary to evaluate academic qualifications. Applicants may be assured of admission if the evaluation of relevant qualifications indicates that applicants meet CSU admission requirements, and in the case of admission impactation, supplemental criteria for admission to an impacted program. Unless specific written approval/confirmation is received, an offer of admission is not transferable to another term or to another campus.

Applicants also receive information on eligibility requirements and on-campus housing.

Once Humboldt receives all necessary transcripts and other documents, an applicant's file is considered complete. Completed files are evaluated on a "rolling" basis in the order in which they were completed. All applicants are notified by email of Humboldt's admission decision.

Admitted applicants are sent an email of admission and information about Cal Poly Humboldt's orientation programs. All new freshman and transfer students register through our orientation programs, which are mandatory and designed to acquaint new students and their families with the university and community.

## Hardship Petitions

The campus has established procedures for consideration of qualified applicants who would be faced with extreme hardship if not admitted. Petitioners should write the campus Admission Office regarding specific policies governing hardship admission. Information regarding the appeal policy for admissions denial may be found on the Office of Admissions website.

Some graduate admission categories remain open later than others. However, no applications will be accepted later than one month prior to the beginning of the term. Contact the Office of Admissions-Graduate at 707-826-6250, or the individual program office.

## Undergraduate Admission Requirements

### Freshman Requirements

Generally, applicants will qualify for consideration for first-time freshman admission if they meet the following requirements:

1. Have graduated from high school, have earned a Certificate of General Education Development (GED) or have passed the California High School Proficiency Examination (CHSPE);
2. Complete the 15-unit comprehensive "a-g" pattern of college preparatory courses;
3. Have completed, with grades of C- or better, each of the courses in the comprehensive pattern of college preparatory subject requirements also known as the "a-g" pattern (see "Subject Requirements"); and
  - a. The CSU will accept "Credit" or "Pass" grades to satisfy "a-g" requirements completed during Winter, Spring, Summer or Fall 2020 terms and during Winter, Spring or Summer 2021 terms. The CSU expects and assumes that high school Pass (Credit) grades will represent work completed at the C- or higher level. Beginning Fall 2021 and forward, grades are expected for courses.
4. Earn a qualifying "a-g" grade point average (GPA) as described below.
  - a. California residents and graduates of California high schools will be eligible for admission by earning a 2.50 or greater "a-g" GPA.
  - b. Any California high school graduate or resident of California earning a GPA between 2.00 and 2.49 may be evaluated for admission based upon supplemental factors such as number of courses exceeding minimum "a-g" requirements, household income, extracurricular involvement, and other available information that would inform the campus admission decision.
  - c. Non-California residents may be eligible for admission to the CSU by earning a 3.00 or greater "a-g" GPA along with other supplemental factors utilized by the individual campus, including those outlined by impacted campuses and programs.
  - d. Any Non-California resident earning a GPA between 2.47 and 2.99 may be evaluated for admission based upon supplemental factors such as number of courses exceeding minimum "a-g" requirements, household income, extracurricular involvement, and other available information that would inform the campus admission decision.
5. Each CSU campus will determine the supplemental factors used with GPA to determine eligibility in these cases and communicate these criteria publicly for prospective students.

The California State University (CSU) has permanently discontinued the use of ACT/SAT examinations in determining admission eligibility. Submitted test scores by admitted students would be considered only for purposes of student placement in Math or English courses.

Applicants who cannot meet admission requirements may wish to enroll at a community college to prepare for admission to Humboldt at a later date as an upper division transfer. See "Special Admission". For questions regarding individual situations, make an appointment with an admissions counselor, call 707-826-4402.

### Provisional Admission

Cal Poly Humboldt may provisionally admit first-time freshman applicants based on their academic preparation through the junior year of high school and planned coursework for the senior year. The campus will monitor the final terms of study to ensure that admitted students complete their secondary school studies satisfactorily, including the required college preparatory subjects, and graduate from high school. Students are required to submit an official transcript after graduation to certify that all coursework has been satisfactorily completed. Official high school transcripts must be received prior to the deadline set by the university. In no case may documentation of high school graduation be received any later than the census date for a student's first term of CSU enrollment. A

campus may rescind admission decisions, cancel financial aid awards, withdraw housing contracts and cancel any university registration for students who are found to be ineligible after the final transcript has been evaluated.

Applicants will qualify for regular (non-provisional) admission when the university verifies that they have graduated and received a high school diploma, have completed the comprehensive pattern of college preparatory "a-g" subjects and, if applying to an impacted program or campus, have met all supplementary criteria.

Subject requirements - The CSU requires that first-time freshman applicants complete, with grades of C- or better, a comprehensive pattern of college preparatory study totaling 15 units. A "unit" is one year of study in high school.

Subject Requirements - The CSU requires that first-time freshman applicants complete, with grades of C- or better, a comprehensive pattern of college preparatory study totaling 15 units. A "unit" is one year of study in high school.

- 2 years of social science, including 1 year of U.S. history, or U.S. history and government
- 4 years of English
- 3 years of math (algebra, geometry and intermediate algebra; 4 years recommended)
- 2 years of laboratory science (1 biological & 1 physical, both must have laboratory instruction)
- 2 years in the same foreign language (subject to waiver for applicants demonstrating equivalent competence)
- 1 year of visual and performing arts: art, dance, drama/theater, or music
- 1 year of electives: selected from English, advanced mathematics, social science, history, laboratory science, foreign language, visual and performing arts or other courses approved and included on the UC/CSU "a-g" list.

## The California Promise

The California Promise Program enables a specific number of CSU campuses to establish pledge programs for entering first-time students who are both interested and able to complete baccalaureate degrees in 4-years. All campuses have established programs for students with Associate Degrees for Transfer from any California Community College to complete their baccalaureate degrees in 2-years. The program is limited to students who are residents of California.

Students who commit to enter either the 4-year or 2-year pledge will be given a priority registration appointment for each state-supported enrollment period and will be provided with routine and thorough academic advisement. In order to remain in the program, students must meet with their advisors as prescribed, develop an enrollment plan and complete 30 semester units or the quarter equivalent within each academic year, including summer. Participating campuses may stipulate other requirements as well. Interested students entering the CSU should contact campus offices or visit the California Promise Program website.

## High School Students

High school students may be considered for enrollment in certain special programs if recommended by the principal and the appropriate campus department chair and if preparation is equivalent to that required of eligible California high school graduates. Such admission is only for a given specific program and does not constitute a right to continued enrollment.

## Subject Requirements for Students with Disabilities

Cal Poly Humboldt encourages applicants with disabilities to complete college preparatory course requirements if possible. Those unable to fulfill specific course requirements because of disabilities may be able to substitute alternative college preparatory courses.

Substitutions are authorized on an individual basis after review and recommendation by the applicant's academic advisor or guidance counselor in consultation with the director of the Student Disability Resource Center, and subject to approval by the Office of Admissions.

Although the distribution may be slightly different from the course pattern required of other students, those students qualifying for substitutions still will be held for 15 units of college preparatory study.

Course substitutions may limit later enrollment in certain majors, particularly those involving mathematics. For information or substitution forms, contact the Student Disability Resource Center at 707-826-4678 (voice) or 707-826-5392 (TDD).

## Transfer Policies of CSU Campuses

Most commonly, college-level credits earned from an institution of higher education accredited by a regional accrediting agency are accepted for transfer to campuses of the CSU; however, authority for decisions regarding the transfer of undergraduate credits is delegated to each CSU campus.

California Community Colleges and other authorized certifying institutions can certify up to 39 semester (58.5 quarter) units of General Education-Breadth (GE-Breadth) or 37 semester (55.5 quarter) units of the Intersegmental General Education Transfer Curriculum (IGETC) for transfer students to fulfill lower-division general education requirements for any CSU campus prior to transfer.

"Certification" is the official notification from a California Community College or authorized institution that a transfer student has completed courses fulfilling lower-division general education requirements. The CSU GE-Breadth and the Intersegmental General Education Transfer Curriculum (IGETC) certification course lists for particular community colleges can be accessed on the official transfer and articulation system for California's public colleges and universities website [assist.org](http://assist.org).

CSU campuses may enter into course-to-course or program-to-program articulation agreements with other CSU campuses, any or all of the California community colleges and other regionally accredited institutions. Established CSU and CCC articulations may be found on [assist.org](http://assist.org). Students may be permitted to transfer no more than 70 semester (105 quarter) units to a CSU campus from an institution which does not offer bachelor's degrees or their equivalents, for example, community colleges. Given the university's 30-semester (45-quarter) unit residency requirement, no more than a total of 90 semester (135 quarter) units may be transferred into the university from all sources.

## Transfer Requirements

Applicants who have completed fewer than 60 transferable semester college units (fewer than 90 quarter units) are considered lower-division transfer students. Applicants who have completed 60 or more transferable semester college units (90 or more quarter units) are considered upper-division transfer students. Applicants who complete college units during high school or through the summer immediately following high school graduation are considered first-time freshmen and must meet the CSU minimum eligibility requirements for first-time freshman admission. Transferable courses are those designated for baccalaureate credit by the college or university offering the courses and accepted as such by the campus to which the applicant seeks admission.

## Lower Division Transfer Requirements

Due to increased enrollment demands, most CSU campuses do not admit lower-division transfer applicants. Students are advised to check the respective campus they are interested in to see if lower division transfer applications are accepted.

An applicant who completes fewer than 60 semester (90 quarter) units of college credit is considered a lower-division transfer student. Due to enrollment pressures, most CSU campuses do not admit lower-division transfers so that more upper-division transfers can be accommodated.

Having fewer than 60 semester (90 quarter) units at the point of transfer may affect eligibility for registration priority at CSU campuses and may affect the student's financial aid status.

California resident transfer applicants with fewer than 60 semester or 90 quarter units must:

- Have a cumulative grade point average of 2.0 (C) or better in all transferable units attempted;
- Have completed, with a grade of C- or better, a course in written communication and a course in mathematics or quantitative reasoning at a level satisfying CSU General Education Breadth Area A2 and B4 requirements, respectively;
- Be in good standing at the last institution attended; and
- Meet any one of the following eligibility standards.

## Transfer Based on Current Admission Criteria

The applicant meets the freshman admission requirements in effect for the term for which the application is filed; - OR

## Transfer Based on High School Eligibility

The applicant was eligible as a freshman at the time of high school graduation and has been in continuous attendance in an accredited college since high school graduation; - OR -

## Transfer Based on Making Up Missing Subjects

The applicant had a qualifiable eligibility index at the time of high school graduation (combination of GPA and test scores if needed), has made up any missing college preparatory subject requirements with a grade of C- or better, and has been in continuous attendance in an accredited college since high school graduation.

One baccalaureate-level course of at least 3 semester (4 quarter) units is usually considered equivalent to one year of high school study.

(Note: Some campuses may require lower-division transfer students to complete specific college coursework, for example the four basic skill courses, as part of their admission criteria.)

## Upper Division Transfer Requirements

Generally, applicants will qualify for consideration for upper-division transfer admission if they meet all of the following requirements:

1. Cumulative grade point average of at least 2.0 in all transferable units attempted;
2. In good standing at the last college or university attended; and
3. Completed at least 60 transferable semester (90 quarter) units of college level coursework with a grade point average of 2.0 or higher and a grade C- or better in each course used to meet the CSU general education requirements in written communication, oral communication, critical thinking, and quantitative reasoning, e.g. mathematics.

The 60 units must include at least 30 units of courses that meet CSU general education requirements, including all of the general education requirements in communication in the English language (both oral and written) and critical thinking and the requirement in mathematics/quantitative reasoning (usually 3 semester units) OR the Intersegmental General Education Transfer Curriculum (IGETC)

requirements in English communication and mathematical concepts and quantitative reasoning.

## Associate Degrees for Transfer

### (AA-T or AS-T)

The Associate in Arts for Transfer (AA-T) and the Associate in Science for Transfer (AS-T) degrees offered at the California Community Colleges (CCC) are designed to provide a California community college student the optimum transfer preparation and a clear admission pathway to the CSU degree majors.

CCC students who earn an Associate Degree for Transfer (AA-T or AS-T) are guaranteed admission with junior standing to a CSU and given priority admission consideration over other transfer applicants when applying to a local CSU campus or non-impacted CSU program. AA-T or AS-T admission applicants are given limited priority consideration based on their eligibility ranking to an impacted campus/program or to campuses/programs that have been deemed similar to the degree completed at the community college. Students who have completed an AA-T/AS-T in a program deemed similar to a CSU major are able to complete remaining requirements for graduation within 60 semester (90 quarter) units. It is the responsibility of the student who has earned an AA-T/AS-T to provide documentation of the degree to the CSU campus. For the admissions process, students are responsible for working with their community college counselors to complete verification of AA-T or AS-T degree progress through the e-Verify process within the established campus deadlines.

## Transfer Provisional Admission

Cal Poly Humboldt may provisionally or conditionally admit transfer applicants based on their academic preparation and courses planned for completion. The campus will monitor the final terms to ensure that those admitted complete all required courses satisfactorily. All accepted applicants are required to submit an official transcript of all college-level work completed. Campuses may rescind admission for any student who is found to be ineligible after the final transcript has been evaluated. In no case may such documents be received and validated by the university any later than a student's registration for their second term of CSU enrollment.

## English Language Requirement

All undergraduate applicants whose native language is not English and who have not attended schools at the secondary level or above for at least three years full time where English is the principal language of instruction must present a score of 71-internet (IBT), 525-written (PBT), 197-computer (CBT) or above on the Test of English as a Foreign Language (TOEFL). Some majors may require a higher score than the campus minimum. A few campuses may also use alternative methods of assessing English fluency: Pearson Test of English Academic (PTE Academic), the International English Language Testing System (IELTS) and the International Test of English Proficiency (ITEP). Each campus will post the tests it accepts on its website and will notify students after they apply about the tests it accepts and when to submit scores. CSU minimum TOEFL standards are:

Undergraduate: 61 (Internet), 500 (Paper)

Graduate: 80 (Internet), 550 (Paper)

## Placement Measures for First-Year GE Written Communication and Mathematics/Quantitative Reasoning Courses

Freshman skills assessment and placement for general education written communication and mathematics/quantitative reasoning shall be based

on systemwide skills assessment standards that include the Early Assessment Program/ Smarter Balanced Achievement Levels, ACT scores and/or SAT scores, high school coursework, high school GPA and math GPA.

Skills assessments are not a condition for admission to the CSU; they are a condition of enrollment.

These skills assessments are designed to inform entering freshmen of placement in appropriate baccalaureate-level courses based on their skills and needs.

First-time freshmen in need of support as determined by the skills assessment will be placed in supported instruction. Supported instruction is designed to assist students in credit bearing courses. Students may also be required to participate in the Early Start Program.

The Early Start Program gives students the opportunity to earn college credit in written communication and mathematics/ quantitative reasoning the summer before their first term.

### **Assessments and Placement for GE Written Communications Has Fulfilled the GE Subarea A2 English Requirement**

The student has met the requirement via completion of one of the following:

#### **Advanced Placement (AP) Test**

- 3 or above (AP Language & Composition)
- 3 or above (AP Composition & Literature)

#### **College Transfer Coursework**

- Completed approved college course that satisfies CSU GE Area A2 (written communication) with a grade of C- or better.

### **Placement in a GE Subarea A2: English Course**

The student has met examination standards and/or multiple measures-informed standards via one of the criteria below:

English CAASPP/EAP Test

- Standard Exceeded
- Standard Met and completed 12th grade approved year-long English course (CSU ERWC, AP, Weighted Honors English) with grade of C- or better

SAT Evidence-Based Reading and Writing Test

- 550 or above,
- 510 - 540 and completed 12th grade approved year-long English course (CSU ERWC, AP, Weighted Honors English) with grade of C- or better English

ACT Test

- 22 or higher
- 19-21 and completed 12th grade approved year-long English course (CSU ERWC, AP, Weighted Honors English) with grade of C- or better

High School Courses and GPA

- Weighted GPA 3.3 or above
- GPA 3.0 or above and completed approved 12 grade year-long English course (AP, CSU ERWC, Weighted Honors English)
- GPA 3.0 or above and completed Honors English
- GPA 3.0 or above and 5 or more years of high school English

### **Placement in a Supported GE Subarea A2 English Course**

The student has met examination standards and/ or multiple measures-informed standards via one of the criteria below:

SAT Evidence-Based Reading and Writing Test

- 510 - 540 and 4 or more years of high school English
- ACT Test

- 19-21 and 4 or more years of high school English
- High School Courses and GPA

- Weighted GPA 3.0 or above and 4 or more years of high school English

### **Placement in a Supported GE Subarea A2: English Course and Participation in the Early Start Program Required**

Based on multiple measures evaluation, student needs additional academic support including participation in the Early Start Program. Learn more on the Early Start Program website.

### **Assessments & Placement for GE Mathematics/Quantitative Reasoning: Non-Math Intensive Majors (Algebra and Statistics Disciplines, Non-STEM and Undecided Majors)**

### **Has Fulfilled the GE Area B: Math/Quantitative Reasoning Requirement**

The student has met the requirement via completion of one of the following:

Advanced Placement (AP) Test:

- 3 or above on Calculus AB
- 3 or above on Calculus BC
- 3 or above on Statistics
- 3 or above on Computer Science Principles

International Baccalaureate (IB) Test:

- 4 or above on Math Higher Level (HL)

College Level Examination Program (CLEP)

- 50 or above on: Calculus, College Algebra, College Algebra-Trigonometry, Pre-Calculus or Trigonometry

College Transfer Coursework:

- Completed math/quantitative reasoning college course with a C- or better that satisfies CSU GE Area B: Mathematics/Quantitative Reasoning

### **Placement in a GE Area B4 Math/Quantitative Reasoning Course**

The student has met examination standards and/or multiple measures-informed standards via one of the following criteria:

CAASPP/EAP Math Exam:

- Standard Exceeded
- Standard Met and completed 12th grade approved year-long math course beyond Algebra 2 with a C- or better
- Standard Met and 4 or more years of high school math or quantitative reasoning

SAT Math Test:

- 570 or above
- 520 - 560 and completed 12th grade approved year-long math course beyond Algebra 2 with a C- or better

ACT Math Test:

- 23 or above
- 20-22 and completed 12th grade approved year-long math course beyond Algebra 2 with a C- or better

High School Courses and GPA:

- Weighted math GPA 3.0 or above and completed 12th grade approved year-long math course beyond Algebra 2 with a C- or better
- Weighted math GPA 3.0 or above and 5 or more years of high school math or quantitative reasoning
- Weighted high school GPA 3.7 or above
- Weighted high school GPA 3.5 or above and 4 or more years of high school math or quantitative reasoning

### **Placement in a Supported GE Area B4 Math/Quantitative Reasoning Course**

The student has met examination standards and/or multiple measures-informed standards via one of the criteria below:

High School GPA:

- Weighted math GPA 3.3 or above
- Weighted high school GPA 3.0 or above

### **Placement in a Supported GE Area B4 Math/Quantitative Reasoning Course and Participation in the Early Start Program Required**

Based on multiple measures evaluation, student needs additional academic support including participation in the Early Start Program. Learn about the Early Start Program.

### **Assessments & Placement for GE B4 Mathematics/Quantitative Reasoning: Math Intensive Majors (Pre-STEM/STEM and Other Math-Intensive Majors)**

### **Has Fulfilled the GE Area B: Math/Quantitative Reasoning Requirement**

The student has met the requirement via completion of one of the following:

Advanced Placement (AP) Test:

- 3 or above on AP Calculus AB
- 3 or above on AP Calculus BC
- 3 or above on AP Statistics
- 3 or above on AP Computer Science Principles

International Baccalaureate (IB) Test:

- 4 or above on Math Higher Level (HL)

College Level Examination Program (CLEP):

- 50 or above on: Calculus, College Algebra, College Algebra-Trigonometry, Pre-Calculus or Trigonometry

College Transfer Coursework:

- Completed math/quantitative reasoning college course with a C- or better that satisfies CSU GE Area B: Mathematics

### **Placement in a GE Area B4 Math/Quantitative Reasoning Course**

The student has met examination standards and/or multiple measures-informed standards via one of the criteria below:

CAASPP/EAP Math Exam:

- Standard Exceeded
- Standard Met and completed 12th grade approved year-long math course beyond Algebra 2 with a C- or better

SAT Math Test:

- 570 or above
- 520 - 560 and completed 12th grade approved year-long math course beyond Algebra 2 with a C- or better

ACT Math Test:

- 23 or above
- 20-22 and completed 12th grade approved year-long math course beyond Algebra 2 with a C- or better

High School Courses and GPA:

- Weighted math GPA 3.5 or above and completed 12th grade approved yearlong math course beyond Algebra 2 with a grade of C- or better
- Weighted math GPA 3.5 or above and 5 or more years of high school math or quantitative reasoning
- Weighted high school GPA 3.7 or above

### **Placement in a Supported GE Area B4 Math/Quantitative Reasoning Course**

The student has met examination standards and/or multiple measures-informed standards via the criteria below:

High School Math GPA:

- Weighted math GPA 3.3 or above

### **Placement in a Supported GE Area B: Math/ Quantitative Reasoning Course and Participation in the Early Start Program Required**

Based on multiple measures evaluation, student needs additional academic support including participation in the Early Start Program. Learn about the Early Start Program.

## **Early Start Program**

The goal of the Early Start Program (ESP) is to:

- Better prepare students in written composition and mathematics/quantitative reasoning before the fall term of freshman year, improving students' chances of successful completion of a baccalaureate degree.
- If required to participate in ESP, as determined by multiple measures, students will begin in the summer before the start of the freshman year.
- For general information about ESP including fees and course listings, visit the Early Start Program website. Students are encouraged to visit the campus website for ESP information once admitted.
- Eligible financial aid applicants with an Estimated Family Contribution (EFC) of \$5,000 or less will be eligible for waiver of the per unit ESP fee. For more information on assessments, placements and the Early Start Program, please visit the CSU Student Success website.

## **Special Admission**



## Appeal of Admission Decision

Section 89030.7 of the California Education Code requires that the CSU establishes specific requirements for appeal procedures for a denial of admission. Each CSU campus must publish appeal procedures for applicants denied admission to the university. The procedure is limited to addressing campus decisions to deny an applicant admission to the university.

Admission appeal procedures must address the basis for appeals, provide 15 business days for an applicant to submit an appeal, stipulate a maximum of one appeal per academic term, provide specific contact information for the individual or office to which the appeal should be submitted and indicate a time estimate for when the campus expects to respond to an appeal. The appeal procedures must be included in all denial of admission notifications to students, and must also be published on the campus website.

Applicants who are denied admission to Humboldt can appeal the decision. For information, see the appeal policy on the Office of Admissions website.

## Graduate and Post-Baccalaureate Admission Requirements

Graduate and post-baccalaureate applicants may apply for a degree objective, a credential or certificate objective, or where approved, may have no program objective. Depending on the objective, the CSU will consider an application for admission as follows:

### General Requirements

The minimum requirements for admission to graduate and post baccalaureate studies at a CSU campus are in accordance with university regulations as well as Title 5, Chapter 1, Subchapter 3 of the California Code of Regulations.

Specifically, a student shall at the time of enrollment: (1) have completed a four-year college course of study and hold an acceptable baccalaureate degree from an institution accredited by a regional accrediting association, or shall have completed equivalent academic preparation as determined by appropriate campus authorities; (2) be in good academic standing at the last college or university attended; (3) have earned a grade point average of at least 2.5 on the last degree completed by the candidate or have attained a grade point average of at least 2.5 (A=4.0) in the last 60 semester (90 quarter) units attempted; and (4) satisfactorily meet the professional, personal, scholastic, and other standards for graduate study, including qualifying examinations, as appropriate campus authorities may prescribe. In unusual circumstances, a campus may make exceptions to these criteria.

Students who meet the minimum requirements for graduate and post-baccalaureate studies may be considered for admission in one of the four following categories:

- Graduate Classified - To pursue a graduate degree, applicants are required to fulfill all of the professional, personal, scholastic, and other standards, including qualifying examinations, prescribed by the campus; or
- Graduate Conditionally Classified - Applicants may be admitted to a graduate degree program in this category if, in the opinion of appropriate campus authority, deficiencies may be remedied by additional preparation; or
- Post-Baccalaureate Classified (e.g. admission to an education credential program) - Persons wishing to enroll in a credential or certificate program will be required to satisfy additional professional, personal, scholastic, and other standards, including qualifying examinations, prescribed by the campus; or

- Post-Baccalaureate Unclassified - To enroll in undergraduate courses as preparation for advanced degree programs or to enroll in graduate courses for professional or personal growth, applicants must be admitted as post-baccalaureate unclassified students. By meeting the general requirements, applicants are eligible for admission as post-baccalaureate unclassified students. Admission in this status does not constitute admission to, or assurance of consideration for admission to, any graduate degree or credential program. (Most CSU campuses do not offer admission to unclassified post-baccalaureate students).

(These and other CSU admission requirements are subject to change as policies are revised and laws are amended. The CSU website and the CSU admission portal are good sources for the most up-to-date information.)

## Graduate-Post-Baccalaureate English Language Requirement

All graduate and post-baccalaureate applicants, regardless of citizenship, whose native language is not English and whose preparatory education was principally in a language other than English must demonstrate competence in English. Those who do not possess a bachelor's degree from a post-secondary institution where English is the principal language of instruction must receive a minimum score of 550 written /80 internet-based on the Test of English as a Foreign Language (TOEFL). Some programs require a higher score. Several CSU campuses may use alternative methods for assessing fluency in English including Pearson Test of English Academic (PTE Academic), the International English Language Testing System (IELTS) and the International Test of English Proficiency (ITEP).

Other requirements as defined by specific programs. For example, some programs require a higher GPA for admission.

## Returning Students

Returning students are students who previously attended Cal Poly Humboldt and wish to return to complete their undergraduate degree after an absence of two or more semesters. Students who were admitted but did not attend that first semester are not considered returning students.

Students who enrolled at another institution during their absence from Cal Poly Humboldt are required to submit official transcripts from all institutions attended. See the Office of Admissions website - Sending Transcripts to Humboldt.

There are three categories of returning students.

### Returning - Absent 2 Years or Less

Undergraduate students, as well as post-baccalaureate students who are pursuing a second bachelor's degree, who meet eligibility requirements may request to return to Cal Poly Humboldt without reapplying to the university. Students who have completed at least one semester at Cal Poly Humboldt, were absent for no more than four semesters (two years or less); and were in good academic standing or on probation when they last attended Cal Poly Humboldt are eligible. For instructions see Admissions - Returning to Humboldt webpage or contact the Office of the Registrar.

### Returning - Absent More than 2 Years

Undergraduate students who wish to return to Cal Poly Humboldt after an absence of more than 2 years must reapply for admission through CalState Apply during the application periods. Applications are open from August 1 to September 30 for the Spring semester and from October 1 to February 28 for the Fall semester. For instructions see Admissions - Returning to Humboldt webpage.

Students who have earned over 90 semester units, must reapply to the same major they previously pursued at Cal Poly Humboldt. Students who wish to apply to an impacted major must meet the additional eligibility

criteria or select an undeclared major and complete the appropriate courses. The student may petition the department to change majors when the eligibility criteria are met.

## Returning Admission Requirements

To be considered for readmission, a student must have a minimum cumulative GPA of 2.00 in any college coursework taken during the absence from Cal Poly Humboldt (if any) and be in good standing at the last institution attended if other than Humboldt.

## Returning After Disqualification

Students who are returning after being academically disqualified, must reapply and petition for reinstatement to the university. More information is available under Disqualification.

## International (Foreign) Student Admission Requirements

The CSU must assess the academic preparation of foreign students. For this purpose, "foreign students" include those who hold U.S. temporary visas as students, exchange visitors, or in other non-immigrant classifications. The CSU uses separate requirements and application filing dates in the admission of "foreign students". Verification of English proficiency (see the section on the English Language Requirement for undergraduate applicants), financial resources, and academic performance are each important considerations for admission.

Academic records from foreign institutions, if not in English, must be accompanied by certified English translations, and must be on file by the following deadlines:

### Application Deadlines

(subject to change):

### Undergraduates/Second Bachelor applicants:

Fall terms: May 1

Spring terms: October 1

### Graduate applicants:

Fall terms: February 1

Spring terms: Refer to program website

## International Admission Procedure

Apply online on the Cal State Apply website. A non-refundable application fee of U.S. \$70 is payable with online application. Submit the following application materials:

1. Certification of Financial Support
2. Official transcripts of academic records
3. Proof of English proficiency
4. Photocopy of passport.
5. Student Consent for Release of Information Email or mail your application materials to:  
international@humboldt.edu  
Cal Poly Humboldt  
Center for International Programs, 1 Harpst Street, Arcata,  
CA 95521-8299, USA.

Forms and additional information are available on the International Programs website. Academic credentials will be evaluated only after receipt of all your application materials.

## English Language Proficiency

All undergraduate applicants whose native language is not English and who have not attended schools at the secondary level or above for at least three years full-time where English is the principal language of instruction must present a minimum score of 525 written/71 internet-

based on the Test of English as a Foreign Language (TOEFL) or a minimum score of 6.0 of the International English Language Testing System (IELTS) test. Graduate applicants are required to have a minimum score of 550 written /80 internet-based on the TOEFL, or a minimum score of 6.5 on the IELTS test. Scores from either exam that are more than two years old are not accepted. A waiver of the TOEFL/IELTS may be granted on an individual basis for students who present a minimum grade of 'C' or higher from a Community College or University general education English composition course, or for applicants who have graduated from an accredited four-year US high school and have completed three years of English college preparation coursework with grades of 'B' or higher. See English Language Proficiency, on the International Programs website for additional ways to meet the English language requirement for admission to Cal Poly Humboldt.

## Estimated Expenses for International Students

Undergraduate international students are required to pay nonresident tuition of \$396 per unit in addition to registration fees. All MBA students, international and American, must also pay a Professional Program Fee of \$270 per unit (\$666 total per unit for international students). International students must be enrolled full-time (12 units per semester for undergraduates; 9 units per semester for graduates).

Additionally, there are expenses for books and other school supplies, medical insurance, housing, food, and miscellaneous expenses. Please note you are required to prove your ability to provide the mandatory amount. Refer to the Cost Estimates for Academic Study on the International Programs website for more information.

All fees are subject to change upon approval by the California State University Board of Trustees, the Chancellor, or campus President.

## Certification of Financial Support

All international students must submit evidence of financial ability to meet minimum costs at Cal Poly Humboldt before admission can be granted and an I-20 or DS2019 issued.

You will be asked to provide a Certification of Financial Support reflecting sufficient financial resources to meet your educational and living expenses while at Cal Poly Humboldt. The Certification must be signed by you and, if appropriate, your sponsor.

A limited number of Graduate Assistantships and/or tuition waivers may be available through some graduate departments. Please consult with your specific graduate department for additional details.

## Official Transcripts and Translations

International applicants must provide official transcripts from all institutions attended. Official transcripts are those sent in sealed envelopes directly from the issuing institution directly to the Center for International Programs to the attention of the International Admissions Coordinator. Copies of transcripts sent by applicants or any other source will be considered unofficial and will not be accepted.

Transcripts in a language other than English must be accompanied by an official English translation. The translations must also be sent in a sealed envelope directly from the issuing institution translator directly to Cal Poly Humboldt.

All transcripts should reflect a detailed statement of the courses completed, the amount of time spent on each course, the grade earned, and an explanation of the grading system used. Any degree, certificate, or diploma awarded should be clearly indicated and included if possible.

For students from countries where schools issue only one original record to the student for all future use, you must submit copies of all required documents, each of which must have been compared with and certified as a true copy of the original document by an appropriate school or government official. You will be required to present the original document for verification to the International Admissions Coordinator prior to registration.

# Eligibility Requirements for International Students

## Applicants for Bachelor's Degrees

First-time freshmen are required to have, at a minimum, the equivalent to graduation from secondary school in their native country (GCE with 5 'O' levels and 2 'A' levels, Maturity Certificates, Abitur, etc.) which gives access to university study in their home country or graduation from a US high school. All applicants must possess an overall minimum 2.5 grade point average that will be calculated by the Center for International Programs. Applicants are required to submit one official transcript with the diploma/graduation certificate (if appropriate).

Lower-division transfer applicants (those students applying with less than 60 semester/ 90 quarter transferable units) must submit an official high school transcript with diploma/graduation certificate (if appropriate) showing the equivalent of high school graduation with a minimum grade point average of 2.5 and official transcripts from all accredited colleges and/or universities attended with a minimum grade point average of 2.0 or higher on all transferable work.

Upper-division transfer applicants must submit official transcripts from all accredited colleges and/or universities attended with a minimum overall grade point average of 2.0 on at least 60 semester/90 quarter transferable units. In addition, applicants are expected to have completed a minimum of 30 units in general education, to include English composition, speech communication, critical thinking, and mathematics/quantitative reasoning with grades of C- or higher. Applicants who have completed coursework outside the US will be evaluated on an individual basis, and may also be asked to present secondary school records.

Second bachelor's applicants must submit official transcripts from all accredited colleges and/or universities attended with a minimum grade point average of 2.0 on the last 60 semester/90 quarter units attempted and hold a valid bachelor's and/or master's degree or equivalent.

## Applicants for Master's Degrees

An international applicant may be admitted to a campus as an unclassified post-baccalaureate student if the applicant satisfies the requirements of each of the three following subdivisions:

The applicant has satisfied any one of the following three numbered conditions:

1. The applicant has attained a grade point average of at least 2.5 in an acceptable earned baccalaureate degree,
2. The applicant has attained a grade point average of at least 2.5 in the last 60 semester units (90 quarter units) attempted;
3. The applicant holds an acceptable post-baccalaureate degree earned at an institution accredited by a regional accrediting association;
4. And the applicant was in good standing at the last institution of higher education attended.

Applicants to master's programs are required to submit official transcripts from all accredited institutions attended. Master's applicants are advised to contact their specific graduate department directly for additional requirements, documents, and application deadlines (for instance, applicants to some master's program must submit official GRE test results, and nearly all departments require a statement of objectives and three letters of recommendation). Master's applicants must satisfy admission requirements from both the major department and the Center for International Programs.

Medical Insurance. Health care in the United States can be very costly. The California State University system requires that all non-immigrant students obtain and maintain insurance coverage for health, medical evacuation, and repatriation prior to their enrollment at a CSU campus.

Contact Information:

Cal Poly Humboldt  
Center for International Programs  
1 Harpst Street  
Arcata, CA 95521-8299 USA

Telephone: 1-707-826-4142  
Email: [international@humboldt.edu](mailto:international@humboldt.edu)  
International Programs website

## Other Applicants

### High School Concurrent Program

High school juniors/seniors who have a 3.0 GPA or higher in their college preparatory program, and who have been recommended by their high school counselors, will be considered for enrollment through the High School Concurrent Program. Enrollment requires individual approval for each course and term of attendance. Such admission is only for a given specific program and does not constitute the right to continued enrollment. Contact the College of Extended Education & Global Engagement for details 707-826-3731.

### Adult Students

As an alternative to regular admission criteria, an applicant who is 25 years of age or older may be considered for admission as an adult student if he or she meets all of the following conditions:

- Possesses a high school diploma (or has established equivalence through either the General Educational Development or California High School Proficiency Examinations).
- Has not been enrolled in college as a full-time student for more than one term during the past five years.
- If there has been any college attendance in the last five years, has earned a 2.00 GPA or better in all college work attempted.

Consideration will be based upon a judgment as to whether the applicant is as likely to succeed as a regularly admitted freshman or transfer student and will include an assessment of basic skills in the English language and mathematical computation.

### Over-60 Program for Non-Degree Students

In this program, non-matriculated senior adults who are California residents are allowed to take courses for a reduced fee. Information is available on the College of Extended Education & Global Engagement website or call 707-826-3731 for details.

### Cal Poly Humboldt Study California (SC)

Study California is for students interested in studying at Cal Poly Humboldt without going through the formal admission process. Students must enroll in exactly 12 units per semester, providing there are spaces available in classes. Courses taken at Cal Poly Humboldt through the Study California program may appear on an official transcript and transferred to students' home universities. Students may be enrolled in the Study California program for a maximum of two semesters (one year). Students must receive a minimum GPA of 2.0 during their first term to continue to the next session. Admission requirements for Study California are the same as requirements for the undergraduate or graduate level. More information can be found on the Cal Poly Humboldt Study California website.

## Intrasystem & Intersystem Enrollment Programs

Fully matriculated students enrolled at any CSU campus have access to courses at other CSU campuses on a space available basis unless those campuses/programs are impacted. This access is offered without students

being required to be formally admitted to the host campus and in most cases without paying additional fees. Students should consult their home campus academic advisors to determine how such courses may apply to their specific degree programs before enrolling at the host campus.

There are two programs for enrollment within the CSU and one for enrollment between CSU and the University of California or California Community Colleges. Additional information about these programs is available from the Office of the Registrar, SBS 133, 707-826-4101.

## CSU Fully Online Courses

Matriculated students in good standing may request enrollment in one course per term, offered by a CSU host campus. Enrollment requests will be granted based on available space, as well as completion of any stated pre-requisites. Credit earned at the host campus is electronically reported to the student's home campus to be included on the student's transcript at the home campus. More information is available on the CSU Fully Online website.

## CSU Visitor Enrollment

Matriculated students in good standing enrolled at one CSU campus may enroll at another CSU campus for one term. Credit earned at the host campus is reported at the student's request to the home campus to be included on the student's transcript at the home campus.

## Intersystem Cross Enrollment

Matriculated CSU, UC, or community college students may enroll on a "space available" basis for one course per term at another CSU, UC, or community college and request that a transcript of record be sent to the home campus.

# Immunizations and Health Screening

## CSU Interim COVID-19 Vaccination Policy

Entering CSU students are required to present proof of the following immunizations to the CSU campus they will be attending before the beginning of their first term of enrollment.

All individuals who access Campus/Programs must be Fully Vaccinated against the COVID-19 virus, as defined by this policy, subject to the terms and limited Exemptions described in this policy, as well as comply with Other Safety Measures established on each campus.

A Student may be exempted from the vaccine requirement in this policy as described below:

**Medical Exemption:** due to a medical (including mental health) condition for which an Approved Vaccine presents a significant risk of a serious adverse reaction. Any medical Exemption must be verified by a certified or licensed healthcare professional.

**Religious Exemption:** due to either (i) a person's sincerely held religious belief, observance, or practice, which includes any traditionally recognized religion, or (ii) beliefs, observances, or practices which an individual sincerely holds and that occupy a place of importance in that individual's life, comparable to that of traditionally recognized religions.

See Immunizations on the Student Health and Wellbeing Services website for more information.

## CSU Immunization Requirements

Entering CSU students are required to present proof of the following immunizations to the CSU campus they will be attending before the beginning of their first term of enrollment.

**Measles, Mumps and Rubella (MMR).** Two doses with first dose on or after first birthday; or positive titer (laboratory evidence of immunity to the disease).

**Hepatitis B (Hep B).** All new students who will be 18 years of age or younger at the start of their first term at a CSU campus must provide proof of full immunization against Hepatitis B before enrolling. Full

immunization against Hepatitis B consists of three timed doses of vaccine over a minimum 4 to 6 months period. If you need further details, please consult the Student Health Center.

**Varicella (Chickenpox):** Two doses with first dose on or after first birthday; OR positive titer (laboratory evidence of immunity to disease) prior to enrollment.

**Tetanus, Diphtheria, Pertussis (Tdap):** One dose after age 7.

**Meningococcal conjugate (Serogroups A, C, Y, & W-135):** One dose on or after 16 for all students and age 21 or younger.

**Tuberculosis Screening/Risk Assessment:** All incoming students must complete a Tuberculosis risk questionnaire. Incoming students who are at higher risk\* for TB infection, as indicated by answering "yes" to any of the screening questions, should undergo either skin or blood testing for TB infection within one year of CSU entry.

\*Higher risk include travel or living in South or Central America, Africa, Asia, Eastern Europe, and the Middle East; prior positive TB test; or exposure to someone with active TB disease.

The above are not admission requirements, but are required of students as conditions of enrollment in CSU.

## Cal Poly Humboldt Immunization Information

New and readmitted Cal Poly Humboldt students (undergraduate and post-baccalaureate students) are required to provide immunization information to the Student Health Center BEFORE enrolling in their first term. Providing the required information in advance will give you time to clear the hold (up to a week) before you register. Complete the immunization form and upload a copy of your immunization record (valid proof of immunity to all diseases listed in the above section) via the Secure Health Portal.

If you included vaccination records with your application packet, you will still need to submit another copy along with the required form using the website above. Necessary immunizations should be obtained before arriving on campus from your personal physician or local County Health Department. The Student Health Center may provide required vaccinations for a fee for those coming from areas where they are unavailable. Failure to provide proof of immunization will result in the student not being allowed to register for a second semester.

## Use of Social Security Number

Applicants are required to include their correct social security numbers in designated places on applications for admission pursuant to the authority contained in Section 41201, Title 5, California Code of Regulations, and Section 6109 of the Internal Revenue Code (26 U.S.C. 6109). The university uses the social security number to identify students and their records including identification for purposes of financial aid eligibility and disbursement and the repayment of financial aid and other debts payable to the institution. Also, the Internal Revenue Service (IRS) requires the university to file information returns that include the student's social security number and other information such as the amount paid for qualified tuition, related expenses and interest on educational loans. This information is used by the IRS to help determine whether a student, or a person claiming a student as a dependent, may take a credit or deduction to reduce federal income taxes.

## Reservation

The university reserves the right to select its students and deny admission to the university or any of its programs as the university, in its sole discretion, determines appropriate based on an applicant's suitability and the best interests of the university.

# Fees & Financial Aid

## Fees

The registration fee includes the student association fee; student center fee; health facilities fee; instructionally-related activities fee; student health and counseling fee; materials, services, and facilities fee; the tuition fee; and other course-related fees, as determined by the department.

Students who are residents of states other than California, or nonresident students from other countries, must pay nonresident tuition fees in addition to the registration fee. Students auditing a class still pay regular fees.

## Fees at Cal Poly Humboldt

### Registration Fees (per semester)\*

| Fee                                                 | Units: 6.1 or more | Units: 0 to 6.0 |
|-----------------------------------------------------|--------------------|-----------------|
| Student Body Association Fee                        | \$59               | \$59            |
| Campus Union Fee                                    | \$123              | \$123           |
| Health Facilities Fee                               | \$33               | \$33            |
| Instructionally Related Activities Fee              | \$337              | \$201           |
| Health Services Fee                                 | \$333              | \$333           |
| Materials, Services and Facilities Fee              | \$174              | \$86            |
| Tuition Fee - Undergraduate                         | \$2,871            | \$1,665         |
| Tuition Fee - Graduate                              | \$3,588            | \$2,082         |
| Tuition Fee - Teacher Credential                    | \$3,330            | \$1,932         |
| Tuition Fee - Western Undergraduate Exchange (WUE)  | \$4,307            | \$2,498         |
| Student Involvement & Representation Fee (optional) | \$2                | \$2             |

Please see Tuition and Fees on the Student Financial Services website for additional information.

### Professional Program Fee

The Professional Program Fee is charged at a rate of \$270 per unit for students in the Master of Business Administration (MBA) program. The fee is charged in addition to the tuition fee, campus registration fees, and applicable nonresident fees.

### Nonresident Tuition Fee

Non-California residents pay \$396 per unit tuition in addition to the fees above.

### Other Fees

- Administrative charge for withdrawing or dropping to lower fee category: \$27
- Application fee: \$70
- Application for graduation: \$64
- Check/e-check returned fee: \$25
- Diploma replacement: \$25
- Failure to meet administratively required appointment or time limit fee \$2 to \$30
- Identification card replacement: \$5
- Late payment fee: \$30
- Late registration fee: \$25
- Late add or drop fee (deadline two weeks after instruction begins): \$20 per course
- Library fines: \$5 to \$25
- Library lost book fee: Replacement Value

- Orientation Program Fee: \$50
- Parking- Automobiles: \$157.50 per semester
- Parking- motorcycles, motorized bicycles: \$40 per semester
- Transcripts: \$4 for the first copy. Additional \$2 per copy

\*Fees based on 2020-21 levels.

## Cancellation for Non-Payment of Fees

Failure to pay all outstanding tuition and fees by the posted due date will result in the cancellation of your classes. Student should review their student account to make sure that all eligible aid (such as financial aid, fee waiver, third party scholarship/award) has been applied to their outstanding charges. The university offers a variety of installment plans to cover tuition and fees. Please refer to the Student Financial Services website for any questions regarding fees, installment plans or deadlines.

## CSU Schedule of Tuition and Fees - 2021/22

The CSU makes every effort to keep student costs to a minimum. Tuition and fees listed in published schedules or student accounts may need to be increased when public funding is inadequate. Therefore, CSU reserves the right, even after tuition or fees are initially charged or initial payments are made, to increase or modify any listed tuition or fees. All listed fees, other than mandatory systemwide tuition, are subject to change without notice, until the date when instruction for a particular semester or quarter has begun. All CSU-listed tuition and fees should be regarded as estimates that are subject to change upon approval by the Board of Trustees, the chancellor or the presidents, as appropriate. Changes in mandatory systemwide tuition will be made in accordance with the requirements of the Working Families Student Fee Transparency and Accountability Act (Sections 66028 through 66028.6 of the California Education Code).

The following reflects applicable systemwide tuition and fees for both semester and quarter campuses. These rates are subject to change.

### All Students

Application fee (nonrefundable), payable online at the time of application via credit card, e- check or PayPal: \$70

### 2021/22 Basic Tuition

| 2021/22 Basic Tuition                                   | Per Semester | Per Quarter | Per Academic Year |
|---------------------------------------------------------|--------------|-------------|-------------------|
| Undergraduate Tuition (6.1 or more units)               | \$2,871      | \$1,914     | \$5,742           |
| Undergraduate Tuition (0 to 6.0 units)                  | \$1,665      | \$1,110     | \$3,330           |
| Credential Program Tuition (6.1 or more units)          | \$3,330      | \$2,220     | \$6,660           |
| Credential Program Tuition (0 to 6.0 units)             | \$1,932      | \$1,288     | \$3,864           |
| Graduate/Post Baccalaureate Tuition (6.1 or more units) | \$3,588      | \$2,392     | \$7,176           |
| Graduate/Post Baccalaureate Tuition (0 to 6.0 units)    | \$2,082      | \$1,388     | \$4,164           |

## 2021/22 Doctorate Tuition\*

| 2021/22 Doctorate Tuition       | Per Semester | Per Quarter | Per Academic Year |
|---------------------------------|--------------|-------------|-------------------|
| Audiology (all students)        | \$7,317      |             | \$14,742          |
| Education (all students)        | \$5,919      | \$3,946     | \$11,838          |
| Nursing Practice (all students) | \$7,635      |             | \$15,270          |
| Physical Therapy (all students) | \$8,598      |             | \$17,196          |

\*Applicable term tuition applies for campuses with special terms, as determined by the campus. Total college year tuition cannot exceed the academic year plus summer term tuition. The summer term tuition for the education doctorate at quarter campuses is equal to the per semester tuition listed in the table. Total tuition for the education doctorate over the college year equals the per academic year tuition plus the per semester tuition for the summer term at all CSU campuses.

## 2021/22 Graduate Business Professional Fee

- Charge Per Unit: Per Semester: \$270
- Charge Per Unit: Per Quarter: \$180

The graduate business professional fee is paid on a per unit basis in addition to basic tuition and campus fees for specific graduate business programs authorized to assess the fee:

- Master of Business Administration (M.B.A.)
- Master of Science (M.S.) programs in Accountancy
- Master of Science (M.S.) programs in Business Administration
- Master of Science (M.S.) programs in Business Analytics
- Master of Science (M.S.) programs in Business and Technology
- Master of Science (M.S.) programs in Entrepreneurship and Innovation
- Master of Science (M.S.) programs in Finance
- Master of Science (M.S.) programs in Health Care Management
- Master of Science (M.S.) programs in Health Services Administration
- Master of Science (M.S.) programs in Information Systems
- Master of Science (M.S.) programs in Information Technology
- Master of Science (M.S.) programs in Marketing
- Master of Science (M.S.) programs in Taxation

## 2021/22 Nonresident Tuition (U.S. and Foreign)

Nonresident tuition (in addition to basic tuition and other systemwide fees charged all students) for all campuses:

- Charge Per Unit: Per Semester: \$396
- Charge Per Unit: Per Quarter: \$264

The total nonresident tuition paid per term will be determined by the number of units taken.

Mandatory systemwide tuition is waived for those individuals who qualify for such exemption under the provisions of the California Education Code (see section on fee waivers). Students are charged campus fees in addition to tuition and systemwide fees. Information on campus fees can be found by contacting the individual campus(es).

## Credit Cards

Visa, MasterCard, American Express and Discover credit cards may be used for payment of student tuition and fees but may be subject to a non-refundable credit card processing fee. Payments may also be sent directly to the Cal Poly Humboldt Cashier's Office.

## CSU Schedule of Tuition and Fees - 2022/23

The CSU makes every effort to keep student costs to a minimum. Tuition and fees listed in published schedules or student accounts may need to be increased when public funding is inadequate. Therefore, CSU reserves the right, even after tuition or fees are initially charged or initial payments are made, to increase or modify any listed tuition or fees. All listed fees, other than mandatory systemwide tuition, are subject to change without notice, until the date when instruction for a particular semester or quarter has begun. All CSU-listed tuition and fees should be regarded as estimates that are subject to change upon approval by the Board of Trustees, the chancellor or the presidents, as appropriate. Changes in mandatory systemwide tuition will be made in accordance with the requirements of the Working Families Student Fee Transparency and Accountability Act (Sections 66028 - 66028.6 of the Education Code).

The following reflects applicable systemwide tuition and fees for both semester and quarter campuses. These rates are subject to change.

### All Students

Application fee (nonrefundable), payable online at the time of application via credit card, e-check or PayPal: \$70

### 2022/23 Basic Tuition

| 2022/23 Basic Tuition                                   | Per Semester | Per Quarter | Per Academic Year |
|---------------------------------------------------------|--------------|-------------|-------------------|
| Undergraduate Tuition (6.1 or more units)               | \$2,871      | \$1,914     | \$5,742           |
| Undergraduate Tuition (0 to 6.0 units)                  | \$1,665      | \$1,110     | \$3,330           |
| Credential Program Tuition (6.1 or more units)          | \$3,330      | \$2,220     | \$6,660           |
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| Graduate/Post Baccalaureate Tuition (6.1 or more units) | \$3,588      | \$2,392     | \$7,176           |
| Graduate/Post Baccalaureate Tuition (0 to 6.0 units)    | \$2,082      | \$1,388     | \$4,164           |

### 2022/23 Doctorate Tuition\*

| 2022/23 Doctorate Tuition       | Per Semester | Per Quarter | Per Academic Year |
|---------------------------------|--------------|-------------|-------------------|
| Audiology (all students)        | \$7,317      |             | \$14,742          |
| Education (all students)        | \$5,919      | \$3,946     | \$11,838          |
| Nursing Practice (all students) | \$7,635      |             | \$15,270          |
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\*Applicable term tuition applies for campuses with special terms, as determined by the campus. Total college year tuition cannot exceed the academic year plus summer term tuition. The summer term tuition for the education doctorate at quarter campuses is equal to the per semester tuition listed in the table. Total tuition for the education doctorate over the college year equals the per academic year tuition plus the per semester tuition for the summer term at all CSU campuses.

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The graduate business professional fee is paid on a per unit basis in addition to basic tuition and campus fees for specific graduate business programs authorized to assess the fee:

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- Master of Science (M.S.) programs in Business Analytics
- Master of Science (M.S.) programs in Business and Technology
- Master of Science (M.S.) programs in Entrepreneurship and Innovation
- Master of Science (M.S.) programs in Finance
- Master of Science (M.S.) programs in Health Care Management
- Master of Science (M.S.) programs in Health Services Administration
- Master of Science (M.S.) programs in Information Systems
- Master of Science (M.S.) programs in Information Technology
- Master of Science (M.S.) programs in Marketing
- Master of Science (M.S.) programs in Taxation

## 2022/23 Nonresident Tuition (U.S. and Foreign)

Nonresident tuition (in addition to basic tuition and other systemwide fees charged all students) for all campuses:

- Charge Per Unit: Per Semester: \$396
- Charge Per Unit: Per Quarter: \$264

The total nonresident tuition paid per term will be determined by the number of units taken.

Mandatory systemwide tuition is waived for those individuals who qualify for such exemption under the provisions of the California Education Code (see section on fee waivers). Students are charged campus fees in addition to tuition and systemwide fees. Information on campus fees can be found by contacting the individual campus(es).

## Fee Waivers and Exemptions

The California Education Code provides for the waiver of mandatory systemwide tuition fees as summarized below:

**Section 66025.3 (a)** - Dependent eligible to receive assistance under Article 2 of Chapter 4 of Division 4 of the Military and Veterans Code; child of any veteran of the United States military who has a service-connected disability, has been killed in service, or has died of a service-connected disability, and meets specified income provisions; dependent, or surviving spouse who has not remarried of any member of the California National Guard who, in the line of duty, and while in the active service of the state, was killed, died of a disability resulting from an event that occurred while in the active service of the state, or is permanently disabled as a result of an event that occurred while in the active service of the state; and any undergraduate student who is a recipient of a Medal of Honor, or undergraduate student who is a child of a recipient of a Medal of Honor who is no more than 27 years old, who meets the income restriction and California residency requirement.

**Section 68120.3** - Current or former foster youth who are 25 years of age or younger; has been in foster care for at least 12 consecutive months after reaching 10 years of age; meet one of the following: i) is under a current foster care placement order by the juvenile court, ii) was under a foster care placement order by the juvenile court upon reaching 18 years of age, iii) was adopted, or entered guardianship, from foster care; completes and submits the Free Application for Federal Student Aid (FAFSA); maintains a minimum grade point average and meets the conditions necessary to be in good standing at the campus; and meets the financial need requirements established for Cal Grant A awards under Chapter 1.7 of Part 42. The waiver of mandatory systemwide tuition and fees under this section applies only to a person who is determined to be a resident of California pursuant to Chapter 1 (commencing with Section 68000) of Part 41 of the California Education Code.

**Section 66602** - A qualifying student from the California State University who is appointed by the Governor to serve as Trustee of the California State University for the duration of his or her term of office.

**Section 68120** - Surviving spouse or child of a deceased California resident who was employed by a public agency, or was a contractor or an employee of a contractor, performing services for a public agency with principal duties consisted of active law enforcement service or active fire suppression and prevention, and was killed in the performance of active law enforcement or active fire suppression and prevention duties (referred to as Alan Pattee Scholarships).

Additionally, a person who qualifies for the waiver under this section as a surviving child of a contractor or of an employee of a contractor, who performed services for a public agency, must be enrolled as an undergraduate student at the California State University and meet the applicable income restriction requirement with supporting documentation (i.e. his/her income, including the value of parent support, does not exceed the maximum household income and asset level for an applicant for a Cal Grant B award).

**Section 68120.3** - Surviving spouse (until January 1, 2033) or surviving child (until attaining the age of 30) of a deceased California resident who was a licensed physician or licensed nurse employed by or under contract with a health facility regulated and licensed by the State Department of Public Health to provide medical services, or a first responder employed to provide emergency services as described in Section 8562 of the Government Code. The deceased person's principal duties consisted of providing medical services or emergency services during the COVID-19 pandemic state of emergency (started March 4, 2020, until the Governor lifts the state of emergency), and the deceased person died of COVID-19 during the COVID-19 pandemic state of emergency. The person who qualifies for this waiver must enroll as an undergraduate student at a campus of the California State University, was a resident of California during the COVID-19 pandemic state of emergency, and the annual income (including the value of parent's support) does not exceed the maximum household income and asset level for an applicant for a Cal Grant A award, as set forth in Section 69432.7.

**Section 68121** - A qualifying student (until attaining the age of 30) enrolled in an undergraduate program who is the surviving dependent of any individual killed in the September 11, 2001, terrorist attacks on the World Trade Center in New York City, the Pentagon building in Washington, D.C., or the crash of United Airlines Flight 93 in southwestern Pennsylvania, if the student meets the financial need requirements set forth in Government Code Section 69432.7 for the Cal Grant A Program and either the surviving dependent or the individual killed in the attacks was a resident of California on September 11, 2001.

**Section 69000** - A California resident who has been exonerated, as that term is defined in Section 3007.05(e) of the Penal Code; completes and submits the FAFSA; and meets the financial need requirements established for Cal Grant A awards. The student's mandatory systemwide tuition and fees waived pursuant to this subdivision shall not have in excess of the equivalent of six years of full-time attendance in an undergraduate program.

Students who may qualify for the above benefits should contact the Admissions/Registrar's Office for further information and/or an eligibility determination.

The California Education Code provides for the following nonresident tuition exemptions as summarized below:

**Section 68075** - A student who is a member of the Armed Forces of the United States stationed in this state, except a member of the Armed Forces assigned for educational purposes to a state-supported institution of higher education, is entitled to resident classification only for the purpose of determining the amount of tuition and fees.

If that member of the Armed Forces of the United States who is in attendance at an institution is thereafter transferred on military orders to a place outside this state where the member continues to serve in the Armed Forces of the United States, the member shall not lose the member's resident classification so long as the member remains continuously enrolled at that institution.

**Section 68075.7** - A nonresident student is exempt from paying nonresident tuition or any other fee that is exclusively applicable to nonresident students if the student (1) resides in California, (2) meets the definition of "covered individual" as defined in Section 3679(c)(2) of Title 38 of the United States Code, (3) is eligible for education benefits under the federal Montgomery GI Bill-Active Duty program or the Post-9/11 GI Bill program as each read on January 1, 2017.

**Section 68122** - A student who is a victim of trafficking, domestic violence, and other serious crimes who has been granted a status under Section 1101(a)(15)(T)(i) or (ii), or Section 1101(a)(15)(U)(i) or (ii), of Title 8 of the United States Code shall be exempt from paying nonresident tuition to the same extent as individuals who are admitted to the United States as refugees under Section 1157 of Title 8 of the United States Code.

**Section 68130.5** - A student, other than a person excluded from the term "immigrant" for purposes of the federal Immigration and Nationality Act (8 U.S.C. Sec. 1101), pursuant to paragraph (15) of subsection (a) of Section 1101 of Title 8 of the United States Code, who is not a resident of California is exempt from paying nonresident tuition if the student meets the requirements of (1) through (4), below:

1. Satisfaction of the requirements of either subparagraph (A) or subparagraph (B):
  - A. A total attendance of, or attainment of credits earned while in California equivalent to, three or more years of full-time attendance or attainment of credits at any of the following:
    - California high schools.
    - California high schools established by the State Board of Education.
    - California adult schools established by a county office of education, a unified school district or high school district, or the Department of Corrections and Rehabilitation (subject to the class hours' requirement).
    - Campuses of the California Community Colleges (subject to the credit requirements).
    - A combination of those schools set forth in clauses (i) to (iv), inclusive.
  - B. Three or more years of full-time high school coursework, and a total of three or more years of attendance in California elementary schools, California secondary schools, or a combination of California elementary and secondary schools.
2. Satisfaction of any of the following:
  - A. Graduation from a California high school or attainment of the equivalent thereof.
  - B. Attainment of an associate degree from a campus of the California Community Colleges.
  - C. Fulfillment of the minimum transfer requirements established for the California State University for students transferring from a campus of the California Community Colleges.

3. Registration as an entering student at, or current enrollment at, an accredited institution of higher education in California not earlier than the fall semester or quarter of the 2001-02 academic year.
4. In the case of a person without lawful immigration status, the filing of an affidavit with the institution of higher education stating that the student has filed an application to legalize his or her immigration status, or will file an application as soon as he or she is eligible to do so.

## Procedure for the Establishment or Abolishment of Campus-Based Mandatory Fees

The law governing the California State University provides that specific campus fees defined as mandatory, such as a student association fee and a student center fee, may be established. A student association fee must be established upon a favorable vote of two-thirds of the students voting in an election held for this purpose (Education Code, Section 89300). The campus president may adjust the student association fee only after the fee adjustment has been approved by a majority of students voting in a referendum established for that purpose. The required fee shall be subject to referendum at any time upon the presentation of a petition to the campus president containing the signatures of 10 percent of the regularly enrolled students at the university. Student association fees support a variety of cultural and recreational programs, childcare centers, and special student support programs. A student center fee may be established only after a fee referendum is held which approves by a two-thirds favorable vote the establishment of the fee (Education Code, Section 89304). Once bonds are issued, authority to set and adjust student center fees is governed by provisions of the State University Revenue Bond Act of 1947, including, but not limited to, Education Code sections 90012, 90027, and 90068. A student success fee may be established or adjusted only after the campus undertakes a rigorous consultation process and a fee referendum is held with a simple majority favorable vote (Education Code, Section 89712). The student success fee may be rescinded by a majority vote of the students only after six years have elapsed following the vote to implement the fee.

The process to establish and adjust other campus-based mandatory fees requires consideration by the campus fee advisory committee and a student referendum as established by California State University Student Fee Policy Executive Order 1102, Section III. The campus president may use alternate consultation mechanisms if he/ she determines that a referendum is not the best mechanism to achieve appropriate and meaningful consultation. Results of the referendum and the fee committee review are advisory to the campus president. The president may adjust campus-based mandatory fees but must request the chancellor to establish a new mandatory fee. The president shall provide to the campus fee advisory committee a report of all campus-based mandatory fees. The campus shall report annually to the chancellor a complete inventory of all campus-based mandatory fees.

For more information or questions, please contact the Budget Office in the CSU Chancellor's Office at (562) 951-4560.

**Materials, Services, and Facilities Fees.** Students pay additional fees for courses with activities such as field trips. Some courses require insurance. The current semester class schedule has fee information; available on the Office of the Registrar Class Schedule webpage.

## Department of Veterans Affairs and Department of Defense Education Benefits and Assistance

Veteran service members, dependents of deceased or disabled veterans, and reservists are eligible for VA educational benefits. Information is available on the VA Benefits website or eBenefits.

## California Department of Veterans Affairs Fee Waiver

Many spouses/registered domestic partners and dependents of service connected deceased or disabled veterans are eligible for a Cal Vet Fee



Waiver. This is a partial waiver of registration fees at any CSU, UC, or California community college through the California Department of Veterans Affairs. (Eligibility is established by any County Veterans Service Office.) Financial aid recipients must report to the Cal Poly Humboldt Financial Aid Office any fee waiver received.

To find out which veterans benefits program you may be eligible for, and to obtain information and forms, contact Veterans Enrollment & Transition Services (LL 58; 707-8266272) at least two months before the term you plan to attend.

## Debts & Refunds

### Fees and Debts Owed to the Institution

Should a student or former student fail to pay a fee or a debt owed to the institution, including tuition and student charges, the institution may "withhold permission to register, to use facilities for which a fee is authorized to be charged, to receive services, materials, food or merchandise or any combination of the above from any person owing a debt" until the debt is paid (see Title 5, California Code of Regulations, Sections 42380 and 42381).

Prospective students who register for courses offered by the university are obligated for the payment of charges and fees associated with registration for those courses. Failure to cancel registration in any course for an academic term prior to the first day of the academic term gives rise to an obligation to pay student charges and fees including any tuition for the reservation of space in the course.

The institution may withhold permission to register or other services offered by the institution from anyone owing fees or another debt to the institution. The institution may also report the debt to a credit bureau, offset the amount due against any future state tax refunds due the student, refer the debt to an outside collection agency and/or charge the student actual and reasonable collection costs, including reasonable attorney fees if litigation is necessary, in collecting any amount not paid when due.

The institution may not withhold an official transcript of grades by the institution from anyone owing fees or another debt to the institution (see Title 1.6C.7 (commencing with Section 1788.90) Part 4 of Division 3 of the Civil Code). The institution can still charge a fee for the issuance of the transcript pursuant to their published transcript processing fees.

If a person believes they do not owe all or part of an asserted unpaid obligation, that person may contact Student Financial Services at 707-826-4407. Student Financial Services to which the business office may refer the person, will review all pertinent information provided by the person and available to the campus and will advise the person of its conclusions.

### Refund of Tuition and Mandatory Fees, Including Nonresident Tuition

Regulations governing the refund of tuition and mandatory fees, including nonresident tuition, for students enrolling at the California State University are included in Section 41802 of Title 5, California Code of Regulations. For purposes of the refund policy, mandatory fees are defined as those systemwide and campus fees that are required to be paid in order to enroll in state-supported academic programs at the CSU. Refunds of fees and tuition charges for self-support, special session and extended education programs or courses at the CSU are governed by a separate policy established by the university, available at Student Financial Services.

In order to receive a full refund of tuition and mandatory fees, including nonresident tuition, less an administrative charge established by the campus, a student must cancel registration or drop all courses prior to the first day of instruction for the term. Information on procedures and deadlines for canceling registration and dropping classes is available on the Student Financial Services website.

For state-supported semesters, quarters and non-standard terms or courses of four weeks or more, a student who withdraws during the term in accordance with the university's established procedures or drops all courses prior to the campus-designated drop period will receive a refund of tuition and mandatory fees, including nonresident tuition, based on the portion of the term during which the student was enrolled. No student withdrawing after the 60 percent point in the term will be entitled to a refund of any mandatory fees or nonresident tuition.

A student who, within the campus designated drop period and in accordance with campus procedures, drops units resulting in a lower tuition and/or mandatory fee obligation shall be entitled to a refund of applicable tuition and mandatory fees less an administrative charge established by the campus.

For state-supported non-standard terms or courses of less than four weeks, no refunds of tuition and mandatory fees, including nonresident tuition, will be made unless a student cancels registration or drops all classes, in accordance with the university's established procedures and deadlines, prior to the first day of instruction for state-supported non-standard terms or courses or prior to the first meeting for courses of less than four weeks.

Students will also receive a refund of tuition and mandatory fees, including nonresident tuition, under the following circumstances:

- The tuition and fees were assessed or collected in error;
- The course for which the tuition and fees were assessed or collected was cancelled by the university;
- The university makes a delayed decision that the student was not eligible to enroll in the term for which tuition and mandatory fees were assessed and collected and the delayed decision was not due to incomplete or inaccurate information provided by the student; or
- The student was activated for compulsory military service.

Students who are not entitled to a refund as described above may petition the university for a refund demonstrating exceptional circumstances and the chief financial officer of the university or designee may authorize a refund if he or she determines that the fees and tuition were not earned by the university.

Information concerning any aspect of the refund of fees may be obtained from: Student Financial Services, 1 Harpst Street, Student & Business Services 257 Arcata, CA 95521. Phone: 707-826-4407.

## Determination of Residency for Tuition Purposes

University requirements for establishing residency for tuition purposes are independent from requirements for establishing residency for other purposes, such as for tax purposes, or other state or institutional residency. These regulations were promulgated not to determine whether a student is a resident or nonresident of California, but rather to determine whether a student qualifies to pay university fees at the in-state or out-of-state rate. A resident for tuition purposes is someone who meets the requirements set forth in the Uniform Student Residency Requirements. These laws governing residency for tuition purposes at the California State University are California Education Code sections 68000-68086, 68120- 68133, and 89705-89707.5, and California Code of Regulations, Title 5, Subchapter 5, Article 4, sections 41900- 41915. This material can be viewed by accessing the California State University Office of General Counsel website.

Each campus's Admissions Office is responsible for determining the residency status of that campus's new and returning students based, as applicable, on the student's Application for Admission, Residency Questionnaire, and, as necessary, other information the student furnishes. A student who fails to provide sufficient information to establish resident status will be classified a nonresident.

## Residency Requirements

### Initial Determination: Eligible Immigration Status, Physical Presence and Intent

A student seeking to pay in-state tuition at a California State University campus as a first-time freshman, transfer, or as a post-baccalaureate/graduate student must have an eligible immigration status to establish residency (see Immigration Information), meet physical presence by the Residence Determination Date, and demonstrate intent to indefinitely remain in the State of California for more than one year immediately preceding the Residence Determination Date. If the student is under the age of 19 (with limited exceptions), the student's residence status is derived from that of the parent or from that of the legal guardian.

### Requirements for Residency for Tuition Purposes

**Physical Presence:** The student or parent/guardian must be physically present in California for more than one year immediately preceding the Residence Determination Date in which enrollment is contemplated. For example, if a student plans to attend the CSU for the Fall 2022 academic term, and the Residence Determination Date for that term is September 20, 2022, the student must establish physical presence in California no later than September 19, 2021.

**Intent:** California law stipulates the burden of proof rests with the student, and merely living in California for a year does not support a claim for residency for tuition purposes. The student, or in some cases a parent or legal guardian, must demonstrate intent to remain indefinitely in the state for more than one year immediately preceding the Residence Determination Date (RDD) and sever all residential ties with the former state or country of residence. If the student is under the age of 19, the student's residence status is derived from that of the parent or legal guardian unless an exception applies. There must be sufficient documentation to demonstrate that intent was established more than one year (a minimum of one year and one day) before the RDD.

Documents must include the student's name, the student's California address, and a date at least one year and one day prior or on the RDD for the term. For students under the age of 19, documents must be in the parent or legal guardian's name unless an exception applies. Also, a parent or legal guardian's immigration status does not preclude a student from establishing residency; therefore, the parent or legal guardian is not required to provide any immigration documents to demonstrate intent.

Evidence demonstrating intent to remain in the State of California indefinitely may vary from case to case, but will include, and is not necessarily limited to, the absence of residential ties to any other state, California voter registration and history of actually voting in California elections, maintaining California vehicle registration and driver's license, maintaining active California bank accounts, filing California income tax returns and listing a California address on federal tax returns, owning residential property or occupying or renting a residence where permanent belongings are kept, maintaining active memberships in California professional or social organizations, and maintaining a permanent military address and home of record in California.

### Immigration Information

A student seeking to pay in-state tuition at a California State University campus as a first-time freshman, transfer, or as a post-baccalaureate/graduate student must have an eligible immigration status to establish residency. Therefore, the student must be a United States citizen, a permanent resident (Green Card holder), or hold an eligible visa status (see list). If a student does not qualify as a California resident, the student may be eligible for certain exceptions and exemptions.

Nonimmigrant Statuses and Other Categories that are Eligible to Establish California Residency for Tuition Purposes

The Immigration and Nationality Act allows individuals in certain nonimmigrant statuses to establish permanent residency in the United

States. Therefore, they are entitled to establish California residency for tuition purposes. For a complete list of eligible visas and other eligible categories, review the Nonimmigrant list. Students must hold an eligible visa status at least one year before the Residence Determination Date to be eligible to establish California residency for tuition purposes.

Students in the category of Deferred Action for Childhood Arrivals (DACA) or Temporary Protected Status (TPS) are also eligible to establish residency for tuition purposes. Also, students who are adjusting their immigration status, such as asylum, may qualify for residency depending on where they are in the application process.

Most nonimmigrant visa holders, such as an F-1 or J-1 visa holder, are not eligible to establish California residency for tuition purposes. Students with a visa or without an immigration status should contact the campus Admissions Office.

### Exceptions

Exceptions to the general residency requirements are contained in California Education Code sections 68070-68086 and California Code of Regulations, Title 5, Subchapter 5, Article 4, sections 41906- 41906.6, 41910. Whether an exception applies to a particular student can only be determined after the submission of an application for admission and, as necessary, additional supporting documentation. Because neither the campus nor the Chancellor's Office staff may give legal advice, applicants are strongly urged to review the material for themselves and consult with a legal advisor.

Residency determination dates are set each term.

#### Quarter Term Campuses

- Fall: September 20
- Winter: January 5
- Spring: April 1
- Summer: July 1

#### Semester Term Campuses

- Fall: September 20
- Winter: January 5
- Spring: January 25
- Summer: June 1

#### CalState TEACH

- Fall - September 20
- Spring - January 5
- Summer - June 1

### Reclassification - Financial Independence (only applies to continuing students)

A student classified as a nonresident for a prior term may seek reclassification in any subsequent term; however, reclassification requires that, in addition to satisfying the requirements of physical presence and intent to remain indefinitely in the state, the student must also satisfy the requirement of financial independence as outlined in Title 5 CCR § 41905.5. To do so, the student must contact the appropriate person in the campus admissions office and complete a Residency Questionnaire Form and provide supporting documents.

41905.5. Residence Reclassification - Financial Independence Requirement

- Any nonresident student requesting reclassification to resident for tuition purposes must demonstrate financial independence
- Student has not and will not be claimed as an exemption for state and federal tax purposes by his/her parent in the calendar year the reclassification application is made and in any of the three calendar years prior to the reclassification application
- Student has not and will not receive more than seven hundred fifty dollars (\$750) per year in financial assistance from

his/her parent in the calendar year the reclassification application is made and in any of the three calendar years prior to the reclassification application

- Student has not lived and will not live for more than six weeks in the home of his/her parent during the calendar year the reclassification application is made and in any of the three calendar years prior to the reclassification application
- Note: Students who receive a government scholarship and/or financial assistance should be viewed the same as state and federal financial aid, and athletics grants-is-aid; and should not be counted as parental support.
- Effective Fall 2020 academic term, if the student meets at least one of the following criteria, the student does not have to meet the financial independence requirement. Student must provide the campus admissions office supporting documents (e.g. state income tax returns, court documents, marriage certificate, military order form) that demonstrate they meet the criteria.
- Dependent on a parent who has California residence for more than one year immediately preceding the residence determination date;
- Enrolled in a graduate or post-baccalaureate program, regardless of age;
- Turned 24 years of age by the residence determination date;
- Married or registered domestic partner as of the residence determination date;
- Active duty members serving in the U.S Armed Forces
- Veteran of the U.S. Armed Forces
- Legal dependent other than spouse or registered domestic partner
- Former ward of the court, foster youth or both parents are deceased
- Declared by a court to be an emancipated minor
- Unaccompanied youth who is homeless or at risk of becoming homeless

## Residency Appeals

A student classified as a nonresident may appeal a final campus decision within 30 days of notification by the campus. Appeals will be accepted only if at least one of the following criteria applies:

1. The decision was based on:
  - a significant error of fact by the campus;
  - a significant procedural error by the campus; or
  - an incorrect application of the law which, if corrected would require that the student be reclassified as a California resident; and/or
2. Significant new information, not previously known or available to the student, became available after the date of the campus decision classifying the student as a nonresident and based on the new information, the classification as a nonresident is incorrect.

Instructions to submit an appeal and additional information can be found on the California Residency for Tuition Purposes website. Appeals via email, fax and U.S. mail will not be accepted. A student with a documented disability who is requesting an accommodation to submit an appeal through the CSU website should contact Student Affairs and Enrollment Management at [residencyappeals@calstate.edu](mailto:residencyappeals@calstate.edu)

The Chancellor's Office will either decide the appeal or send the matter back to the campus for further review.

A student incorrectly classified as a resident or incorrectly granted an exception from nonresident tuition is subject to reclassification as a nonresident or withdrawal of the exception and subject to payment of nonresident tuition in arrears. If incorrect classification results from false or concealed facts, the student may also be subject to discipline pursuant

to Section 41301 of Title 5 of the California Code of Regulations. A student previously classified as a resident or previously granted an exception is required to immediately notify the Admissions Office if the student has reason to believe that the student no longer qualifies as a resident or no longer meets the criteria for an exception.

Changes may have been made in the rate of nonresident tuition and in the statutes and regulations governing residency for tuition purposes in California between the time this information is published and the relevant residency determination date. Students are urged to review the statutes and regulations stated above.

## Financial Aid

Student who are interested in receiving financial assistance from the federal and/or state governments must submit a free application for aid in order for eligibility to be determined. There are two applications available, the Free Application for Federal Student Aid (FAFSA) for U.S. citizens and the California Dream Act for eligible AB540 students. The application period opens each year on October 1 for the following academic year. The priority deadline for maximum aid consideration is March 2. Additional information is available on the Financial Aid Application webpage. Cal Poly Humboldt school code is 001149.

## Types of Aid

Financial Aid is considered any type of financial assistance a student receives for educational purposes whether it be from the federal and state governments or other sources. Students who submit a financial aid application are considered for four basic types of aid: scholarships, grants, work-study, and loans. See Types of Aid on the Financial Aid website. Students may access their personal financial aid award information online via Student Center or contact Financial Aid at (707) 826-4321 or via email at [finaid@humboldt.edu](mailto:finaid@humboldt.edu).

## Federal Aid

Federal Pell Grant (PELL). The Federal Pell Grant is an entitlement program awarded to eligible students based on their financial need and who are pursuing their first undergraduate degree or initial teaching credential.

Federal Work Study (FWS) is a financial aid program that allows you to earn money to meet your educational costs through an on-campus or community job and the money earned does not have to be repaid. FWS is generally awarded to students enrolled full time, the types of awards and work vary depending on available funding and jobs.

The Federal Supplemental Educational Opportunity Grant (FSEOG) are awarded to eligible undergraduate students who have Pell Grant eligibility. Funding for this grant is very limited and is usually awarded only to students from historically low-income families.

The TEACH Grant Program provides funds for students who are completing or who plan to complete coursework that is required to begin a career in teaching, and agree to teach full time for at least four years at an elementary school, secondary school, or educational service agency that serves students from low-income families and to meet other requirements.

## State Aid

Cal Grants are the largest source of free money for California residents (and AB540 eligible students) and are intended for undergraduate students who have financial need.

The California Chafee Grant for Foster Youth gives free money to current or former foster youth to use for college.

California's Middle Class Scholarship is a program that provides undergraduate and credential students, whose family income and assets are up to \$165,000, a tuition discount to attend a California State University (CSU) campus. MCS scholarships are not set amounts and may vary by student and institution.

The Golden State Teacher Grant Program (GSTG) encourages students to consider earning a teaching credential and teach in a high-need field, at a priority school, in California for four years, within five years after completing a teacher preparation program.

## Institutional Aid

The Educational Opportunity Program Grant (EOPG) is a grant awarded to first-year full-time undergraduate students admitted through the Cal Poly Humboldt Educational Opportunity Program/Student Support Services. This fund is awarded at the discretion of the Director of EOP/SSS.

State University Grant (SUG) Students must be classified as a California Resident (or an AB540 eligible student) in order to be considered for the State University Grant (SUG), which is for payment of CSU tuition and is the equivalent of a student's yearly tuition charge. The SUG is not applied to campus based fees.

The California Dream Loan is a subsidized loan program developed to assist the California Dream Act students, also known as an AB-540 students. The Dream Loan provides an option to California Dream Act students to borrow loans to help cover the cost of attending Cal Poly Humboldt.

## Cal Poly Humboldt Scholarships

Cal Poly Humboldt awards approximately \$600,000 in scholarships annually. Individual award amounts vary from \$500 to \$4000 annually. The application period is November 15 to January 31 for the following academic year. Additional information is available on the Financial Aid: Scholarships and Private Loans webpage. Financial Aid measures academic achievement by grade information obtained from the Office of the Registrar.

## Estimated Cost of Attendance

The following estimates for 2022-2023 will give you a general idea of costs; summer attendance costs are not included. Fees are based on 6.1 or more units per semester. The CSU makes every effort to keep student costs to a minimum. Fees listed in published schedules or student accounts may need to be increased when public funding is inadequate. Therefore, CSU must reserve the right, even after initial fee payments are made, to increase or modify any listed fees, without notice, until the date when instruction for a particular semester or quarter has begun. All CSU listed fees should be regarded as estimates that are subject to change upon approval by The Board of Trustees.

## Undergraduate

| Undergraduate Estimated         | Living with parents | Living on campus | Living off campus |
|---------------------------------|---------------------|------------------|-------------------|
| Books & Supplies <sup>[1]</sup> | \$1,090             | \$1,090          | \$1,090           |
| Tuition & Fees <sup>[2]</sup>   | \$7,858             | \$7,858          | \$7,858           |
| Food & Housing                  | \$9,360             | \$12,540         | \$13,790          |
| Transportation                  | \$1,158             | \$1,158          | \$1,158           |
| Miscellaneous                   | \$2,204             | \$2,204          | \$2,204           |
| <b>Total</b>                    | <b>\$21,670</b>     | <b>\$24,850</b>  | <b>\$26,100</b>   |

<sup>[1]</sup> includes books, supplies, computer expenses & course materials fees

<sup>[2]</sup> subject to change

## WUE (Western Undergraduate Exchange)

| WUE Estimated                   | Living on campus | Living off campus |
|---------------------------------|------------------|-------------------|
| Books & Supplies <sup>[1]</sup> | \$1,090          | \$1,090           |
| Tuition & Fees <sup>[2]</sup>   | \$10,732         | \$10,732          |
| Food & Housing                  | \$12,540         | \$13,790          |
| Transportation                  | \$1,158          | \$1,158           |
| Miscellaneous                   | \$2,204          | \$2,204           |
| <b>Total</b>                    | <b>\$27,724</b>  | <b>\$28,974</b>   |

<sup>[1]</sup> includes books, supplies, computer expenses & course materials fees

<sup>[2]</sup> subject to change

## Credential Candidate

| Credential Candidate Estimated  | Living with parents | Living on campus | Living off campus |
|---------------------------------|---------------------|------------------|-------------------|
| Books & Supplies <sup>[1]</sup> | \$1,090             | \$1,090          | \$1,090           |
| Tuition & Fees <sup>[2]</sup>   | \$8,778             | \$8,778          | \$8,778           |
| Food & Housing                  | \$9,360             | \$12,540         | \$13,790          |
| Transportation                  | \$1,158             | \$1,158          | \$1,158           |
| Miscellaneous                   | \$2,204             | \$2,204          | \$2,204           |
| <b>Total</b>                    | <b>\$22,590</b>     | <b>\$25,770</b>  | <b>\$27,020</b>   |

<sup>[1]</sup> includes books, supplies, computer expenses & course materials fees

<sup>[2]</sup> subject to change

## Graduate/Post-baccalaureate/Western Regional Graduate (WRGP)

| Graduate Estimated              | Living with parents | Living on campus | Living off campus |
|---------------------------------|---------------------|------------------|-------------------|
| Books & Supplies <sup>[1]</sup> | \$1,090             | \$1,090          | \$1,090           |
| Tuition & Fees <sup>[2]</sup>   | \$9,294             | \$9,294          | \$9,294           |
| Food & Housing                  | \$9,360             | \$12,540         | \$13,790          |
| Transportation                  | \$1,158             | \$1,158          | \$1,158           |
| Miscellaneous                   | \$2,204             | \$2,204          | \$2,204           |
| <b>Total</b>                    | <b>\$23,106</b>     | <b>\$26,286</b>  | <b>\$27,536</b>   |

<sup>[1]</sup> includes books, supplies, computer expenses & course materials fees

<sup>[2]</sup> subject to change

## ID Card Fee:

An additional \$5 is assessed to new students for an Identification Card.

## Out of State Tuition: Undergraduate

Example non-resident fee: 12 units x 2 semesters = 24 units x \$396 per unit = \$9,504 in non-residence fees. Example non-resident estimated cost of attendance: \$9,504 + \$26,100 = \$35,604 is the estimated cost of attendance per year.

## Out of State Tuition: Graduate

Example of Non-resident Fees: 9 units x 2 semesters = 18 units x \$396 per unit = \$7,128 in non-resident fees. **Example of Non-resident estimated cost of attendance:** \$7,128 + \$27,536 = \$34,664 is the estimated cost of attendance per year.

# Academic Regulations & Enrollment

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## Academic Renewal

The Trustees of the California State University have established a program of academic renewal. Students having difficulty meeting graduation requirements due to a grade point deficiency may petition to have up to two semesters or three quarters of previous college work discounted from all considerations associated with requirements for the baccalaureate degree. Academic renewal is intended only to facilitate graduation from Cal Poly Humboldt; it does not apply to individuals who already possess a baccalaureate degree or who meet graduation requirements without the approval of a petition for academic renewal.

### Eligibility Requirements

Students must meet all the conditions established by the Trustees to qualify for academic renewal. This policy can only be applied if a student has met all graduation requirements except GPA and:

1. present evidence in the petition that the coursework to be disregarded was, due to extenuating circumstances, substandard and not representative of the student's present scholastic ability and level of performance.
2. present evidence that if the petition is denied, the student will have to enroll in additional coursework involving one or more additional terms to qualify for the degree. Include the specific coursework or requirements involved.
3. five years must have elapsed since the term or terms to be disregarded. Terms taken at any institution may be disregarded.
4. since completing the term(s) to be disregarded, the student must have completed at least one of the following in regard to Cal Poly Humboldt coursework: 15 semester units with at least a 3.0 GPA; 30 semester units with at least a 2.5 GPA; 45 semester units with at least a 2.0 GPA
5. the student's grade point average remains below 2.0 for the major, Cal Poly Humboldt, or overall.

Students who believe they are eligible should complete a Petition for Exception to University Policy web-form through the Office of the Registrar.

## Academic Standing and Probation Good Standing

Undergraduate students whose Cal Poly Humboldt cumulative grade point average (GPA) and overall GPA are 2.0 or above are considered in good academic standing. Graduate students whose Cal Poly Humboldt cumulative GPA and overall GPA are 3.0 or above are considered in good academic standing.

## Academic Probation and Disqualification

An undergraduate seeking a bachelor's degree, a post-baccalaureate student seeking a second bachelor's degree, or an unclassified post-baccalaureate student will be placed on academic probation if either the overall grade point average or the cumulative GPA at Humboldt falls below 2.0 (C grade average). A student may remain on probation for no more than two sequential semesters. After two semesters on academic probation, a student must either return to good academic standing or be disqualified.

If a student is on academic probation and the Cal Poly Humboldt cumulative GPA is below the following levels, the student will be academically disqualified:

- Freshmen (<30 units) below 1.50
- Sophomores (30-59.9 units) below 1.70
- Juniors (60-89.9 units) below 1.85
- Seniors (≥90 units), post-baccalaureate students seeking a second bachelor's degree below 1.95
- Unclassified post-baccalaureate graduate below 1.95

## Academic Probation and Disqualification (Graduate)

Graduate students, including those who are classified or conditionally classified, and credential seeking students will be placed on academic probation if their Cal Poly Humboldt cumulative grade point average falls below a 3.0 (B grade average). A graduate coordinator may also notify a student of academic probation or disqualification for failure to maintain a GPA of 3.0 or better in all courses taken to satisfy the requirements of the degree. Graduate students may be placed on probation and/or disqualified for failure to make adequate progress in the program, as defined by the requirements and policies of individual programs, by recommendation of the program faculty and graduate coordinator, and action of the graduate dean.

While on academic probation, if a graduate student or a credential student's cumulative GPA at Cal Poly Humboldt is below a 3.0 for a second consecutive term, the student will be academically disqualified.

## Absence Periods and Reinstatement

Disqualified students will not be allowed to register unless they are formally reinstated and/or readmitted to the university.

Regularly enrolled students who are academically disqualified from the university are not eligible to enroll in coursework through Extended Education.

### Undergraduate and unclassified post-baccalaureate students

After the absence period, an admission application is required for reinstatement consideration. Cal Poly Humboldt reserves the right to accept applications for disqualified students during specified application terms only. Please contact the Office of Admissions for more information.

First Disqualification: Student must take off a minimum of one semester before reapplying.

Second Disqualification: Student must take off a minimum of a full year before reapplying. Students may be required to take additional time off, or complete courses at a different institution before being readmitted.

Third Disqualification: No option to reapply to Cal Poly Humboldt. May complete coursework elsewhere and reapply to a different CSU campus.

### Graduate and credential students

First Disqualification: Students may be immediately reinstated to the university given a positive recommendation from the graduate program including an agreement by a graduate faculty member to serve as the student's advisor submitted to the Graduate Studies Office.

Second Disqualification: Student must take a minimum of one semester off before reapplying. Students may be required to take additional time off. Students may be readmitted to the university given a positive recommendation from the graduate program including an agreement by a graduate faculty member to serve as the student's advisor. Students will be required to provide a letter with a statement describing the reasons for the academic probation and a plan to address the underlying problems in order to increase the likelihood of success. Both documents will be forwarded to the Graduate Studies Office for processing. After the

absence period, an admission application is required for reinstatement consideration. Cal Poly Humboldt reserves the right to accept applications for disqualified students during specified application terms only. Please contact the Office of Admissions for more information.

Third Disqualification: No option to reapply to Cal Poly Humboldt. May complete coursework elsewhere and reapply to a different CSU campus.

## **Financial Aid and Veterans Educational Benefits Recipients**

Financial aid and veterans educational benefits have satisfactory academic progress criteria that can affect aid eligibility. Baccalaureate and post-baccalaureate level veterans and eligible dependent students will be placed on veteran's academic probation if their cumulative grade point average at Cal Poly Humboldt falls below a 2.00. Veterans and eligible dependents are permitted a maximum of two semesters on probation before their benefits will be terminated due to unsatisfactory academic progress. Contact Veterans Enrollment and Transition Services for information regarding veterans educational benefit criteria. Contact Financial Aid for information regarding satisfactory academic progress standards for financial aid recipients.

## **Administrative-Academic Probation and Disqualification**

A student may be placed on administrative-academic probation for any of the following reasons:

Withdrawal from all or a substantial portion of a program of studies in two successive terms or in any three terms. (Note: A student whose withdrawal is directly associated with a chronic or recurring medical condition or its treatment is not to be subject to Administrative-Academic probation for such withdrawal.)

Repeated failure to progress toward the stated degree objective or other program objective, including that resulting from assignment of 15 units of NC (No Credit), when such failure appears to be due to circumstances within the control of the student.

Failure to comply, after due notice, with an academic requirement or regulation, as defined by campus policy which is routine for all students or a defined group of students (examples: failure to complete a required CSU or campus examination, failure to complete a required practicum, failure to comply with professional standards appropriate to the field of study, failure to complete a specified number of units as a condition for receiving student financial aid or making satisfactory progress in the academic program).

A student who has been placed on administrative-academic probation may be administratively disqualified if any of the following occur:

- The conditions for removal of administrative- academic probation are not met within the period specified.
- The student becomes subject to academic probation while on administrative- academic probation.
- The student becomes subject to administrative- academic probation for the same or similar reason that the student has previously been placed on administrative-academic probation, although the student is not currently in such status.

## **Special Cases of Administrative-Academic Disqualification**

An appropriate campus administrator in consultation with academic department, Dean of the College, and/or other appropriate parties, may disqualify a student who at any time during enrollment in a program leading to professional licensure or credential, has demonstrated behavior so contrary to the established standards and criteria of the profession for which the student is preparing as to render the student unfit for the profession. In such cases, disqualification will occur immediately upon notice to the student, which shall include an explanation of the basis for

the action, and the campus may require the student to discontinue enrollment as of the date of the notification.

Students who have been disqualified, either academically or administratively may not enroll in any regular campus session (e.g., open university), and may be denied admission to other educational programs operated or sponsored by the University.

## **Graduate Student Administrative-Academic Probation and Disqualification**

For policy specific to graduate students, see "Master's Degree Requirements".

## **Catalog Policies, Course Numbering and Terminology**

### **Catalog Rights and Continuous Attendance**

A student's catalog rights are based on when and where you begin college and how long you have been "continuously enrolled." Undergraduate students who have been enrolled either at a California Community College or a CSU campus for at least one semester or two quarters of consecutive calendar years are considered to be "in continuous attendance." A student in continuous attendance may choose to meet the requirements for graduation specified in the Cal Poly Humboldt catalog which was/is in effect:

- When the student first enrolled in any CSU or California community college,
- When the student first enrolled at Humboldt, or
- When the student graduates.

Students changing their major or minor may be required to complete the major or minor requirements in effect at the time of the change.

### **Changes of Rules and Policies in the Catalog**

Although every effort has been made to assure the accuracy of the information in this catalog, students and others who use this catalog should note that laws, rules, and policies change from time to time and that these changes may alter the information contained in this publication. Changes may come in the form of statutes enacted by the Legislature, rules and policies adopted by the Board of Trustees of the California State University, by the chancellor or designee of the California State University, or by the president or designee of the campus. It is not possible in a publication of this size to include all of the rules, policies and other information that pertain to students, the institution, and the California State University. More current or complete information may be obtained from the appropriate department, school, or administrative office.

Nothing in this catalog shall be construed as, operate as, or have the effect of an abridgment or a limitation of any rights, powers, or privileges of the Board of Trustees of the California State University, the chancellor of the California State University, or the president of the campus. The trustees, the chancellor, and the president are authorized by law to adopt, amend, or repeal rules and policies that apply to students. This catalog does not constitute a contract or the terms and conditions of a contract between the student and the campus or the California State University. The relationship of students to the campus and the California State University is one governed by statute, rules, and policy adopted by the legislature, the trustees, the chancellor, the presidents and their duly authorized designees.

### **Course Numbering System**

001-099 - pre-baccalaureate courses. Credit earned for pre-baccalaureate courses does not count toward unit requirements for major, general education or degree.

100-199 - lower division courses appropriately taken in the freshman year, with numbers 100-109 reserved for courses satisfying lower division general education (GE) requirements in breadth areas A-F. Exception: world language courses numbered 105.

200-299 - lower division courses appropriately taken in the sophomore year, with numbers 200-209 reserved for courses satisfying lower division general education (GE) requirements in breadth areas A-F.

300-399 - upper division courses appropriately taken in the junior year, with 300-309 reserved for upper division courses meeting GE requirements in breadth areas B, C and D

400-499 - upper division courses appropriately taken in the senior year.

500-599 - graduate level courses which may be taken by qualified seniors on an elective basis

600-699 - graduate level courses open only to graduate students

700-799 - credential/licensure courses

Reserved Numbers 180, 280, 380, 480, 580, 680, and 780 indicate special topics courses on current issues or specialized subjects offered on an as needed basis. Course descriptions are published in the class schedule.

Letter suffixes are used to distinguish between courses assigned the same number and may also indicate a sequence, course attribute, or component. Courses lasting two or more terms have sequential numbers, not letter suffixes.

Letters B, C, E, F, G, H, I, J, K, N, O, P, Q, T, U and V are used to distinguish between courses assigned the same number. Courses may or may not be part of a sequence.

The letter S indicates that a course includes a service learning component.

Letters W, X, Y and Z are used for a sequence of courses that meet a general education requirement. Limitations: the entire sequence must be completed before any units will count toward the requirement, and not all the units earned for the sequence will count toward the requirement, only the number specified (usually 3 units).

Activity (A), discussion (D), laboratory (L), additional for major (M), and research courses (R) associated with a lecture will have the same number as the appropriate lecture course, plus the appropriate letter suffix. Courses may be offered independently from the lecture.

## Terminology

College: an administrative division of the university that houses a number of academic departments. Cal Poly Humboldt has four colleges: the College of Arts, Humanities, and Social Sciences; the College of Extended Education & Global Engagement; the College of Natural Resources & Sciences; and the College of Professional Studies.

Co-listed: courses are identical in content with undergraduate and graduate students meeting together in one classroom with the same instructor. However, the course requirements will be different for the undergraduate and graduate students. The courses are offered by the same department. Both courses have the same prefix, with a 400-level course number for the undergraduate course and a 500-level course number for the graduate course. If one of a co-listed pair is taken for credit, the other may not be taken for credit at a later time.

Concentration: a significant subdivision of a major that appears on a student's transcript, but not on the diploma.

Cross-listed: two or more identical courses offered with different prefixes. The course number, title, units, component(s) and description are the same. Cross-listed courses may be offered by the same department or different departments.

Department: an organizational division that offers and administers academic programs. The name of the department usually matches the program it administers, but not always. For example, the Political Science major is offered by the Department of Politics.

Discipline: a conventional academic perspective or area of study. Chemistry, psychology, and biology, for example, are disciplines at Cal Poly Humboldt.

Electives: Courses that are not used to meet specific major, general education, or graduation requirements, but can be used to complete the total units required for a degree.

Emphasis: a subdivision of a concentration or major that does not appear on a student's transcript or diploma.

Freshmen: Refers to the first year of study for bachelor's degree. Students who have completed less than 30 semester units are classified as freshmen.

Juniors: Refers to the third year of study for a bachelor's degree. Students who have completed 60-89.9 semester units are considered juniors.

Major: a primary area of study.

Minor: a secondary area of study that may or may not be related to a major.

Program: a set of requirements met by certain courses. Programs may be associated with one or more academic departments.

Seniors: Refers to the final year of study for a baccalaureate (bachelor's) degree. Students who have completed 90 or more semester units are considered seniors.

Sophomores: Refers to the second year of study for a bachelor's degree. Students who have completed 30-59.9 semester units are classified as sophomores.

Units: The number of units indicate how much time a course will meet and the minimum out-of-class student work required. The minimum amount of time students should spend per 1 unit of credit is 45 hours. The proportion of time spent with the instructor (in class) varies with instruction mode. Some examples are: 1 unit of lecture equals 50 minutes in class and requires a minimum of 2 hours out-of-class student work each week for approximately 15 weeks; 1 unit of laboratory equals 150 minutes in class each week for approximately 15 weeks, with most work done in the lab. See Credit Hour for additional details.

## Credit by Examination/Non-Collegiate Instruction

### Challenge a Course

Students may challenge courses by taking examinations developed at Cal Poly Humboldt. Credit shall be awarded to those who pass them successfully. A Credit by Examination form must be submitted to the Office of the Registrar, SBS 133, during the first two weeks of the semester. Do not register for the class you would like to challenge.

Not all courses are available to be challenged. The instructor of the course and the department chair must first approve the credit by exam. Approval by the department chair and the instructor will be based upon consideration of preparation and background, the nature of the work to be covered, and the availability of qualified staff members to give the examination. Units earned by examination will not count toward the residency requirement at Cal Poly Humboldt. Persons challenging courses must be enrolled in other courses as matriculating students. Applications for internal credit by examination are available from the Office of the Registrar, SBS 133

### Credit by External Exam (AP, CLEP, DLPT, DSST, IB)

Cal Poly Humboldt may grant credit for passing scores on external examinations such as Advanced Placement (AP), the College-Level Examination Program (CLEP), United States Department of Defense's Defense Activity for Non-Traditional Education Support (DANTES) program (DSST), and International Baccalaureate (IB) exams. No more than 30 semester units of such credit may apply to a baccalaureate degree (Advanced Placement (AP) and International Baccalaureate (IB) credits are excluded from this limit). If the content covered by an examination duplicates other credit awarded, the units will be adjusted from the amount indicated.

## Advanced Placement (AP)

Cal Poly Humboldt grants credit toward its undergraduate degrees for successful completion of examinations of the Advanced Placement Program of the College Board. Students who present scores of three or better will be granted up to 6 semester units (9 quarter units) of college credit. A student may take an unlimited number of Advanced Placement exams and apply all to the baccalaureate degree. Scores of 3-5 are required for credit to be granted. Credit is based on when the examinations were taken. The Advanced Placement Examination Credit table shows the total credit in semester units, GE credit and/or course equivalency for exams completed beginning Fall 2010. Refer to earlier catalog years for full details.

## CLEP Examinations

No more than 30 semester units of credit for external examinations may apply to a baccalaureate degree (Advanced Placement (AP) and International Baccalaureate (IB) credits are excluded from this limit). The CLEP Examination Credit table shows the total credit in semester units, GE credit and/or course equivalency for exams completed beginning Fall 2010. Refer to earlier catalog years for full details.

## Defense Language Proficiency Test (DLPT)

### Passing Scores

Utilizing the American Council on Education (ACE) recommendations as described below, three lower division semester hours for language shall equate to three semester units in CSU GE Breadth Subarea C2 Humanities. When assigning academic credit using the DLPT, campus articulation officers and credit transfer evaluators should refer to the ACE National Guide to College Credit for Workforce Training website. This ACE online guide organizes foreign language test scores and credit recommendations by language, version of test and modality of language. The Guide then provides lower and upper division credit recommendations based on the DLPT test score in the following modalities: listening, reading, and oral.

## DSST Examinations

Students who present minimum scores per the DSST Examination Credit table will be granted 3 semester units of college credit. No more than 30 semester units of such credit may apply to a baccalaureate degree (Advanced Placement (AP) and International Baccalaureate (IB) credits are excluded from this limit).

## International Baccalaureate Exams

A student may take an unlimited number of International Baccalaureate exams and apply all to the baccalaureate degree. Credit is based on when the courses were taken. The International Baccalaureate (IB) Exam Credit table shows the total credit in semester units, GE credit and/or course equivalency for exams completed beginning Fall 2010. Refer to earlier catalog years for exams completed prior to Fall 2010.

## Credit for Non-Collegiate Instruction

Cal Poly Humboldt grants undergraduate degree credit for successful completion of non-collegiate instruction, either military or civilian, appropriate to the baccalaureate degree, which has been recommended by the Commission on Educational Credit and Credentials of the American Council on Education. The numbers of units allowed are those recommended in the Guide to the Evaluation of Educational Experience in the Armed Services and the National Guide to Educational Credit for Training Programs.

The National Guide to Educational Credit for Training Programs recommends the number of units allowed. Appropriate documentation of instruction/coursework must be submitted to the registrar through the Office of the Registrar before credit can be awarded.

## Military Credit

Students may earn general education and elective credit for one year of active military service with an honorable discharge by filing a copy of their Member 4 DD214 with the Veterans Enrollment & Transition Services (VETS) office. Students may earn credit for education and training courses completed in the military based on recommendations by the American Council on Education. Cal Poly Humboldt will maintain a written record of the previous education and training of veterans and eligible persons, the Degree Audit Report will clearly indicate that credit has been granted when applicable, per 21.4253. Students are required to submit a military registry transcript to VETS. Contact Veterans Enrollment & Transition

## Credit Hour

On July 1, 2020, the United States Department of Education changed its definition of the student credit hour. Fundamentally, the change now shifted responsibility for credit hour compliance to the accreditation agency and/or to the state.

As such, the CSU's accreditor, the WASC Senior College and University Commission (WSCUC), has published its own updated definition of student credit hour and related accreditation processes. The new regulations no longer require an accrediting agency to review an institution's credit hour policy and procedures. It does require the WSCUC to review the institution's definition of credit hour and an institutions' processes and policies for ensuring the credit hour policy is followed.

The CSU credit hour definition is consistent with federal law (600.2 and 600.4 revised July 1, 2020) and the requirements of the WSCUC. The CSU defines a credit hour as an amount of work represented in stated learning outcomes and verified by evidence of student achievement. Such evidence is an institutionally established equivalency that:

1. Approximates not less than:
  - One hour of direct faculty instruction and a minimum of two hours of out-of-class student work each week for approximately 15 weeks for one semester or equivalent amount of work over a different amount of time; or
  - At least an equivalent amount of work as required in paragraph 1.a. of this definition for other academic activities as established by the institution including laboratory work, internships, practica, studio work and other academic work leading to the award of credit hours; and
2. Permits an institution, in determining the amount of work associated with a credit hour, to take into account a variety of delivery methods, measurements of student work, academic calendars, disciplines and degree levels. Institutions have the flexibility to award a greater number of credits for courses that require more student work.

As in the past, a credit hour is assumed to be a 50-minute (not 60-minute) period. In some courses, such as those offered online, in which "seat time" does not apply, a credit hour may be measured by an equivalent amount of work, as demonstrated by student achievement.

For purposes of accreditation, all CSU campuses are required to develop, communicate and implement procedures for regular, periodic review of this credit hour policy to ensure that credit hour assignments are accurate, reliable and consistently applied. WSCUC published new draft guidelines that took effect in June 2021. Campuses are responsible for publishing a clearly stated practice or process that ensures they are in compliance with the student credit hour definition.



# Leave of Absence (Educational Leave)

## Eligibility and Terms

Students should request a leave of absence (educational leave) if they need to be absent from the university for a semester. All students must attend at least one term prior to requesting a leave of absence. A leave of absence maintains continuing student status. This allows students to maintain catalog rights and eligibility to enroll for the term immediately after the expiration of the leave without reapplying to the university. While on leave a student is not considered enrolled and is not eligible for any services from the university. Students will be notified of registration information and deadlines for the term they are to return to Cal Poly Humboldt via their university email address.

A leave of absence may be requested for one or two terms and may be extended for two additional terms (for a maximum of four terms) under special circumstances. Students who do not enroll in classes following the end of a leave of absence will be discontinued from the university. See Returning Students in the Admissions section of this catalog.

Leave of absence forms for undergraduate students, as well as post-baccalaureate students pursuing a second bachelor's degree, are available on the Office of the Registrar Forms and Policies webpage or from the Office of the Registrar (SBS 133). Forms and instructions for graduate students, including those who are classified or conditionally classified are available on the Graduate Studies website - Forms and Policies.

# Grades and GPA

## Final Academic Record

After a student's degree is awarded, the academic record (i.e. the transcript) is final and no further changes, additions, adjustments, or amendments will be considered other than corrections of data-entry errors. Students are advised to verify all appropriate grade changes, GPA adjustments, and petitions have been filed and processed prior to their final semester.

## Grade Appeals

Consistent with CSU Executive Order 1037, Cal Poly Humboldt has adopted policies that provide for the redress of student concerns about certain academic decisions made by faculty. The following procedures, which implement said policies, are established pursuant to authority assigned to the Grade Appeal Committee and are administered by the Office of the Vice President for Academic Affairs. Students may elect to use these procedures when they are unable to resolve academic disputes with members of the faculty. The Grade Appeal Policy is available on the Cal Poly Humboldt Policies website.

The purpose of this policy is to establish fair and equitable means by which students may appeal assigned course grades and other academic decisions. Complaints other than discrimination or unprofessional conduct against faculty, staff, or administrators by students should follow the procedures outlined in the Grievance Policy and Procedures for Students (University Management Letter 00-01). Charges of discrimination, harassment, or retaliation filed by students or applicants for admission to the University are addressed in a separate policy accessible on the University's Title IX and Discrimination, Harassment, and Retaliation webpage.

## Grade Processing

Grades may be viewed in Student Center. Grades for fall semester are available in January; spring grades are available at the end of May; summer grades are available in mid-August. Grades are not sent by mail or email.

# Grading Symbols and GPA Calculation

## Letter Grades

Grades of A and A- indicate outstanding achievement of course objectives. Grades of B+, B and B- indicate very good, commendable achievement of course objectives. Grades of C+, C and C- indicate satisfactory achievement of course objectives. Grades of D+ and D indicate minimum performance. A grade of F indicates failure without credit.

## AU (Audit)

An AU grade refers to the student's status as an auditor. See "Auditing a Course" under Academic Regulations in this catalog for further details. Auditing a course does not earn academic or degree credit.

## CR (Credit)

A grade of CR indicates satisfactory achievement of course requirements. Does not affect GPA calculation.

## Credit Policy

A maximum of 24 semester units of credit graded (mandatory and/or optional) courses taken at Cal Poly Humboldt will be counted toward the bachelor's degree. Courses used to fulfill major requirements may not be taken on an optional credit/no credit grade basis. Check with your academic advisor for more information. Students may take only one optional CR/NC course per semester at Cal Poly Humboldt.

## Evaluating Credit

For an undergraduate, unclassified post-baccalaureate, and second bachelor's degree student, credit is equivalent to a passing grade (A, B, C, or C-). For a graduate student who is in a master's degree program, or a credential-seeking student, credit is equivalent to a passing grade (A, B, or B-).

## I (Incomplete)

The grade "I" indicates that a portion of required coursework has not been completed and evaluated in the prescribed time period due to unforeseen, but fully justified reasons, and that there is still a possibility of earning credit. It is the responsibility of the student to bring pertinent information to the attention of the instructor and to determine, from the instructor, the remaining course requirements which must be satisfied to remove the Incomplete. The instructor of the course will complete an Authorized Incomplete form, available online via the Faculty Center. Students accept the Incomplete Contract in their Student Center. The date by which the course is to be completed will be stated; however, no more than one year from the time the class ended will be allowed to complete the requirements (except due to special circumstances as approved by instructor and submission of an Extension of the One-Year Time Limit for Removal of an Incomplete Grade). Either the instructor will change the Incomplete to an appropriate grade or it will administratively be changed to either a letter grade of F (Failure) and will be included in the student's grade point average or to a grade of NC (No Credit) depending on the grade mode of the course. An extension of the one-year time limit (maximum of one additional year) may be granted by petition for circumstances beyond a student's control. The petition must be submitted by no later than the last Friday of classes during the semester the incomplete is set to expire. [Once a final grade is assigned to the course, students are NOT eligible for an extension; a student has the option of repeating the course, subject to the limits of the repeat policy.]

## NC (No Credit)

NC indicates unsatisfactory achievement of course requirements. For an undergraduate, unclassified post-baccalaureate, and second bachelor's degree student, No credit is equivalent to a D+ or lower. For a graduate student who is in a master's degree program, or a credential-seeking student, no credit is equivalent to a C+ or lower. This grade is not used in grade point calculation. Although NC does not affect GPA calculation,

some universities and many graduate schools interpret an NC grade as an F.

### Evaluating No Credit

For an undergraduate student no credit is equivalent to a D+ or lower. For a graduate student who is in a master's degree program, or a credential-seeking student, no credit is equivalent to a C+ or lower.

### RD (Report Delayed)

RD is assigned by the Registrar and indicates that due to circumstances beyond the control of the student, a grade has not been reported to the Office of the Registrar.

### RP (Report in Progress)

RP is used in conjunction with thesis project and other courses where work assigned extends beyond one academic term. The RP indicates that work is in progress but that assignment of a final grade must await completion of additional work. RP is not included in the student's grade point average. Work is to be completed in one year except for master's thesis courses. Master's thesis courses with an RP grade must be completed within seven years from the end of the term in which it was assigned. If an undergraduate student does not complete the coursework within one year, the RP grade will be administratively changed to a grade of F (Failure) and will be included in the student's grade point average or to a grade of NC (No Credit) depending on the grade mode of the course. If a graduate student does not complete the coursework within seven years, the RP grade will be administratively changed to a grade of F (Failure) and will be included in the student's grade point average or to a grade of NC (No Credit) depending on the grade mode of the course.

### W (Official Withdrawal)

The grading symbol "W" on the transcript indicates the student was permitted to withdraw from the course after the deadline with an approved and documented reason. This grading symbol carries no connotation of quality of student performance and is not used in calculating grade point average. If a student withdraws completely from Cal Poly Humboldt, an instructor has the right to override a W with an F or NC, depending on the grade mode of the course. Effective fall 2009, students are only permitted to withdraw (serious and compelling reasons) from 18 semester units. Students who find it necessary to withdraw after enrolling must follow official withdrawal procedures by filing a request with the Office of the Registrar. For additional information, see Withdrawal from the Institution.

### WU (Unauthorized Withdrawal)

Unauthorized Withdrawal (WU): The grading symbol "WU" indicates that an enrolled student did not follow the procedures to officially withdraw from the course and also failed to complete course requirements. It is used when, in the opinion of the instructor, completed assignments or course activities or both were insufficient to make normal evaluation of academic performance possible. For purposes of grade point average and progress point computation this symbol is equivalent to an "F".

#### Petition for Grade Forgiveness of First "WU" Grade(s)

In the first semester that an undergraduate student receives one or more "WU" grades at Cal Poly Humboldt, the student may petition the Office of the Registrar to apply grade forgiveness to the "WU" grade. With grade forgiveness, the "WU" grade remains on the student transcript, however the grade(s) are excluded from the GPA calculations.

- The undergraduate student may petition the Office of the Registrar at any time prior to degree awarding. After the degree has been awarded, petitions will not be considered.
- Petitions will only be considered for the first term a student receives one or more "WU" grades at Cal Poly Humboldt. Petitions will not be permitted in subsequent semesters and does not apply to grades received at other institutions.

- These units will not be considered "repeat units" as specified in systemwide repeat policy (undergraduate students may still repeat up to 16 semester units with grade forgiveness, plus an additional 12 units with grade averaging)..

### # (No Academic or Degree Credit)

The # symbol following a grade on the student's transcript or in the Degree Audit Report for Students (DARS) indicates courses that do not earn academic or degree credit.

### Grade Point Values and GPA Calculation

| Grade | Grade Points | Used in GPA Calculation                 |
|-------|--------------|-----------------------------------------|
| A     | 4.0          | Yes                                     |
| A-    | 3.7          | Yes                                     |
| B+    | 3.3          | Yes                                     |
| B     | 3.0          | Yes                                     |
| B-    | 2.7          | Yes                                     |
| C+    | 2.3          | Yes                                     |
| C     | 2.0          | Yes                                     |
| C-    | 1.7          | Yes                                     |
| D+    | 1.3          | Yes                                     |
| D     | 1.0          | Yes                                     |
| F     | 0.0          | Yes                                     |
| AU    | 0.0          | No                                      |
| CR    | 0.0          | No                                      |
| I     | 0.0          | No (see Incomplete for details)         |
| NC    | 0.0          | No                                      |
| RD    | 0.0          | No                                      |
| RP    | 0.0          | No (See Report in Progress for details) |
| W     | 0.0          | No                                      |
| WU    | 0.0          | Yes                                     |

### Semester Honors

#### Dean's List

An undergraduate student who completes at least 12 graded (A-F) units with a minimum term grade point average of 3.50 is designated on the Dean's List. This designation appears on the student's academic transcript.

#### Presidential Scholar

An undergraduate student who completes at least 12 letter graded units with a minimum term grade point average of 3.85 is designated a Presidential Scholar. This designation appears on the student's academic transcript.

## Graduation and Honors

### Commencement

Commencement ceremonies take place twice per academic year on the Saturday following spring semester final exams and the Friday of Fall semester final exams week. Each college hosts its own ceremony. Information about the ceremony is available on the Commencement website.

### Graduation, Applying for

The university does not automatically grant academic degrees upon completion of degree requirements. Students pursuing a bachelor's degree may apply for graduation any time after they have reached junior standing (earned 60 units), and it is strongly recommended they apply at least three semesters before they expect to complete all degree requirements. For most students this will be early in their junior year. If a student has not applied to graduate by the time they have reached senior standing (earned 90+ units) a hold will be placed on future registration until the application is received. It is recommended that students pursuing

master's degrees apply for graduation at least one semester before finishing all degree requirements. Applying on time ensures that students receive their degree checks in time for adequate planning and advising for the final semester(s) of enrollment. Application deadlines are published on the Office of the Registrar's website. After the deadline a \$10 late fee will be assessed.

Undergraduate students apply for graduation via Student Center. Forms for graduate students are available from the Office of Academic Programs & Undergraduate/ Graduate Studies. Graduation processing fees are posted to the students account.

Applying for graduation initiates the degree evaluation process, participation in commencement, diploma ordering and commencement booklet publication. An official degree check is prepared by the Office of the Registrar. The degree check summarizes how degree requirements have been satisfied and lists remaining requirements for graduation. The degree check is emailed to the student and their academic advisor. Students are encouraged to come to the Office of the Registrar if they have any questions about their degree check or, if they wish, to receive an update on their progress towards their degree objective.

Students are not eligible to register for the term following the expected graduation date without first reapplying to the university as a post-baccalaureate student or deferring the expected date of graduation.

After semester grades are processed, degree checks are reviewed for all candidates for graduation for that term. If all degree requirements are satisfied, the degree is posted to the student's academic record and a diploma is sent shortly thereafter. If any requirements remain unsatisfied, an email outlining the deficiency is sent to the student. Should the student need to postpone graduation after the expected date of graduation has passed, a reapplication fee is required.

## Honors and Distinction

### Graduation with Distinction (Graduate)

Master's candidates awarded the Patricia O. McConkey Award in their program will graduate with distinction. Students who participate in commencement, but who have not completed their culminating experience requirement may be nominated for the award the following semester.

### Graduation with Honors (Undergraduate)

Cal Poly Humboldt awards honors to undergraduate students at the time of graduation, based on the criteria below. Honors are printed on the diploma and on official transcripts.

- Completion of 30 units in letter-graded coursework in residence at Cal Poly Humboldt
- A minimum GPA of 3.50 on all work taken at Cal Poly Humboldt
- An overall minimum GPA of 3.50 on all work attempted

The overall grade point average (including both transfer and Cal Poly Humboldt coursework) determines which honors the student receives at graduation:

- Summa Cum Laude 3.85 to 4.00
- Magna Cum Laude 3.70 to 3.84
- Cum Laude 3.50 to 3.69

See Semester Honors for information about the Dean's List and Presidential Scholar designations.

### Honors (Second-baccalaureate Degree Candidates)

When computing grade point averages for honors purposes, all undergraduate units from Cal Poly Humboldt and transfer colleges will be considered, plus the Cal Poly Humboldt post-baccalaureate units.

## Majors and Minors, Policies

### Credit/No Credit

Mandatory Credit/No Credit. Some courses are offered only credit/no credit - no letter grades. These include activity courses, thesis projects, field projects, independent study courses, and specialized courses.

Optional Credit/No Credit. In some courses, students choose between taking a letter grade or credit/no credit. A student choosing the credit/no credit option must do so by the eighth week of classes; otherwise, the student will receive a letter grade. Students may take only one optional CR/NC course per semester at Cal Poly Humboldt. See Bachelor's Degree Requirements and Master's Degree Requirements for information on credit/no credit unit limits.

### Declare a Major

It is recommended that students declare a major at the time of application to the university. Students must declare a major by the time they have earned 45 units.

### Double Major (Second Major)

Students may earn a bachelor's degree with two majors by completing the requirements for both programs. Although both majors appear on the permanent record, the student receives one degree. Students may request a second major only if they meet the following criteria:

- Declare second major before earning 90 units; and
- Demonstrate that they can graduate with both majors completed in fewer than 140 total units.

Students who choose to complete a second major and cannot complete the required courses in less than 140 units may submit a request for an exception to the department chair and college dean.

### Major Changes

Undergraduate students who wish to request a major change must file the appropriate form with the Office of the Registrar, SBS 133. The required signatures must be obtained from the department before the forms are filed. Some departments may have additional requirements.

Graduate students should contact Academic Programs & Undergraduate/Graduate Studies, SH 217A for information on changing their major.

Students are not permitted to change majors after they have earned 90 units unless the new major can be completed in less than 140 total units. Students who choose to change majors and cannot complete the required courses in less than 140 units may submit a request for an exception to the department chair and college dean using the Major Change Request for Seniors.

### Minors

The minor is similar to the major but less comprehensive, consisting of 15-30 units, with at least 6 units at the upper division level. A GPA of 2.0 (C) or better is required. Courses used for a minor can also be used for general education. Students may add, drop or change their minor using the Declare or Update Minor e-form.

Students are generally prohibited from earning a major and minor from the same degree program. Exceptions can be made in major and minor combinations in which: [1] at least 9 units required for the minor are not already required for the major. In cases where there are "concentrations" within the major, a student must take the concentration such that at least 9 units for the minor are not counted towards the requirements of the major, and [2] the major and minor must have different titles.

A minor must be completed in conjunction with a degree or credential program. A minor cannot be posted if completed after the degree has been awarded. Minors are recorded on the student's transcript. Diplomas do not list minors.

# Registration and Attendance

## Academic Advising

At Cal Poly Humboldt, academic advisors play a vital role in a student's educational experience using a developmental academic advising approach. Developmental academic advising is an intentional process that facilitates students' academic, professional, and personal development. Using student development theory to establish learning outcomes, advisors help students get the most out of their college experience. By honoring students' identities and lived experiences, they connect students to campus and community resources, provide information about opportunities to enhance their education (e.g. study abroad, internships) support timely progress to degree, and discuss how students can integrate their education into their personal and professional goals. Students are encouraged to meet with their advisor throughout the academic year and must meet at least once a semester to review their 3-semester DARS degree plan and to facilitate registration for their next term. Additional information is available on the Academic & Career Advising Center website. Students who wish to change their major advisor may complete an Advisor Change e-form.

Cal Poly Humboldt is in the process of transitioning to professional academic advisors for all first- and second-year students with students in their third year and beyond assigned to a faculty academic advisor in their major. Pre-professional advising for admission to health science professional schools (including medical, dental, veterinary, optometry, and pharmacy) is available from designated faculty in the Biological Sciences and Chemistry departments. See Preparatory Courses of Study for Pre-Law and Pre-Professional Health. Additional information is available on the Pre-Professional Health Programs webpage. Information about pre-law advising is available on the Pre-Law Program webpage.

## Add or Drop Courses (Schedule Adjustments)

Students may view an updated list of open, cancelled, and closed classes on the Class Schedule webpage. Schedule adjustments may be made via Student Center during the first two weeks of instruction.

## Adding Courses

During the first two weeks of classes, all adds can be done by the student via Student Center. Instructor approval is not required for students to enroll in open classes during the first week of instruction, except for those that require special approval. Instructor approval is required (with a permission number) for students to enroll in any class during the second week of instruction. A \$20 fee per course is assessed.

Courses cannot be added after the second week of classes (see Academic Deadlines). After the second week, approval to add courses will only be considered if verification that the course is necessary for the student to graduate at the end of the current semester is provided. Instructor, department chair, and college dean signatures are required.

When adding courses with lecture, lab and/ or activity/discussion links, all courses/ sections must be added in Student Center.

## Dropping Courses

When dropping a course that requires a lab or activity, both the lecture and the lab/activity must be dropped at the same time.

As a matter of university policy, the instructor in the course may opt to drop a student upon absence from a class lab session within the first week of classes. Ultimately, it is the responsibility of the student to drop the course via the web. (See "Attendance" in the Academic Regulations section of this catalog.)

During the first two weeks of instruction, students may drop a class from their schedule via Student Center. After the first two weeks of classes, permission to withdraw with a documented serious and compelling reason must be approved. A \$20 fee per course is assessed.

Students can only withdraw from a maximum of 18 units. Withdrawal from courses for reasons that are catastrophic, such as accident or serious illness, do not count toward the 18-unit limit. A "W" grade is recorded on the academic record and a \$20 fee will be charged per course. The final drop deadline is the end of the tenth week of classes (see Academic Deadlines).

A student is not permitted to withdraw from any classes during the last five weeks of instruction or later except in cases where the cause of withdrawal is due to circumstances clearly beyond the student's control and the assignment of an incomplete grade is not practicable. Approval for requests for course withdrawals during the final five weeks of the semester are seldom granted. Such withdrawals from courses will not count towards the total of 18 permitted semester units of withdrawn courses.

Note: When you drop all of your classes using Student Center (during the first week of instruction), the information is relayed to the Office of the Registrar. You will be withdrawn from the university. The date on which the drop process is completed is the effective date used for official records in the Office of the Registrar, Financial Aid Office, and Student Financial Services. Many students, however, must also complete various exit procedures with offices on campus. We strongly encourage students that are considering withdrawing to visit the Office of the Registrar or the Academic & Career Advising Center, GH 114, for a full discussion of the withdrawal procedure. Following the complete withdrawal procedure ensures that outstanding issues are dealt with in advance of leaving the university. See Withdrawal from Cal Poly Humboldt for more information.

## Attendance

Cal Poly Humboldt expects attendance at every class meeting. Students who have been absent from a class or lab session within the first week of instruction may be dropped from the course for non-attendance by the instructor no later than the end of the second week of instruction. Not all instructors will drop students on the basis of non-attendance. Students are responsible for ensuring the correct courses are on their schedules prior to the add/drop deadline. Failure to drop the course officially will result in a grade of "WU" or "F" being submitted by the instructor. A "WU" withdrawal unauthorized has a grade point of 0.0 (same as an "F" grade) and is used in calculation of GPA.

## Audit a Course

Humboldt permits students to audit only after those otherwise eligible to enroll on a credit basis have had opportunity to do so. There is no limit to the number of courses a student can petition to audit within a term. Students who wish to audit a course need to register for the courses and complete an Audit Petition to obtain approval from the instructor of the course. Courses audited must be paid for following the same fee structure as courses in which a student is normally enrolled. The Audit Petition must be approved by the instructor and have the fees paid. The petition must be returned to the Office of the Registrar, SBS 133, by the twentieth day of instruction (census).

Once enrolled as an auditor, a student may not change to a credit status unless the change is requested no later than the last day to add a course. An AU grade for the audited course will appear on the permanent record. There are no grade points earned nor are the units counted in earned, attempted or GPA hours. Audited courses are not eligible for inclusion in the determination of full/part-time status in the awarding of financial aid.

## Cancelled Classes

Classes scheduled to be offered by the colleges of Cal Poly Humboldt are listed in the class schedule. Cal Poly Humboldt reserves the right to cancel, postpone, divide, change the time of, combine scheduled classes, and/or change instructors.

## Enrollment Limitations and Course Load

The CSU may impose unit limitations on a term-by-term basis. Check with the Office of the Registrar's website for the most up-to-date information.

Due to their academic standing, some students are limited to enrolling in no more than 12 units. Advisors cannot change units for these students. These students should contact the Office of the Registrar, SBS 133, for information on their unit limit.

## Full-Time Status

A normal course load is 15 units for undergraduates to ensure timely progress towards the bachelor's degree. Undergraduates taking 12 or more semester units, graduate students taking 9 or more semester units, or post-baccalaureate students taking 12 or more semester units are enrolled full-time for student verification purposes.

## Half-Semester or Less Courses

To allow for flexibility in scheduling, departments may offer courses at various times during the semester on a ten-week, seven-week, five-week, and weekend workshop format. For purposes of adding and dropping, courses must be added and/or dropped by the deadlines listed in Activities & Deadlines.

## Holds

Holds can prevent registration, adding and dropping classes, obtaining grades, or graduating. It is recommended that students check their Student Center at least five days prior to their registration starting time in order to have time to clear any holds that may prevent registration. To view any possible holds, log in to the myHumboldt campus portal. Once logged in, click on the Student Center icon. The Holds section is in the upper right-hand corner of your screen.

Holds are placed on a student's account for various reasons, including money due to the university, library fines, outstanding/ dishonored checks, lost key charges, immunization requirements not being met, admission requirements not being met, and more. Students should contact Student Financial Services, SBS 285, regarding financial obligations. The Student Health Center should be contacted regarding immunization requirements. The Office of the Registrar, SBS 133, should be contacted regarding academic and records-related holds.

A hold is placed on a student's registration and schedule adjustment for a financial obligation greater than \$199 and less than 720 days old owed to the university or for other administrative reasons. Students are responsible for resolving any holds placed on their registration.

## Registration

Students view their enrollment appointment and register for classes online through Student Center. Continuing students generally enroll during November for the spring semester and April for the fall semester. New, transfer, and returning students have the opportunity to register following the first part of orientation, typically in late June to August. Students should refer to their admission letter, the Office of the Registrar's website and/or the Student Center help website for registration information and instructions.

## Priority and Scheduling of Registration

Students shall be allowed to register in the following order:

### Group 1. Priority Students.

Category A. Students with disabilities and registered with the Student Disability Resource Center (SDRC) who would not otherwise achieve their academic goals within a reasonable period of time due to an ongoing disability.

Category B. Students who participate in intercollegiate sports governed by the NCAA.

Category C. Students who would not otherwise achieve their academic goals within a reasonable period of time because they participate in an ongoing, university-sanctioned activity that significantly benefits the university. (See Procedures, Section A.3. for general eligibility criteria.) The coordinator of the activity must apply to the Academic Policies Committee (APC) on behalf of the students, for possible inclusion in Category C.

Category D. Rare and extraordinary circumstance - The Provost or Vice President for Student Affairs may grant to an individual student access to priority registration for a rare and extraordinary circumstance on a one-time basis.

Students in Group 1 will be allowed to priority register for a maximum of sixteen (16) semester credits during priority registration. Any additional desired credits may be acquired during non-priority times.

### Group 2: Graduate Students

### Group 3: Students in the credentialing program

**Group 4: All other undergraduate students:** Appointment times for this group are assigned by the number of units a student has completed. Appointments are set in descending order so that the students with the greatest number of completed units are first, and the least number of completed units follow.

### Group 5: Unclassified graduate students and transitory students

(e.g. cross-enrollees and early entrant high school students).

## Priority Registration for Student Veterans /Service Members

In accordance with the Assembly Bill 2133 and PL 115-48, California resident veterans, or those serving on active duty or in the National Guard or Reserve attending public colleges and universities are granted priority registration for classes while they are enrolled at Cal Poly Humboldt. At Humboldt student veterans, active duty, and National Guard and Reservists have priority registration for their first term and every fall, spring and summer term until graduation, regardless of the time from separation to enrollment at Cal Poly Humboldt. Eligible students must provide proof of service (i.e. a DD214 or current enlistment contract) to Veterans Enrollment and Transition Services. Priority registration is assigned at the earliest window of the applicable registration period. Note: Priority registration for a student's first term is contingent on time of matriculation to Cal Poly Humboldt, and the orientation and advising session(s) available.

## Transferring to Another Institution

For specific requirements, students should consult with the institution to which they plan to transfer. Cal Poly Humboldt is accredited by the WASC Senior College & University Commission and by the State Board of Education. This ensures that institutions accredited by the same (or similar) boards will accept student credits.

## Veterans Enrollment and Transition Services (VETS)

Student veterans and staff at Cal Poly Humboldt are committed to the academic success and career goals of our military-affiliated students. Located in the Lower Library, Room 58, we offer programs and services to assist with academic, financial, and career goals. VETS processes enrollment certifications for the Montgomery GI Bill® and processes the California Department of Veterans Affairs fee waiver. Information about veteran's education benefits, tutorial services, military credit evaluation, and the VA work-study program is also available. We have an on-campus counselor from the local Veteran Center to assist with transitional counseling. All military-affiliated students are invited to join our Student Veterans Association and become an integral part of Humboldt's student life and the veteran's community. We have signed on to the Principles of Excellence to best serve our military-affiliated population as well as the Department of Defense Memorandum of Understanding for our active-

duty members. You can find more information on the Veterans Enrollment and Transition Services website or by calling 707-826-6272.

## Repeating Courses

### Repeating Courses (Undergraduate)

With the exception of "repeatable for credit" courses (identified in the catalog with the designation "Repeatable"), undergraduate students may only repeat courses if they earned grades lower than a C. Furthermore, undergraduate students may only repeat an individual course twice, for a total of three attempts.

Undergraduate students may repeat up to 16 units with grade forgiveness, and up to an additional 12 with grade averaging. For the first 16 units of repeated courses, only the newer attempt calculates into the student's GPA and each of these attempts counts toward the 16-unit maximum for grade forgiveness. Grade forgiveness will not be allowed for a course for which the original grade was the result of a finding of academic dishonesty. Students may repeat an additional 12 units (beyond the initial 16) with "grades averaged," where both the original and new grades are included in the calculation of the student's GPA. Undergraduate students may not repeat more than 28 units total of course work. This limit applies only to units completed at Cal Poly Humboldt.

Exceptions occur in cases where an academic program on campus specifically designates that a course is repeatable so that the automatic repeat process does not take place. For instance, a course may be set up by the department to be repeatable 4 times. This means that a student may earn credit for the course a maximum of 5 times. Some courses (e.g. ART 301) have multiple topics. For grade forgiveness to apply, the same topic must be repeated.

Students should submit a petition to the Office of the Registrar, SBS 133, if special circumstances are involved.

Repeating a Cal Poly Humboldt course that was previously taken at another college may require permission from the university department offering an equivalent course (if the equivalency has not been established by an articulation agreement). Additionally, the department chair must sign a Student Petition, if applicable, which is available from the Office of the Registrar. In order to override the Cal Poly Humboldt automatic repeat policy, the student needs approval of the department chair on a Student Petition.

A student may not take a course at Cal Poly Humboldt, repeat it at another college, and then use the repeat policy to remove the Cal Poly Humboldt course from the grade point average.

The grades of I, NC, RP, RD, and W are not considered as attempts for grade point average computation. Contact the Office of the Registrar, SBS 133, regarding courses taken prior to fall semester 1996. Note: Some universities calculate all attempts of every course and ignore the undergraduate grade point average provided by Humboldt for post-baccalaureate programs (e.g. graduate level programs, law school, medical schools).

Students who are pursuing a second bachelor's degree, or who are unclassified post-baccalaureate students, are eligible to use the undergraduate repeat policy. Students should submit a petition to the Office of the Registrar, SBS 133.

### Repeating Courses (Graduate)

Graduate students may repeat courses; however, all grades will appear on the permanent record and count in the grade point average. The units earned toward the degree count only once.

## Student Identification and Email Account

### Cal Poly Humboldt Identification

### Student ID Number

To assist in protecting students from identity theft, Cal Poly Humboldt has generated an identification number for each student. Students are encouraged to carry their valid Student ID card as various areas on campus will require that the card be swiped to obtain access or services. The student ID card can be used only for obtaining services from the university. It cannot be used to establish credit or to identify a student for business purposes outside the university. Therefore, if the card is lost, it does not create the potential for identity theft inherent in using social security numbers (SSNs).

### Username

In an effort to consolidate login information and to provide better protection of student information, many components of the Cal Poly Humboldt system use the student's username (e.g. abc123 or abcd1234) as a login.

### ID Card

A student's first ID is included in student fees. Student ID cards are used across campus for services at the Library Bookstore, Student Wellness Center, Residence Halls, campus computer labs, and more. The ID card is also a student's Jack Pass, providing unlimited rides on public transportation across Humboldt County. The Eureka Transit Service, Humboldt Transit Authority, and Arcata, and Mad River Transit System are participants. Additional information is available on the Library website: ID.

### University Email

Cal Poly Humboldt recognizes email systems as tools for conducting official university business. As such, the university provides centrally managed email accounts, and students are responsible for checking their university email account for official communications. Each student user is entitled to one mailbox. Email account holders are responsible for safeguarding access to their campus email when using any computing device and following campus acceptable use policy on-campus computer usage and safety guidelines. For additional information, see Email Policy.

Setting automatic forwarding of an official university email address to another address is discouraged. Having email lost as a result of forwarding does not absolve the account holder from responsibilities associated with communication sent to their official email address. The university is not responsible for the handling of email by outside vendors or unofficial servers.

## Study Abroad and Extension Programs

### Extended Education

The College of Extended Education and Global Engagement (CEEGE) offers, with no admission requirements, courses and programs for professional and personal development and for meeting professional licensing requirements. Some extension courses are available for optional academic credit, others are offered on a non-credit basis. Additional information is available on the Extended Education website.

College of Extended Education and Global Engagement  
Student Business Services Building 211, 707-826-3731.

### Open University

Enrollment through Open University allows one to sample regular university courses, get a head start on college while still in high school/community college, continue education while establishing residency, or renew student eligibility.

Participants select courses from the regular schedule of classes and complete an extended education registration form. If space is available at

the first class meeting, they have the instructor and departmental office sign the form, then return the form and pay the fees at the College of Extended Education and Global Engagement (Student & Business Services Building, Room 211.)

Open University is not available to matriculated students (those officially admitted to and eligible to register at Cal Poly Humboldt during the current semester or the previous two semesters). Also, regularly enrolled students who are academically disqualified from Cal Poly Humboldt are not eligible to enroll in coursework through Extended Education and Global Engagement for the academic year. See Bachelor's Degree Requirements and Master's Degree Requirements for information on limits. Additional information is available on the Open University website.

## Study Abroad

There are many opportunities for students at Cal Poly Humboldt to study abroad for a year, a semester, or the summer and receive academic credit. Students are advised to attend one of the informational meetings held throughout the year where they can learn about the various programs available to them. For further information, contact International Programs in the College of Extended Education and Global Engagement at 707-826-4142 or [international@humboldt.edu](mailto:international@humboldt.edu). The Study Abroad Office is located on the second floor of the Student and Business Services (SBS) building, in the College of Extended Education and Global Engagement (CEEGE).

Additional program information and application instructions are available on the Study Abroad website.

Students can participate in bilateral exchange, summer, and semester programs offered at Cal Poly Humboldt as well as CSU International Programs.

## Withdrawal from the Institution

### Cancellation of Registration or Withdrawal from the Institution

Students who find it necessary to cancel their registration or to withdraw from all classes after enrolling for any academic term are required to follow the university's official withdrawal procedures. Failure to follow formal university procedures may result in an obligation to pay fees as well as the assignment of failing grades in all courses and the need to apply for readmission before being permitted to enroll in another academic term. Information on canceling registration and withdrawal procedures is available from: Office of the Registrar, Student & Business Services, Room 133, (707) 826-4101.

Students who receive financial aid funds must consult with Financial Aid prior to withdrawing from the university regarding any required return or repayment of grant or loan assistance received for that academic term or payment period. Students who have received financial aid and withdraw from the institution during the academic term or payment period may need to return or repay some or all of the funds received, which may result in a debt owed to the institution.

### Withdrawal Policy

Students are responsible for adding or dropping the correct courses on their schedules prior to the Add/Drop Deadline. After the Add/Drop Deadline students are required to follow university withdrawal procedures by filing a request with the Office of the Registrar, whether the student has ever attended classes or not. Requests to withdraw will only be approved with a "serious and compelling" or "catastrophic" reason with supporting documentation. A student is not allowed to withdraw during the last five weeks of instruction or later except in cases where the cause of withdrawal is due to circumstances clearly beyond the student's control ("catastrophic") and the assignment of an incomplete grade is not practicable. For information about grades assigned for

official withdrawal (W) and unauthorized withdrawal (WU) see Grades and GPA.

Faculty are strongly encouraged to provide students, whenever possible, with graded feedback in every course before the Add/Drop Deadline. Drops and withdrawals often carry serious academic and financial consequences, including delaying time to degree, loss of momentum, impacts on full/part-time status for fees and/or financial aid eligibility, veterans benefits, on-campus housing, athletic eligibility, and visa status for international students. Faculty members are urged to remind students to consult with an advisor as well as the Financial Aid office before withdrawing from a class. Students who receive financial aid funds are urged to consult with Financial Aid prior to withdrawing from the university regarding any required return or repayment of grant or loan assistance received, which may result in a debt owed to the institution and negatively impact eligibility to receive financial aid in future semesters. International students here on an F1 or J1 visa are urged to consult with their immigration advisor prior to any drops or withdrawals regarding the effects these changes may have on their immigration status.

### Drop

The Add/Drop Deadline is 11:59 p.m. PST on the Monday after the second week of classes of the regular semester. Students are responsible for ensuring the correct courses are on their official class schedules in their Student Center prior to the Add/Drop Deadline. Students are allowed to disenroll (drop) a course before the add/drop via Student Center. A student who formally drops prior to the Add/Drop Deadline will have only an appropriate date of withdrawal (no coursework) appear on the academic record for that term. The university may disenroll a student from a course administratively, when enrollment in a course is contingent upon attendance (see the Faculty Initiated Drop for Non-Attendance Policy).

### Serious & Compelling Withdrawal

Serious and compelling withdrawals are considered after the Add/Drop Deadline through 11:59 p.m. PST on Monday of the 11th week of classes. Serious and compelling reasons are typically outside a student's control. The Office of the Registrar will review the student's request and documentation. If the student provides sufficient documentation, the faculty members teaching the course will be notified that a student has petitioned for a Withdrawal. Faculty will be given the opportunity to provide feedback to the Registrar's office if necessary.

### Catastrophic Withdrawal

Catastrophic withdrawals are considered after the Add/Drop Deadline through the end of instruction. This is the only category of withdrawal permitted in the last five weeks of instruction. Catastrophic Reasons are typically events clearly beyond a student's control, preventing attendance, and in cases where the assignment of an Incomplete grade is not practicable. Verifiable documentation of the event must be provided to the Office of the Registrar, who will determine whether or not a Catastrophic Withdrawal is appropriate. If the student provides sufficient documentation to the Registrar's office, faculty members teaching the course will be notified that a student has petitioned for a Catastrophic Withdrawal. The faculty member will be given the opportunity to provide feedback to the Office of the Registrar if necessary. Catastrophic Withdrawals do not count toward the 18-unit limit for Official Withdrawals.

### Procedure and Notification

To start the withdrawal process, a student should contact the Office of the Registrar. Forms and instructions are available on the Office of the Registrar Withdrawal Process webpage.

Students must notify all course instructors of withdrawal. An instructor has the right to override a "W" grade with a grade of "F" or "NC." For information regarding deadlines for partial refund upon withdrawal consult the Calendar of Activities and Deadlines and Student Financial

Services. Graduate students (master's degree seeking) must also contact their graduate department coordinator regarding their withdrawal.

A student who does not plan to return to Cal Poly Humboldt the next semester may need to request a leave of absence or reapply to the university upon return. For more information please see Educational Leave or contact the Office of the Registrar, 707-826-4101.

Financial Aid: Students who receive financial aid funds must consult with Financial Aid prior to withdrawing from the university regarding any required return or repayment of grant or loan assistance received for that academic term or payment period. Students who have received financial aid and withdraw from the institution during the academic term or payment period may need to return or repay some or all of the funds received, which may result in a debt owed to the institution.

Housing: Students who have paid for housing on campus should contact: Housing & Residence Life, 707-826-3451 or [housing@humboldt.edu](mailto:housing@humboldt.edu) concerning refunds.

## **Withdrawal Procedures for Students Mobilized for Active Duty**

Cal Poly Humboldt students who are in the military reserves or the National Guard of the United States who are called to active duty after the beginning of a semester or summer session have two options they may consider in determining their enrollment status with the university. Normal withdrawal procedures should be followed whenever possible. However, if students are unable to complete the necessary paperwork by coming into the Office of the Registrar, SBS 133, or writing a letter of withdrawal, the university shall accept notification from the student or a family member. The Office of the Registrar will verify all notifications.

Students may also contact Veterans Enrollment & Transition Services, 707-826-6272, with questions or for assistance with required paperwork. Withdrawals as a result of a verified call to active duty do not count towards the 18-unit withdrawal limit.

### **Option 1 - Students may withdraw from all courses:**

A student may choose to do a total withdrawal from all classes, and under a CSU policy, receive a full refund of tuition and fees. This option requires that the student withdraw from every course and receive no grade for any course taken during the semester.

To process this total semester withdrawal, undergraduate students must contact the Office of the Registrar, SBS 133, 707-826-4101, or email [records@humboldt.edu](mailto:records@humboldt.edu) to complete the necessary paperwork and to start the process for refunds. Graduate students should notify the Office of Academic Programs & Undergraduate/ Graduate Studies, Siemens Hall 217A, 707-826-4192.

A student who does not plan to return to Cal Poly Humboldt the next semester must request a leave of absence. This approved leave of absence will ensure that the student will retain their catalog rights and will allow the student to register for subsequent terms without reapplying for admission.

### **Option 2 - Students may take a grade of incomplete in courses.**

If a substantial part of the semester has been completed by the time the student is called for active military duty, the student may meet with each instructor to determine if the assignment of an incomplete grade is practicable. The conditions for completing course work and receiving a final grade should be agreed to between the student and the instructor by completing an Authorized Incomplete form available from any academic department. If the assignment of an incomplete grade is not practicable, then students should be offered the option of withdrawing from the course.

A student who does not plan to return to Cal Poly Humboldt the next semester must request a leave of absence. This approved leave of absence will ensure that the student will retain their catalog rights and will allow the student to register for subsequent terms without reapplying for admission.



# Advanced Placement Examination Credit

Credits awarded for completion of external examination are based on when the exam was taken and the score earned. No more than 30 semester units of such credit may apply to a baccalaureate degree (Advanced Placement (AP) and International Baccalaureate (IB) credits are excluded from this limit). See GE codes below.

| AP Exam (scores of 3, 4 or 5 unless indicated)                   | Total Units* | GE Credit                                | Course Articulation                 |
|------------------------------------------------------------------|--------------|------------------------------------------|-------------------------------------|
| Art History                                                      | 6            | C1 (3 units) & C1 or C2 (3 units)        | ART 103A & ART 103B                 |
| Biology (Score of 3)                                             | 6            | B2 & B3 (3 units)                        | BIOL 104                            |
| Biology (scores of 4-5)                                          | 6            | B2 & B3 (4 units)                        | BIOL 105                            |
| Calculus AB <sup>[1]</sup>                                       | 6            | B4 (4 units)                             | MATH 105 or MATH 109                |
| Calculus AB Subscore <sup>[1]</sup>                              | 6            | B4 (4 units)                             | MATH 105 or MATH 109                |
| Calculus BC <sup>[1]</sup>                                       | 6            | B4 (3 units)                             | (MATH 105 or MATH 109) & MATH 110   |
| Chemistry                                                        | 6            | B1 & B3 (4 units)                        |                                     |
| Chinese Language & Culture                                       | 6            | C2 (3 units)                             |                                     |
| Comparative Government & Politics                                | 6            | D (3 units)                              |                                     |
| Computer Science A <sup>[2]</sup>                                | 6            | No GE Credit                             | CS 111                              |
| Computer Science Principles <sup>[2]</sup>                       | 6            | B4 (3 units)                             |                                     |
| English Language & Composition <sup>[4]</sup>                    | 6            | A2 (3 units)                             | ENGL 104                            |
| English Literature & Composition <sup>[4]</sup>                  | 6            | A2 (3 units) & C2 (3 units)              | ENGL 104                            |
| Environmental Science                                            | 6            | D (3 units) & B1 & B3 (3 units)          | ESM 105 & ENST 195                  |
| European History                                                 | 6            | C2 or D (3 units)                        |                                     |
| French Language & Culture                                        | 6            | C2 (3 units)                             |                                     |
| German Language & Culture                                        | 6            | C2 (3 units)                             |                                     |
| Human Geography                                                  | 6            | D (3 units)                              | GEOG 105                            |
| Italian Language & Culture                                       | 6            | C2 (3 units)                             |                                     |
| Japanese Language & Culture                                      | 6            | C2 (3 units)                             |                                     |
| Latin                                                            | 6            | C2 (3 units)                             |                                     |
| Macroeconomics <sup>[3]</sup>                                    | 6            | D (3 units)                              |                                     |
| Microeconomics <sup>[3]</sup>                                    | 6            | D (3 units)                              |                                     |
| Music Theory (through Summer 2019)                               | 6            | C1 (3 units)                             |                                     |
| Music Theory (effective Fall 2019)                               | 6            | No GE Credit                             |                                     |
| Physics 1 <sup>[5]</sup>                                         | 6            | B1 & B3 (4 units)                        |                                     |
| Physics 2 <sup>[5]</sup>                                         | 6            | B1 & B3 (4 units)                        |                                     |
| Physics C: Electricity & Magnetism <sup>[5]</sup>                | 6            | B1 & B3 (4 units)                        |                                     |
| Physics C: Mechanics <sup>[5]</sup>                              | 6            | B1 & B3 (4 units)                        |                                     |
| Psychology                                                       | 6            | D (3 units)                              | PSYC 104                            |
| Seminar                                                          | 6            | No GE Credit                             |                                     |
| Spanish Language & Culture (score of 3)                          | 6            | C2 (4 units)                             | SPAN 106                            |
| Spanish Language & Culture (score of 4)                          | 6            | C2 (4 units)                             | SPAN 107                            |
| Spanish Language & Culture (score of 5)                          | 6            | C2 (4 units)                             | SPAN 207                            |
| Spanish Literature & Culture (score of 3)                        | 6            | C2 (4 units)                             | SPAN 107                            |
| Spanish Literature & Culture (score of 4 or 5)                   | 6            | C2 (4 units)                             | SPAN 207                            |
| Statistics                                                       | 6            | B4 (3 units)                             | STAT 108 or STAT 109                |
| Studio Art: 2-D Design                                           | 6            | C1 (3 units)                             | ART 105C                            |
| Studio Art: 3-D Design                                           | 6            | C1 (3 units)                             | ART 105D                            |
| Studio Art: Drawing                                              | 6            | C1 (3 units)                             | ART 105B                            |
| United States Government & Politics <sup>[8]</sup>               | 6            | D & US Constitution (3 units)            |                                     |
| United States History (score of 3)                               | 6            | D or C2 (3 units) & US History (3 units) |                                     |
| United States History (score of 4-5)                             | 6            | D or C2 (3 units) & US History (3 units) | HIST 110 or HIST 111                |
| World History (score of 3, through Summer 2019)                  | 6            | D or C2 (3 units)                        |                                     |
| World History (score of 4-5, through Summer 2019) <sup>[6]</sup> | 6            | D or C2 (3 units)                        | HIST 107 or HIST 108                |
| World History (score of 3, effective Fall 2019)                  | 3            | D or C2 (3 units)                        | History major credit <sup>[9]</sup> |
| World History (score of 4-5, effective Fall 2019)                | 3            | D or C2 (3 units)                        | History major credit <sup>[9]</sup> |

\*Total credit in semester units

## AP Exam notes

<sup>[1]</sup> If more than one AP exam in calculus is passed, only 9 units may be applied to the baccalaureate degree.

<sup>[2]</sup> If more than one AP exam in computer science is passed, only 6 units may be applied to the baccalaureate degree.

<sup>[3]</sup> If both AP Macroeconomics and AP Microeconomics are passed, 12 units will be applied to the baccalaureate degree as follows: D (3 units), ECON 210, and electives (5 units)

<sup>[4]</sup> If both AP English exams are passed, only 9 units may be applied to the baccalaureate degree and will be distributed: A2 ENGL 104 (3 units), C2 (3 units) and electives (3 units).

<sup>[5]</sup> If more than one AP exam in physics is passed, only 6 units may be applied to the baccalaureate degree.

<sup>[6]</sup> A total of 6 units (two courses) chosen from: HIST 107, HIST 108, HIST 109, HIST 109B. C2 may be awarded in lieu of the previous courses. Contact the Office of the Registrar for further information.

<sup>[8]</sup> Does not meet the California State and Local Government degree requirement.

<sup>[9]</sup> History majors may also use this exam to meet 3 units towards the lower division civilizations requirement.

## CLEP Examination Credit

Credits awarded for completion of external examination are based on when the exam was taken and the score earned. No more than 30 semester units of such credit may apply to a baccalaureate degree (Advanced Placement (AP) and International Baccalaureate (IB) credits are excluded from this limit).

| CLEP Examination (minimum score of 50 unless noted) | Total Units* | GE Distribution                | Course Articulation   |
|-----------------------------------------------------|--------------|--------------------------------|-----------------------|
| American Government                                 | 6            | D (3 units)                    |                       |
| American Literature                                 | 6            | C2 (3 units)                   | ENGL 232              |
| Analyzing & Interpreting Literature                 | 6            | C2 (3 units)                   | ENGL 105              |
| Biology                                             | 6            | B2 & B3 (4 units)              | BIOL 105              |
| Calculus                                            | 6            | B4 (4 units)                   | MATH 109              |
| Chemistry                                           | 3            | B1 (3 units)                   |                       |
| College Algebra                                     | 3            | B4 (3 units)                   | MATH 101              |
| College Composition (plus pass on essay)            | 3            | No GE Credit                   |                       |
| College Composition Modular (plus pass on essay)    | 3            | No GE Credit                   |                       |
| College Mathematics                                 | 6            | B4 (3 units)                   | MATH 103              |
| English Literature                                  | 6            | No GE Credit                   | ENGL 230 & ENGL 231   |
| Financial Accounting                                | 3            | No GE Credit                   |                       |
| French Level I & II (score 50-58) <sup>[1]</sup>    | 6            | C2 (3 units)                   | FREN 105 & FREN 106   |
| French Level I & II (Score ≥ 59) <sup>[1]</sup>     | 9            | C2 & DCG-N                     | FREN 107 & FREN 207   |
| German Level I & II (score 50-58) <sup>[1]</sup>    | 6            | C2 (3 units)                   | GERM 105 & GERM 106   |
| German Level I & II (score ≥ 60) <sup>[1]</sup>     | 9            | C2 (4 units) & DCG-N (4 units) | GERM 107 & GERM 207   |
| History of U.S. I                                   | 6            | D & US History (3 units)       | HIST 110              |
| History of U.S. II                                  | 6            | D & US History (3 units)       | HIST 111              |
| Human Growth & Development                          | 6            | E (3 units)                    |                       |
| Humanities                                          | 3            | C2 (3 units)                   |                       |
| Information Systems                                 | 6            | No GE Credit                   |                       |
| Introduction to Educational Psychology              | 6            | No GE Credit                   |                       |
| Introductory Business Law <sup>[2]</sup>            | 6            | No GE Credit                   | BA 210                |
| Introductory Psychology                             | 6            | D (3 units)                    | PSYC 104              |
| Introductory Sociology                              | 6            | D (3 units)                    | SOC 104               |
| Natural Sciences                                    | 6            | B2 & B3 (3 units)              | BIOL 104              |
| Pre-Calculus                                        | 6            | B4 (4 units)                   | MATH 101T or MATH 102 |
| Principles of Macroeconomics <sup>[3]</sup>         | 6            | D (3 units)                    |                       |
| Principles of Management                            | 6            | No GE Credit                   | BA 370                |
| Principles of Marketing                             | 6            | No GE Credit                   | BA 340                |
| Principles of Microeconomics <sup>[3]</sup>         | 6            | D (3 units)                    |                       |
| Social Science/History                              | 6            | D (3 units)                    |                       |
| Spanish Level I & II (Score 50-62) <sup>[1]</sup>   | 6            | C2 (3 units)                   | SPAN 105 & SPAN 106   |
| Spanish Level I & II (Score ≥ 63) <sup>[1]</sup>    | 9            | C2 & DCG-N (4 units)           | SPAN 107 & SPAN 207   |
| Spanish with Writing Level I & II (Score 50-62)     | 6            | No GE Credit                   |                       |
| Spanish with Writing Level I & II (Score ≥ 63)      | 9            | C2 (3 units)                   |                       |
| Western Civilization I                              | 6            | D (3 units) or C2 (3 units)    | HIST 104              |
| Western Civilization II                             | 6            | D (3 units)                    | HIST 105              |

\*Total credit in semester units.

<sup>[1]</sup> Credit and articulations for these exams are determined by score. A maximum of 9 units may be applied to the baccalaureate degree.

<sup>[2]</sup> Redistribution of units effective Fall 2013 (increase units for BA 210 from 3 to 4).

<sup>[3]</sup> If both Principles of Macroeconomics and Principles of Microeconomics are passed, 12 units will be applied to the baccalaureate degree and will be distributed as: 3 units GE D, 4 units ECON 210 and 5 units elective

# DSST Examination Credit

Credit for DSST Examination. See GE Codes

| DSST Examination (minimum score)               | Total Units* | GE Credit    | Course Articulation  |
|------------------------------------------------|--------------|--------------|----------------------|
| Art of the Western World (48 or 400)           | 3            | C1           | ART 103A or ART 103B |
| Astronomy (48 or 400)                          | 3            | B1           |                      |
| Business Ethics & Society (400)                | 3            | No GE Credit |                      |
| Business Law II (44 or 400)                    | 3            | No GE Credit | BA 210               |
| Business Math (48 or 400)                      | 3            | No GE Credit |                      |
| Civil War and Reconstruction (47 or 400)       | 3            | No GE Credit |                      |
| Criminal Justice (49 or 400)                   | 3            | No GE Credit |                      |
| Environment and Humanity (46 or 400)           | 3            | D            | ESM 105              |
| Ethics in America (46 or 400)                  | 3            | C2           | PHIL 106             |
| Foundations of Education (46 or 400)           | 3            | No GE Credit | EDUC 110             |
| Fundamentals of College Algebra (50 or 400)    | 3            | No GE Credit |                      |
| Fundamentals of Counseling (45 or 400)         | 3            | No GE Credit |                      |
| General Anthropology (400)                     | 3            | No GE Credit |                      |
| Health & Human Development (48 or 400)         | 3            | E            | HED 100              |
| History of the Vietnam War (44 or 400)         | 3            | No GE Credit |                      |
| Human/Cultural Geography (48 or 400)           | 3            | D and DCG-N  | GEOG 105             |
| Human Resource Management (46 or 400)          | 3            | No GE Credit | BA 370               |
| Introduction to Business (46 or 400)           | 3            | No GE Credit | BA 110               |
| Introduction to Computing (45 or 400)          | 3            | No GE Credit |                      |
| Introduction to Law Enforcement (45 or 400)    | 3            | No GE Credit |                      |
| Introduction to Modern Middle East (47 or 400) | 3            | D            |                      |
| Introduction to World Religions (48 or 400)    | 3            | C2 & DCG-N   | RS 105               |
| Lifespan Developmental Psychology (46 or 400)  | 3            | No GE Credit |                      |
| Management Information Systems (46 or 400)     | 3            | No GE Credit |                      |
| Money and Banking (400)                        | 3            | CSU D1       |                      |
| Organizational Behavior (48 or 400)            | 3            | No GE Credit | BA 370 or BA 470     |
| Personal Finance (46 or 400)                   | 3            | No GE Credit |                      |
| Physical Geology (46 or 400)                   | 3            | B1           |                      |
| Principles of Finance (46 or 400)              | 3            | No GE Credit | BA 360               |
| Principles of Financial Accounting (47 or 400) | 3            | No GE Credit | BA 250               |
| Principles of Physical Science I (47 or 400)   | 3            | B1           |                      |
| Principles of Public Speaking (47 or 400)      | 3            | A1           | COMM 100             |
| Principles of Statistics (50 or 400)           | 3            | B4           | MATH 103             |
| Principles of Supervision (46 or 400)          | 3            | No GE Credit | BA 370               |
| Substance Abuse (49 or 400)                    | 3            | No GE Credit |                      |
| Technical Writing (46 or 400)                  | 3            | No GE Credit |                      |

\*Total credit in semester units.

# International Baccalaureate (IB) Exam Credit

Credits awarded for completion of external examination are based on when the exam was taken and the score earned. No more than 30 semester units of such credit may apply to a baccalaureate degree (Advanced Placement (AP) and International Baccalaureate (IB) credits are excluded from this limit). See Codes below.

| IB Examination (minimum score of 4)           | Total Units* | GE Credit                     | Course Articulation                 |
|-----------------------------------------------|--------------|-------------------------------|-------------------------------------|
| Anthropology, Social & Cultural, HL           | 6            | D (3 units)                   | ANTH 104                            |
| Anthropology, Social & Cultural, SL           | 3            | D (3 units)                   |                                     |
| Biology HL                                    | 6            | B2 & B3 (3 units)             |                                     |
| Biology SL                                    | 3            | B2 & B3 (3 units)             |                                     |
| Business & Management HL                      | 6            | No GE Credit                  | BA 110                              |
| Business & Management SL                      | 3            | No GE Credit                  |                                     |
| Chemistry HL                                  | 6            | B1 & B3 (3 units)             |                                     |
| Chemistry SL                                  | 3            | B1 (3 units)                  |                                     |
| Classical Languages HL                        | 6            | C2 (3 units)                  |                                     |
| Classical Languages SL                        | 3            | C2 (3 units)                  |                                     |
| Computer Science HL                           | 6            | A3 (3 units)                  | CS 100                              |
| Computer Science SL                           | 3            | A3 (3 units)                  | CS 100                              |
| Dance HL                                      | 3            | C1 (3 units)                  |                                     |
| Dance SL                                      | 3            | C1 (3 units)                  |                                     |
| Design Technology HL                          | 6            | No GE Credit                  | ENGR 215                            |
| Design Technology SL                          | 3            | No GE Credit                  |                                     |
| Economics HL                                  | 6            | D (3 units)                   | ECON 104                            |
| English A Language & Literature HL            | 6            | A2 (3 units) and C2 (3 units) | ENGL 104 and ENGL 105               |
| English A Language & Literature SL            | 3            | A2 (3 units)                  | ENGL 104                            |
| English A Literature HL                       | 6            | C2 (3 units)                  | ENGL 105                            |
| English A Literature SL                       | 3            | No GE Credit                  |                                     |
| Environmental Systems & Societies             | 3            | No GE Credit                  |                                     |
| Film HL                                       | 3            | C1 (3 units)                  |                                     |
| Film SL                                       | 3            | C1 (3 units)                  |                                     |
| French ab initio SL                           | 3            | C2 (3 units)                  |                                     |
| French A Literature HL                        | 6            | C2 (3 units)                  |                                     |
| French A Literature SL                        | 3            | C2 (3 units)                  |                                     |
| French A Language & Literature HL             | 6            | C2 (3 units)                  |                                     |
| French A Language & Literature SL             | 3            | C2 (3 units)                  |                                     |
| French B HL                                   | 6            | C2 (3 units)                  |                                     |
| French B SL                                   | 3            | C2 (3 units)                  |                                     |
| Further Mathematics HL                        | 6            | B4 (3 units)                  |                                     |
| Geography HL                                  | 6            | D (3 units) and DCG-N         | GEOG 105                            |
| Geography SL                                  | 3            | D (3 units)                   |                                     |
| German ab initio SL                           | 3            | C2 (3 units)                  |                                     |
| German A Literature HL                        | 6            | C2 (3 units)                  |                                     |
| German A Literature SL                        | 3            | C2 (3 units)                  |                                     |
| German A Language & Literature HL             | 6            | C2 (3 units)                  |                                     |
| German A Language & Literature SL             | 3            | C2 (3 units)                  |                                     |
| German B HL                                   | 6            | C2 (3 units)                  |                                     |
| German B SL                                   | 3            | C2 (3 units)                  |                                     |
| Global Politics HL                            | 6            | D (3 units)                   |                                     |
| Global Politics SL                            | 3            | D (3 units)                   |                                     |
| History (any region) HL                       | 6            | C2 or D (3 units)             |                                     |
| History (any region) SL                       | 3            | D (3 units)                   |                                     |
| Information Technology in a Global Society HL | 6            | D (3 units)                   |                                     |
| Information Technology in a Global Society SL | 3            | D (3 units)                   |                                     |
| Islamic History HL                            | 6            | D (3 units)                   |                                     |
| Islamic History SL                            | 3            | D (3 units)                   |                                     |
| Language HL (any)                             | 6            | C2 (3 units)                  |                                     |
| Language SL (any)                             | 3            | C2 (3 units)                  |                                     |
| Literature & Performance SL                   | 3            | C1 or C2 (3 units)            |                                     |
| Mathematics: Analysis and Approaches HL       | 6            | B4 (3 units)                  | MATH 109 and (STAT 108 or STAT 109) |

| IB Examination (minimum score of 4)             | Total Units* | GE Credit                     | Course Articulation                 |
|-------------------------------------------------|--------------|-------------------------------|-------------------------------------|
| Mathematics: Analysis and Approaches SL         | 3            | B4 (3 units)                  | MATH 102                            |
| Mathematics: Applications and Interpretation HL | 6            | B4 (3 units)                  | MATH 109 and (STAT 108 or STAT 109) |
| Mathematics: Applications and Interpretation SL | 3            | B4 (3 units)                  | STAT 108                            |
| Mathematics HL (Last offered prior to May 2021) | 6            | B4 (3 units)                  |                                     |
| Mathematics SL (Last offered prior to May 2021) | 3            | B4 (3 units)                  |                                     |
| Mathematical Studies SL                         | 3            | B4 (3 units)                  | MATH 103                            |
| Music HL                                        | 3            | C1 (3 units)                  |                                     |
| Music SL                                        | 3            | C1 (3 units)                  |                                     |
| Philosophy HL                                   | 6            | A3 (3 units) and C2 (3 units) | PHIL 107                            |
| Philosophy SL                                   | 3            | C2 (3 units)                  | PHIL 107                            |
| Physics HL                                      | 6            | B1 and B3 (3 units)           |                                     |
| Physics SL                                      | 3            | B1 and B3 (3 units)           |                                     |
| Psychology HL                                   | 6            | D (3 units)                   | PSYC 104                            |
| Psychology SL                                   | 3            | D (3 units)                   |                                     |
| Spanish ab initio SL                            | 3            | C2 (3 units)                  |                                     |
| Spanish A Literature HL                         | 6            | C2 (3 units)                  |                                     |
| Spanish A Literature SL                         | 3            | C2 (3 units)                  |                                     |
| Spanish A Language & Literature HL              | 6            | C2 (3 units)                  |                                     |
| Spanish A Language & Literature SL              | 3            | C2 (3 units)                  |                                     |
| Spanish B HL                                    | 6            | C2 (3 units)                  |                                     |
| Spanish B SL                                    | 3            | C2 (3 units)                  |                                     |
| Sports, Exercise and Health Science SL          | 3            | No GE Credit                  |                                     |
| Theatre HL                                      | 6            | C1 (3 units)                  |                                     |
| Theatre SL                                      | 3            | C1 (3 units)                  |                                     |
| Visual Arts HL                                  | 6            | C1 (6 units)                  | ART 105B ART 105C                   |
| Visual Arts SL                                  | 3            | C1 (3 units)                  |                                     |
| World Religions SL                              | 3            | C2 (3 units)                  |                                     |

\*Total credit in semester units

## Codes

HL = Higher Level  
SL = Standard Level

A1 = Lower Division GE Area A: Oral Communication  
A2 = Lower Division GE Area A: Written Communication  
A3 = Lower Division GE Area A: Critical Thinking  
B1 = Lower Division GE Area B: Physical Science  
B2 = Lower Division GE Area B: Life Science  
B3 = Science Lab Requirement  
B4 = Lower Division GE Area B: Mathematics  
C1 = Lower Division GE Area C: Arts  
C2 = Lower Division GE Area C: Humanities  
D = Lower Division GE Area D: Social Science  
E = Lower Division GE Area E: Lifelong Learning and Self-Development

# Bachelor's Degree Requirements

## Components of the Degree

The General Education and All-University Requirements (GEAR) component requires a minimum of 48 units. Some of these units may simultaneously satisfy major, minor, or Diversity and Common Ground (DCG) requirements. General Education (GE) courses meet CSU breadth requirements.

Students may elect to take approved GEAR courses offered by their major department.

### General Education (GE)

Students must complete a minimum of 48 units in approved GE courses with the subject area distribution described below. Some of these units may simultaneously satisfy major, minor, or Diversity and Common Ground (DCG) requirements. General Education (GE) courses meet CSU breadth requirements and help students meet the goals of the bachelor's degree program. The following GE requirements are in effect for students entering Cal Poly Humboldt with a catalog year of 2021-22 or later.

GE requirements cannot be waived and other Cal Poly Humboldt courses cannot be substituted for approved GE courses. To fulfill a particular requirement, a course must be completed during the academic year in which the GE status is designated in the catalog. Courses that address outcomes of more than one GE Area A-F, can only be used to satisfy one of those areas.

### Lower Division GE Component

Area A: English Language Communication and Critical Thinking requires 9 semester units, with one course (3 units) in each subarea: Oral Communication, Written Communication, and Critical Thinking. Area A courses must be completed with a C- or better. Written Communication is recommended for the freshman year. The Area A requirement must be completed by the time a student earns 60 units. Transfer students who come to Cal Poly Humboldt with more than 30 units must complete these courses by the time they earn 30 units at Cal Poly Humboldt.

Area B: Math and Science requires 9 semester units, with one course each in subarea: Mathematics/Quantitative Reasoning (B4), Physical Science (B1), Life Science (B2), and a laboratory activity (B3) related to one of the completed science courses. The math portion of Area B must be completed with a C- or better. It is recommended for the student's freshman year and must be completed no later than the junior year (before reaching 60 units).

Area C: Arts & Humanities requires 9 semester units, with at least one course completed in each of the two subareas Arts (C1) and Humanities (C2).

Area D: Social Sciences requires 6 semester units. Courses must be completed in at least 2 different disciplines.

Area E: Lifelong Learning and Self-Development requires 3 semester units of study at the lower-division level.

Area F: Ethnic Studies requires 3 semester units at the lower or upper division level.

### Upper Division GE Component

Upper division GE courses build upon knowledge and abilities developed in lower division GE courses. Students must complete 9 semester units, with 3 units in each area: B: Math & Science, C: Arts & Humanities, and D: Social Sciences taken no sooner than the semester during which they will attain junior status (earned 60 units).

## All-University Requirements

### American Institutions

The California State University requires every student receiving a baccalaureate degree to be knowledgeable about the Constitution of the United States, American history, and state and local government. Students must complete 6 units, with one course (3 units) in each subarea: US Government and U.S. History.

Although the American Institutions requirement is separate from general education, one course can be applied to GE Area D or F. Regardless of whether a lower or upper division American Institutions course is applied to GE, it will count for lower division GE, not upper division GE.

### Diversity & Common Ground (DCG)

Students must complete at least two DCG courses (6 units); one of these courses must be designated domestic (focused within the boundaries of the United States); the second course may either be domestic or international/transnational (non-domestic) in focus.

All-University requirements cannot be waived and other Cal Poly Humboldt courses cannot be substituted for approved American Institutions and DCG courses. To fulfill these requirements, a course must be completed during the academic year in which its All-University status is designated in the catalog.

### Major Requirement

The major component of the undergraduate degree provides a depth of study. Major programs listed in this catalog are approved by Cal Poly Humboldt and the CSU. Students are required to declare a major by the time they earn 45 units.

A Bachelor of Arts Degree requires a major with a minimum of 33 semester units. At least 12 semester units in the major must be upper division courses or their equivalent.

A Bachelor of Science Degree requires a major with a minimum of 36 semester units. At least 18 semester units in this major must be upper division courses or their equivalent.

A Bachelor of Fine Arts degree requires a major with a maximum of 70 semester units with at least one-fourth of these units devoted to theory and content as distinguished from studio, production, and performance.

### Grade Point Average

A minimum cumulative grade point average (GPA) of 2.0 or better is required in all work taken for the degree, all work taken at Cal Poly Humboldt, and all work taken in the major.

### Residency Requirement

Students must earn a minimum of 30 units in regular courses at Cal Poly Humboldt. Of those 30 units, 24 must be upper division, and 12 of the upper division units must be in the major. All students must earn at least 9 units of general education at Cal Poly Humboldt. None of these resident course units may be satisfied through extension, (24 units of Open University courses excepted), or credit earned through examination.

### Unit Requirements & Limitations

The baccalaureate degrees, Bachelor of Arts (B.A.), Bachelor of Science (B.S.) and Bachelor of Fine Arts, (B.F.A.) require a minimum of 120 semester units.

In certain kinds of courses, only a limited number of units apply toward graduation requirements. The maximum number of units of each type that will apply toward a bachelor's degree are as follows:

- 24 semester units of extension or correspondence courses (These may not count toward the residency requirement)
- 24 semester units of Open University / Special Session courses
- no more than 70 semester units earned at a regionally accredited community college may be applied toward the 120 unit requirement for graduation.

- 6 units earned in intercollegiate athletics
- 2 units of intramural courses
- Courses used to fulfill major requirements may not be taken on an optional credit/no credit basis. No more than 24 semester units of credit/no credit (mandatory and/or optional) taken at Cal Poly Humboldt will count toward a bachelor's degree.

Open University is not available to matriculated students (those officially admitted to and eligible to register at Cal Poly Humboldt during the current semester or the previous two semesters). Regularly enrolled students who are academically disqualified from the university are not eligible to enroll in coursework through Extended Education and Global Engagement for an academic year.

## Minors & Electives

Students choose elective courses (outside of specific degree requirements) to pursue individual goals and interests, complete a minor or to fulfill total unit requirements for the degree. Most Cal Poly Humboldt courses may be taken as electives.

A minor is not required for graduation except when included in the requirements for a major. Many students find a minor complements their studies and enhances their career opportunities. The minor is similar to the major but less comprehensive, consisting of 15-30 units, with at least 6 units at the upper division level. A GPA of 2.0 (C) or better is required. Courses used for a minor can also be used for general education. Students may add, drop or change their minor using the Declare or Update Minor e-form.

Students are generally prohibited from earning a major and minor from the same degree program. Exceptions can be made in major and minor combinations in which: [1] at least 9 units required for the minor are not already required for the major. In cases where there are "concentrations" within the major, a student must take the concentration such that at least 9 units for the minor are not counted towards the requirements for the major, and [2] the major and minor must have different titles.

A minor must be completed in conjunction with a degree or credential program. A minor cannot be posted if completed after the degree has been awarded. Minors are recorded on the student's transcript. Diplomas do not list minors.

## Transfer Students

Students who transfer to Cal Poly Humboldt from a California Community College, and who have followed the approved CSU or IGETC general education pattern, may satisfy up to 39 semester units of GE with transfer coursework. Transfer students from accredited private or non-California colleges will have their transfer courses applied to GE through individual review of transcripts.

Send transcripts of all previous work to the Office of Admissions. A Degree Audit Report for Students (DARS) will be made available at the time of orientation or initial enrollment that indicates how courses taken elsewhere apply to Humboldt's all-university requirements (general education, American institutions, diversity and common ground, unit minimums and limits, etc.) and in many cases, the major program. The DARS report also reflects Cal Poly Humboldt courses completed and in progress, and is available to enrolled students whose first term of enrollment was fall 2003 or later.

Students who have completed an Associate Degree for Transfer under the Student Achievement Reform (STAR) Act should check with the Office of the Registrar to determine whether Cal Poly Humboldt offers the parallel bachelor's degree.

A minimum of 9 units of GE coursework must be completed in residence (i.e. at Cal Poly Humboldt) to satisfy the residency requirement.

## GEAR Program Learning Outcomes

The GEAR program learning outcomes are organized into three categories. Upon completion of the GEAR program, students will be able to:

### Foundational Skills

1. Demonstrate emergent skills and dispositions necessary for lifelong learning and self-development.
2. Locate, evaluate, and employ information effectively and ethically for a wide range of purposes.
3. Critically evaluate issues, ideas, artifacts, and evidence.
4. Develop and express ideas effectively in writing.
5. Effectively communicate orally for informational, persuasive, and expressive purposes.
6. Demonstrate knowledge of broad college-level quantitative concepts and apply mathematical or statistical methods to describe, analyze, and solve problems in context.

### Disciplinary Knowledge

7. Apply scientific methods and models to draw quantitative and qualitative conclusions about the physical and natural world.
8. Transform materials, ideas, or solutions into new forms through creative expression, innovative thinking and making, risk taking, or problem solving.
9. Analyze literary, philosophical, historical, or artistic works and explain their cultural and/or historical significance and context.
10. Analyze concepts, research methods, and theories pertaining to one or more of disciplines of the social sciences.

### Broad Perspectives

11. Demonstrate a critical understanding of the history of the US, and its structures of constitutional government, as a foundation for civic participation at all levels.
12. Apply knowledge produced by voices and perspectives of marginalized communities to analyze systems of power and privilege and identify strategies for creating just and equitable societies.
13. Describe how the resilience, sustainability, and conservation of ecological systems is a foundation of the functions of the natural world and/or economies.
14. Articulate how a resilient future interfaces with the development of just and equitable societies, economies, environmental protection, and/or resource management at the local, national, and/or global levels.

## Guidelines for Completing Graduation Requirements in Four Years

- In general, 15 units per semester each fall and spring semester leads to graduation in four years.
- Declare a major at the time of admission or during your first semester. A change of major may increase the time to degree.
- Build your four-year plan with DARS Degree Planner. Review your DARS Audit to see all completed, in progress and outstanding degree requirements.

- Satisfactorily complete a minimum of 30 semester units per year, as required to complete your bachelor's degree. Maintain a grade point average of 2.0 or better.
- Meet with your assigned academic advisor to review your DARS degree plan each semester.
- Apply for graduation at least three semesters prior to graduation.
- Participate in early registration each semester, and refrain from withdrawing and/or taking educational leaves

## Second Bachelor's Degree (for post-baccalaureate students only)

All undergraduate units and post-baccalaureate units are counted in computing overall units and grade point average. Candidates should apply for graduation early in order to receive a complete evaluation of their progress toward the second degree.

To earn a second bachelor's degree at Humboldt, a student must complete at least 30 semester units in residence at Cal Poly Humboldt beyond the requirements of the first degree\*. Of these units, 24 must be upper division, and at least 12 of the upper division units must be included in the major.

Students must maintain a minimum GPA of 2.0 in the major and 2.0 in all units attempted at Cal Poly Humboldt since the awarding of the last degree. A higher GPA may be required for some majors.

\*For students in the RN to BSN major who have already earned a baccalaureate degree, the residency requirement is reduced to 27 semester units (Title 5, Section 40403).

Candidates must fulfill the requirements of the second degree and must satisfy DCG requirements.

Honors for second-baccalaureate degree candidates. When computing grade point averages for honors purposes, all undergraduate units from Cal Poly Humboldt and transfer colleges will be considered, plus the Cal Poly Humboldt post-baccalaureate units.

A student may not concurrently earn two bachelor's degrees; for information on pursuing two majors, please see Academic Policies: Double Major. General Education & All-University Requirements

## General Education

Students must complete a minimum of 48 units in approved GE courses with the subject area distribution described below. Some of these units may simultaneously satisfy major, minor, or Diversity & Common Ground (DCG) requirements. General Education (GE) courses meet CSU breadth requirements and help students meet the goals of the bachelor's degree program. The following GE requirements are in effect for students entering Cal Poly Humboldt with a catalog year of 2021-22 or later.

Some majors have received approval for one or more general education requirements to be met by the completion of the major. See Approved General Education Modifications by Major for information.

### Lower Division GE Area A: English Language Communication and Critical Thinking (9 units | 3 units each subarea)

Area A courses must be completed with a C- or better. Written Communication is recommended for the freshman year. The Area A requirement must be completed by the time a student earns 60 units. Transfer students who come to Cal Poly Humboldt with more than 30 units must complete these courses by the time they earn 30 units at Cal Poly Humboldt.

### Lower Division GE Area A: Critical Thinking Courses

- BA 105 - Critical Thinking in Organizations Units: 3
- COMM 103 - Critical Listening and Thinking Units: 3
- CS 100 - Critical Thinking with Computers Units: 3
- ENGL 107 - Critical Writing Units: 3
- FOR 100 - Critical Thinking and Social and Environmental Responsibility Units: 3
- FREN 100 - Enlightenment and Post-Colonialism Units: 3
- GEOG 100 - Critical Thinking: Technology and the Digital World Units: 3
- INTL 100 - Thinking Critically About Globalization Units: 3
- INTL 100S - Thinking Critically About Globalization Units: 3
- PHIL 100 - Logic Units: 3
- PSYC 100 - Psychology of Critical Thinking Units: 3

**Goals:** After completing the GE Area A: Critical Thinking requirement, students will be able to:

- identify the premises and conclusion of an argument and determine its validity and soundness.
- analyze, criticize, and advocate ideas
- distinguish deductive from inductive argument forms, identify their fallacies, and reason inductively and deductively
- distinguish matters of fact from issues of judgment or opinion and reach well-supported factual or judgmental conclusions from a wide diversity of real world examples.

### Lower Division GE Area A: Oral Communication

- COMM 100 - Fundamentals of Speech Communication Units: 3

**Goals:** Upon completing this requirement, students will be able to:

- demonstrate the discovery, critical evaluation, and reporting of information by designing an appropriately organized and credibly supported speech, using techniques to inform and/or persuade an audience.
- deliver a speech using effective verbal and nonverbal skills.
- critically listen to and analyze oral communication.
- explain the role that oral communication plays in human societies.

### Lower Division GE Area A: Written Communication

Recommended for first year. Must be completed before earning 60 units. (Students who transfer in with more than 30 units must complete these before they complete 30 units at Cal Poly Humboldt.) A minimum grade of C- is required in each course.

- ENGL 102 - Composition and Rhetoric A Units: 3 and
- ENGL 103 - Composition and Rhetoric B Units: 3 (complete both courses to meet requirement)
- ENGL 104 - Accelerated Composition and Rhetoric Units: 3
- ENGL 104S - Accelerated Composition and Rhetoric Units: 3

**Goals:** Upon completing this requirement, students will be able to:



- demonstrate mastery of writing a well-composed and mechanically competent essay consisting of an introduction, claim (thesis), support (argument), and conclusion
- explain how the effectiveness of communication is influenced by the form, content, and context of someone's writing
- practice the discovery, critical evaluation, reporting, and appropriate citation of information.

Courses that meet outcomes of more than one GE area A-F, may only be used to satisfy one of those areas.

### Lower Division GE Area B: Math and Science (9 units | 3 units each subarea)

One course in Physical Science (B1) or Life Science (B2) must include a laboratory activity (B3).

### Lower Division GE Area B: Life Sciences

The following courses fulfill both the (B2) life science and (B3) science laboratory activity requirements, with the exception of BIOL 102. BIOL102 and BIOL 102L must be taken to fulfill both requirements.

- BIOL 105 - Principles of Biology Units: 4
- BOT 105 - General Botany Units: 4
- SOIL 104 - Introduction to Sustainable Agriculture Units: 3

The following course is not intended for most science/natural resource majors.

- ANTH 103 - Biological Anthropology Units: 3

The following courses are not intended for science or natural resource majors, with the exception of chemistry and physics.

- BIOL 102 - Human Biology Units: 3 (Enroll in BIOL 102L to fulfill the science lab requirement)
- BIOL 104 - General Biology Units: 3

#### GE Area B Notes:

- Where courses exceed 3 units, only 3 units count towards GE requirements.
- GE requirements cannot be waived and other Cal Poly Humboldt courses cannot be substituted for approved GE courses. To fulfill a particular requirement, a course must be completed during the academic year in which the GE status is designated in the catalog. Courses that meet outcomes of more than one GE area A-F, may only be used to satisfy one of those areas.

#### Goals

Upon completing this requirement, students will be able to:

- apply scientific concepts and theories to develop scientific explanations of natural phenomena
- critically evaluate conclusions drawn from a particular set of observations or experiments
- demonstrate their understanding of the science field under study through proper use of the technical/scientific language, and the development, interpretation, and application of concepts.

### Lower Division GE Area B: Physical Science

The following courses fulfill both (B1) physical science and (B3) science laboratory activity requirements.

- CHEM 107 - Fundamentals of Chemistry Units: 4
- CHEM 109 - General Chemistry I Units: 5
- GEOL 109 - General Geology Units: 4
- OCN 109 - General Oceanography Units: 3
- OCN 109L - General Oceanography Laboratory Units: 1
- PHYX 104 - Descriptive Astronomy Units: 4
- PHYX 104S - Descriptive Astronomy Units: 4
- PHYX 106 - College Physics: Mechanics and Heat Units: 4
- PHYX 107 - College Physics: Electromagnetism and Modern Physics Units: 4
- PHYX 109 - General Physics A: Mechanics Units: 4

The following course fulfills the (B3) science laboratory activity requirement.

- GEOG 106L - Physical Geography Laboratory Units: 1

#### GE Area B Notes:

Where courses exceed 3 units, only 3 units count towards GE requirements.

GE requirements cannot be waived and other Cal Poly Humboldt courses cannot be substituted for approved GE courses. To fulfill a particular requirement, a course must be completed during the academic year in which the GE status is designated in the catalog. Courses that meet outcomes of more than one GE area A-F, may only be used to satisfy one of those areas.

#### Goals

Upon completing this requirement, students will be able to:

- apply scientific concepts and theories to develop scientific explanations of natural phenomena
- critically evaluate conclusions drawn from a particular set of observations or experiments
- demonstrate their understanding of the science field under study through proper use of the technical/scientific language, and the development, interpretation, and application of concepts.

### Lower Division GE Area B:

#### Mathematics/Quantitative Reasoning

The mathematics requirement (B4) must be completed with a C- or better. It is recommended for the student's freshman year and must be completed no later than the junior year (before reaching 60 units).

- MATH 101 - College Algebra Units: 3
- MATH 101I - College Algebra with Integrated Support Units: 3
- MATH 101T - Trigonometry Units: 3
- MATH 102 - Algebra and Elementary Functions Units: 4
- MATH 103 - Mathematics as a Liberal Art Units: 3 (not for science or natural resources majors)
- MATH 103I - Mathematics as a Liberal Art with Integrated Support Units: 3 (not for science or natural resources majors)
- MATH 104 - Finite Mathematics Units: 3
- MATH 104I - Finite Mathematics with Integrated Support Units: 3
- MATH 105 - Calculus for the Biological Sciences and Natural Resources Units: 3

- MATH 107 - Introduction to Linear Algebra Units: 3
- MATH 108 - Critical Thinking in Mathematics Units: 3 (for prospective elementary teachers)
- MATH 109 - Calculus I Units: 4
- PSYC 109 - Introduction to Psychological Statistics Units: 4
- STAT 108 - Elementary Statistics Units: 3
- STAT 108I - Elementary Statistics with Integrated Support Units: 3
- STAT 109 - Introductory Biostatistics Units: 4

### Goals

Upon completing this requirement, students will be able to:

- use skills beyond the level of intermediate algebra to solve problems through quantitative reasoning
- apply mathematical concepts and quantitative reasoning to problems.

### Lower Division GE Area C: Arts and Humanities (9 units)

Complete at least one course in each of the two subareas Arts (C1) and Humanities (C2).

#### Lower Division GE Area C: Arts

- ART 100 - Global Perspectives in Art Units: 3
- ART 103A - Prehistoric to Medieval Art Units: 3
- ART 103B - Renaissance to Contemporary Art Units: 3
- ART 104B - Ancient Art Units: 3
- ART 104C - Medieval Art Units: 3
- ART 104F - Renaissance Art Units: 3
- ART 104G - Baroque Art Units: 3
- ART 104H - 19th Century Art Units: 3
- ART 104I - 20th Century Art Units: 3
- ART 104J - American Art Units: 3
- ART 104K - Africa, Oceania, the Americas Units: 3
- ART 104M - Latin American Art Units: 3
- ART 104N - Asian Art Units: 3
- ART 105B - Fundamentals of Drawing Units: 3
- ART 105C - 2D Foundations Units: 3
- ART 105D - 3D Foundations Units: 3
- ART 106 - Painting I Units: 3
- ART 107 - Printmaking I Units: 3
- ART 108 - Digital Media I Units: 3
- ART 109 - Sculpture I Units: 3
- DANC 103 - Modern/Contemporary I Units: 3
- DANC 104 - Modern/Contemporary II Units: 3
- FILM 102 - Introduction to Radio, TV and Film Units: 3
- FILM 109 - Film Comedy Around the World Units: 3
- MUS 103 - Listening to the Movies Units: 3
- MUS 104 - Introduction to Music Units: 3
- MUS 105 - The American Musical Units: 3
- MUS 106B - University Singers Units: 1
- MUS 106E - Opera Workshop Units: 1
- MUS 106F - Mad River Transit Singers Units: 1
- MUS 106H - Wind Ensemble Units: 1
- MUS 106J - AM Jazz Band Units: 1
- MUS 106K - Jazz Orchestra Units: 1
- MUS 106N - Humboldt Chorale Units: 1

- MUS 106O - Humboldt Symphony Units: 1
- MUS 107B - Brass Chamber Music Units: 1
- MUS 107C - Calypso Band Units: 1
- MUS 107F - Woodwind Chamber Music Units: 1
- MUS 107G - Guitar Chamber Music Units: 1
- MUS 107I - Intermediate Orchestra Units: 1
- MUS 107J - Jazz Combos Units: 1
- MUS 107P - Percussion Ensemble Units: 1
- MUS 107Q - World Percussion Ensemble Units: 1
- MUS 107S - Chamber Music - Service Learning Units: 1
- MUS 107T - String Chamber Music Units: 1
- MUS 107V - Madrigal Singers Units: 1
- MUS 108B - Class Applied Instruction: Brass Units: 1
- MUS 108C - Class Applied Instruction: Afro- Cuban Percussion Units: 1
- MUS 108F - Class Applied Instruction: Woodwinds Units: 1
- MUS 108G - Class Applied Instruction: Acoustic Guitar Units: 1
- MUS 108K - Class Applied Instruction: Piano Units: 1
- MUS 108P - Class Applied Instruction: Percussion Units: 1
- MUS 108T - Class Applied Instruction: Strings Units: 1
- MUS 108V - Class Applied Instruction: Voice Units: 1
- MUS 109G - Class Applied Instruction: Guitar Units: 1
- MUS 109K - Class Applied Instruction: Piano Units: 1
- MUS 109V - Class Applied Instruction: Voice Units: 1
- MUS 204 - Music in the K-8 Classroom Units: 3
- TA 104 - Story Through Word and Image Units: 4
- TA 105 - Acting 1: Principles of Performance Units: 3
- TA 106 - Behind the Scenes in Theatre Units: 3
- TA 107 - Dramatic Writing Units: 3

#### GE Notes:

GE requirements cannot be waived and other Cal Poly Humboldt courses cannot be substituted for approved GE courses. To fulfill a particular requirement, a course must be completed during the academic year in which the GE status is designated in the catalog. Courses that meet outcomes of more than one GE area A-F, may only be used to satisfy one of those areas.

#### Goals: Upon completing this requirement, students will be able to:

- apply discipline-specific vocabulary and central discipline-specific concepts and principles to a specific instance, literary work, or artistic creation
- respond subjectively as well as objectively to aesthetic experiences and will differentiate between emotional and intellectual responses
- explain the nature and scope of the perspectives and contributions found in a particular discipline within the arts and humanities as related to the human experience, both individually (theirs) and collectively.
- demonstrate an understanding of the intellectual, imaginative, and cultural elements involved in the creative arts through their (or, "as a result of their") participation in and study of drama, music, studio art, and/or creative writing.

#### Lower Division GE Area C: Humanities

- CD 109Z - American Sign Language: Level II Units: 3
- COMM 108 - Oral Interpretation Units: 3

- ENGL 105 - Literature, Media and Culture Units: 3
- ES 106 - Introduction to Black Studies Units: 3
- ES 107 - Chican@/Latinx Lives Units: 3
- FREN 106 - French Level II Units: 4
- FREN 107 - French Level III Units: 4
- FREN 207 - French IV and Intro to Francophone Studies Units: 4
- GERM 106 - German Level II Units: 4
- GERM 107 - German Language and Culture III Units: 4
- GERM 207 - German Language and Culture IV Units: 4
- JMC 105 - Introduction to Mass Communication Units: 3
- PHIL 104 - Asian Philosophy Units: 3
- PHIL 106 - Moral Controversies Units: 3
- PHIL 107 - Introduction to Philosophy Units: 3
- RS 104 - Asian Religions: Exploring Buddhism Units: 3
- RS 105 - World Religions Units: 3
- SPAN 106 - Spanish Language and Culture II Units: 4
- SPAN 107 - Spanish Language and Culture III Units: 4
- SPAN 108 - Level III Heritage Speakers Units: 4
- SPAN 108S - Level III Heritage Speakers Units: 4
- SPAN 207 - Spanish Language and Culture IV Units: 4
- SPAN 208 - Level IV Heritage Speakers Units: 4
- SPAN 208S - Level IV Heritage Speakers Units: 4
- WS 107 - Women, Narrative, History Units: 3

**GE Notes:**

GE requirements cannot be waived and other Cal Poly Humboldt courses cannot be substituted for approved GE courses. To fulfill a particular requirement, a course must be completed during the academic year in which the GE status is designated in the catalog. Courses that meet outcomes of more than one GE area A-F, may only be used to satisfy one of those areas.

**Goals: Upon completing this requirement, students will be able to:**

- apply discipline-specific vocabulary and central discipline-specific concepts and principles to a specific instance, literary work, or artistic creation
- respond subjectively as well as objectively to aesthetic experiences and will differentiate between emotional and intellectual responses
- explain the nature and scope of the perspectives and contributions found in a particular discipline within the arts and humanities as related to the human experience, both individually (theirs) and collectively.
- discuss the intellectual, historical, and cultural elements of written literature through their study of great works of the human imagination.

**Lower Division GE Area D: Social Sciences (6 units)**

Complete courses in two different disciplines. One institutions course can be used to satisfy one GE Area D discipline requirement. See American Institutions for details.

- ANTH 102 - Introduction to the Anthropology of Language Units: 3
- ANTH 104 - Cultural Anthropology Units: 3
- ANTH 105 - Archaeology and World Prehistory Units: 3
- BA 106 - Advocating for Sustainability Units: 3
- COMM 105 - Introduction to Human Communication Units: 3
- CRGS 108 - Power/Privilege: Gender and Race, Sex, Class Units: 3
- ECON 104 - Contemporary Topics in Economics Units: 3

- ESM 105 - Natural Resource Conservation Units: 3
- ES 105 - Introduction to US Ethnic Studies Units: 3
- GEOG 105 - Human Geography Units: 3
- GSP 101 - Geospatial Concepts Units: 3
- HIST 104 - Western Civilization to 1650 Units: 3
- HIST 105 - Western Civilization, 1650 to Present Units: 3
- HIST 106B - Islamic Societies: The Making of the Muslim Middle East Units: 3
- HIST 107 - East Asian History to 1644 Units: 3
- HIST 108 - East Asian Civilization Since 1644 Units: 3
- HIST 109 - Colonial Latin American History Units: 3
- HIST 109B - Modern Latin America Units: 3
- HIST 200 - World Cultures and History: Prehistory to 1500 CE Units: 3
- HIST 201 - World Cultures and History: 1500 CE to the Present Units: 3
- NAS 104 - Introduction to Native American Studies Units: 3
- PSCI 104 - People and Politics Units: 3
- PSYC 104 - Introduction to Psychology Units: 3
- SW 101 - Introduction to Social Work and Social Work Institutions Units: 3
- SOC 104 - Introduction to Sociology Units: 3
- WS 106 - Introduction to Women's Studies Units: 3

**GE Notes:**

GE requirements cannot be waived and other Cal Poly Humboldt courses cannot be substituted for approved GE courses. To fulfill a particular requirement, a course must be completed during the academic year in which the GE status is designated in the catalog. Courses that meet outcomes of more than one GE area A-F, may only be used to satisfy one of those areas.

**Program Modifications: Lower Division GE Area D**

See the Environmental Resources Engineering, B.S. for information regarding lower division GE Area D requirements.

**Goals: Upon completing this requirement, students will be able to:**

- apply the discipline-specific vocabulary, principles, methodologies, value systems, and ethics employed in social science inquiry, to a specific instance
- explain and critically analyze human social, economic, and political issues from the respective disciplinary perspectives by examining them in contemporary as well as historical settings and in a variety of cultural contexts
- illustrate how human social, political, and economic institutions and behavior are inextricably interwoven.

**Lower Division GE Area E: Lifelong Learning and Self-Development (3 units)**

- AHSS 100 - Argonauts of Human Life Units: 3
- AHSS 101 - The Stories We Tell Units: 3
- AHSS 102 - Humboldt Peoples and Places Units: 3
- AHSS 103 - Your Voice Your Story Units: 3
- AHSS 104S - Global Meets Local in Humboldt Units: 3
- AHSS 106 - Humboldt in Popular Media Units: 3
- AHSS 108 - Nature, Culture and Food Units: 3
- AHSS 109 - Bilingual Experience in California Units: 3
- AHSS 201 - Evolution, Creation and the Robot Apocalypse Units: 3
- BA 202 - Personal and Family Financial Management Units: 3

- CHEM 100 - From Stars to Rocks: Being a Scientist in the 21st Century Units: 3
- CD 209 - Middle Childhood Development Units: 3
- EDUC 101 - Creando Raíces: Identity, Community Building and Social Justice Units: 3
- ESM 200 - Inscape and Landscape Units: 3
- GEOL 100 - From Stars to Rocks: Being a Scientist in the 21st Century Units: 3
- HED 100 - Sound Mind Sound Body Units: 3
- LSEE 101 - Foundations of Education Units: 4
- PHYX 100 - From Stars to Rocks: Being a Scientist in the 21st Century Units: 3
- REC 100 - Leisure in Society Units: 3
- SCI 100 - Becoming a STEM Professional in the 21st Century Units: 3
- SW 101 - Introduction to Social Work and Social Work Institutions Units: 3

#### GE Notes:

GE requirements cannot be waived and other Cal Poly Humboldt courses cannot be substituted for approved GE courses. To fulfill a particular requirement, a course must be completed during the academic year in which the GE status is designated in the catalog. Courses that meet outcomes of more than one GE area A-F, may only be used to satisfy one of those areas.

### Catalog Year Prior to 2018-19

Students with a catalog year prior to 2018-19 should refer to DARS Degree Audit for information about GE Area E.

#### Goals

Upon completing this requirement, students will be able to:

evaluate and explain how physiological, psychological, and sociocultural factors influence the continuum of personal and professional development.

### GE Area F: Ethnic Studies (3 units)

Ethnic Studies requires 3 semester units at the lower or upper division level. Students with a catalog year prior to 2021-2022 should refer to DARS Degree Audit for information about GE Area D.

- ES 105 - Introduction to US Ethnic Studies Units: 3
- ES 106 - Introduction to Black Studies Units: 3
- ES 107 - Chican@/Latinx Lives Units: 3
- ES 202 - Hip Hop and the Black Experience Units: 3
- ES 301 - Media and the Politics of Representation Units: 4
- ES 302 - Asian American Studies Units: 3
- ES 303 - From Civil Rights, Black Power to Black Lives Matter Units: 3
- ES 305 - African American Cultural History Units: 3
- ES 308 - Multi-Ethnic Resistance in the U.S. Units: 3
- NAS 104 - Introduction to Native American Studies Units: 3
- NAS 107 - Introduction to California Indian Peoples and Places Units: 3
- NAS 303 - Native American Psychology Units: 3
- NAS 304 - Native Tribes of California Units: 3

#### GE Notes:

GE requirements cannot be waived and other Cal Poly Humboldt courses cannot be substituted for approved GE courses. To fulfill a particular requirement, a course must be completed during the academic year in which the GE status is designated in the catalog. Courses that meet outcomes of more than one GE area A-F, may only be used to satisfy one of those areas.

#### Goals

Courses that are approved to meet this requirement shall meet at least 3 of the 5 the following core competencies. Campuses may add additional competencies to those listed.

- Analyze and articulate concepts such as race and racism, racialization, ethnicity, equity, ethno-centrism, eurocentrism, white supremacy, self-determination, liberation, decolonization, sovereignty, imperialism, settler colonialism, and anti-racism as analyzed in any one or more of the following: Native American Studies, African American Studies, Asian American Studies, and Latina and Latino American Studies.
- Apply theory and knowledge produced by Native American, African American, Asian American, and/or Latina and Latino American communities to describe the critical events, histories, cultures, intellectual traditions, contributions, lived-experiences and social struggles of those groups with a particular emphasis on agency and group-affirmation.
- Critically analyze the intersection of race and racism as they relate to class, gender, sexuality, religion, spirituality, national origin, immigration status, ability, tribal citizenship, sovereignty, language, and/or age in Native American, African American, Asian American, and/or Latina and Latino American communities.
- Critically review how struggle, resistance, racial and social justice, solidarity, and liberation, as experienced and enacted by Native Americans, African Americans, Asian Americans and/or Latina and Latino Americans are relevant to current and structural issues such as communal, national, international, and transnational politics as, for example, in immigration, reparations, settler-colonialism, multiculturalism, language policies.
- Describe and actively engage with anti-racist and anti-colonial issues and the practices and movements in Native American, African American, Asian American and/or Latina and Latino communities and a just and equitable society.

### Upper Division GE (9 units)

Complete 3 units in each area.

### Upper Division GE Area B: Math & Science

- ANTH 305 - Human Evolutionary Health Units: 3
- ANTH 308 - Sustainable Food Systems Units: 3
- BIOL 301 - History of Biology Units: 3
- BIOL 304 - Human Genetics Units: 3
- BIOL 305 - Social Behavior and Biology Units: 3
- BIOL 306 - California Natural History Units: 3
- BIOL 307 - Evolution Units: 4
- BIOL 308 - Environment and Culture: How People Transformed a Continent Units: 3
- BOT 300 - Plants and Civilization Units: 3
- CHEM 308 - Alchemy Units: 3
- CS 309 - Computers and Social Change Units: 3
- ENGR 305 - Appropriate Technology Units: 3
- ENGR 308 - Technology and the Environment Units: 3
- ESM 302 - Biodiversity on Earth Units: 3
- ESM 303 - Applied Natural History and Ecology Units: 4
- ESM 308 - Ecotopia Units: 3
- FISH 300 - Introduction to Fishery Biology Units: 3
- FOR 302 - Forest Ecosystems and People Units: 3
- FOR 307 - California's Forests and Woodlands Units: 3
- GEOG 302 - Global Ecology and Biogeography Units: 3

- GEOG 308 - Social Justice and the Environment in Africa Units: 3
- GEOL 300 - Geology of California Units: 3
- GEOL 303 - Earth Resources and Global Environmental Change Units: 3
- GEOL 305 - Fossils, Life and Evolution Units: 3
- GEOL 306 - General Geomorphology Units: 3
- GEOL 308 - Natural Disasters Units: 3
- LSEE 308 - Algebra, Geometry, and Data in the Elementary Classroom Units: 3
- MATH 301 - Mathematics and Culture: Historical Perspective Units: 3
- MATH 308B - Mathematics for Elementary Education Units: 3
- MATH 308C - Mathematics for Elementary Education Units: 3 (for prospective elementary teachers)
- OCN 301 - Marine Ecosystems - Human Impact Units: 3
- OCN 304 - Resources of the Sea Units: 3
- PHIL 309B - Perspectives: Humanities/Science/ Social Science Units: 3
- PHYX 303 - Life in the Universe Units: 3
- PHYX 304 - Cosmos Units: 4
- RRS 306 - Wildland Resource Principles Units: 3
- WLDF 300B - Wildlife Ecology and Management Units: 3
- WLDF 301 - Principles of Wildlife Management Units: 3
- WLDF 309 - Case Studies in Environmental Ethics Units: 3
- ART 307 - Arts Integration in the Elementary Classroom Units: 3
- COMM 300 - American Public Discourse Units: 3
- COMM 309B - Gender and Communication Units: 3
- CS 309 - Computers and Social Change Units: 3
- DANC 303 - Dance in World Cultures Units: 3
- ESM 309B - Environmental Communication Units: 3
- ENGL 305 - Postcolonial Literature/Decolonizing Perspectives Units: 3
- ENGL 306 - Contemporary Texts Units: 3
- ENGL 308B - Gender and Literature Units: 3
- ENGL 308C - Gender and Literature Units: 3
- ES 305 - African American Cultural History Units: 3
- FILM 305 - Art of Film: Beginning to 1950s Units: 3
- FILM 306 - Art of Film: 1950s to the Present Units: 3
- FREN 300 - African Storytelling Units: 3-4
- FREN 306 - Sex, Class and Culture: Gender and Ethnic Issues in International Short Stories Units: 3
- GERM 306 - Sex, Class and Culture: Gender and Ethnic Issues in International Short Stories Units: 3
- JMC 302 - Mass Media and Popular Arts Units: 3
- JMC 309 - Analyzing Media Messages Units: 3
- MUS 301 - Rock: An American Music Units: 3
- MUS 302 - Music in World Culture Units: 3
- MUS 305 - Jazz: An American Art Form Units: 3
- NAS 301 - Native American Literature Units: 3
- NAS 302 - Oral Literature and Oral Tradition Units: 3
- PHIL 301 - Reflections on the Arts Units: 3
- PHIL 302 - Environmental Ethics Units: 3
- PHIL 303 - Theories of Ethics Units: 3
- PHIL 304 - Philosophy of Sex and Love Units: 3
- PHIL 306 - Race, Racism and Philosophy Units: 3
- PHIL 307 - Philosophy of Law Units: 3
- PHIL 309B - Perspectives: Humanities/Science/ Social Science Units: 3
- RS 300 - Living Myths Units: 3
- RS 301 - Religion in America Units: 3
- RS 304 - Cultural and Religious Heritage of Africa Units: 3
- SPAN 305 - Hispanic Civilization: Regional Studies Units: 3
- SPAN 306 - Sex, Class and Culture: Gender and Ethnic Issues in International Short Stories Units: 3
- SPAN 308S - Introduction to Translation and Interpretation Units: 3
- TA 307 - Theatre of the Oppressed Units: 3
- WLDF 309 - Case Studies in Environmental Ethics Units: 3
- WS 306 - Sex, Class and Culture: Gender and Ethnic Issues in International Short Stories Units: 3
- WS 308B - Gender and Literature Units: 3
- WS 308C - Gender and Literature Units: 3
- WS 309B - Gender and Communication Units: 3

### Program Upper Division GE Area B Modifications

The following majors have Upper Division GE Area B requirements incorporated into the major requirements: Chemistry, Environmental Resources Engineering, Fisheries Biology, Kinesiology, Oceanography, Physics.

Students can also satisfy 3 units of Upper Division GE Area B by completing an approved minor in one of the disciplines in the College of Natural Resources and Sciences. A minor cannot be awarded to a student receiving a related major of the same name.

### GE Notes:

GE requirements cannot be waived and other Cal Poly Humboldt courses cannot be substituted for approved GE courses. To fulfill a particular requirement, a course must be completed during the academic year in which the GE status is designated in the catalog. Courses that meet outcomes of more than one GE area A-F, may only be used to satisfy one of those areas.

### Goals

- Upon completing this requirement, students will be able to:
- apply scientific concepts and theories to develop scientific explanations of natural phenomena
- critically evaluate conclusion drawn from a particular set of observations or experiments
- discuss value systems and ethics associated with scientific endeavors.

### Upper Division GE Area C: Arts & Humanities

- ART 301 - Topics in Western Art History Units: 3
- ART 302 - Topics in Global Art History Units: 3
- ART 303 - Global Contemporary Art Units: 3
- ART 304 - Topics in American Art Units: 3
- ART 305 - Museums and the Politics of Display Units: 3

### GE Notes:

GE requirements cannot be waived and other Cal Poly Humboldt courses cannot be substituted for approved GE courses. To fulfill a particular requirement, a course must be completed during the academic year in which the GE status is designated in the catalog. Courses that meet outcomes of more than one GE area A-F, may only be used to satisfy one of those areas.

### Goals

- Upon completing this requirement, students will be able to:
- apply discipline-specific vocabulary and central discipline-specific concepts and principles to a specific instance, literary work, or artistic creation
- respond subjectively as well as objectively to aesthetic experiences and will differentiate between emotional and intellectual responses
- explain the nature and scope of the perspectives and contributions found in a particular discipline within the Arts and Humanities as related to the human experience, both individually (theirs) and collectively.
- Upon completing a course in the arts, students will be able to:
- demonstrate an understanding of the intellectual, imaginative, and cultural elements involved in the creative arts through their (or, "as a result of their") participation in and study of drama, music, studio art, and/or creative writing.
- Upon completing a course in the humanities, students will be able to:
- discuss the intellectual, historical, and cultural elements of written literature through their study of great works of the human imagination.

- PSYC 302 - Psychology of Prejudice Units: 3
- PSYC 306 - Health Psychology Units: 3
- REC 302 - Inclusive Recreation Units: 3
- RS 306 - Gods and Kings in the Ancient Near East Units: 4
- SOC 302 - Forests and Culture Units: 3
- SOC 303 - Race and Inequality Units: 3
- SOC 305 - Global Transformations Units: 3
- SOC 306 - The Changing Family Units: 3
- SOC 308 - Sociology of Altruism and Compassion Units: 3
- WLDF 309 - Case Studies in Environmental Ethics Units: 3
- WS 300 - Psychology of Women Units: 3
- WS 303 - Anti-Colonial Women's Movements Units: 3
- WS 309B - Gender and Communication Units: 3

#### GE Notes:

GE requirements cannot be waived and other Cal Poly Humboldt courses cannot be substituted for approved GE courses. To fulfill a particular requirement, a course must be completed during the academic year in which the GE status is designated in the catalog. Courses that meet outcomes of more than one GE area A-F, may only be used to satisfy one of those areas.

#### Goals

- Upon completing this requirement, students will be able to:
- apply the discipline-specific vocabulary principles, methodologies, value systems and ethics employed in social science inquiry, to a specific instance
- explain and critically analyze human social, economic, and political issues from the respective disciplinary perspectives by examining them in contemporary as well as historical settings and in a variety of cultural contexts
- illustrate how human social, political, and economic institutions and behavior are inextricably interwoven

## Upper Division GE Area D: Social Sciences

- ANTH 302 - Anthropology of Religion Units: 3
- ANTH 307 - World Heritage and Archaeology Units: 3
- BA 304 - Business Psychology Units: 3
- CS 309 - Computers and Social Change Units: 3
- COMM 309B - Gender and Communication Units: 3
- ECON 305 - International Economics and Globalization Units: 3
- ECON 306 - Economics of the Developing World Units: 3
- ECON 308 - History of Economic Thought Units: 3
- ECON 309 - Economics of a Sustainable Society Units: 3
- ESM 301 - International Environmental Issues and Globalization Units: 3
- ESM 305 - Environmental Conflict Resolution Units: 3
- ESM 309B - Environmental Communication Units: 3
- ES 304 - Migrations and Mosaics Units: 3
- ES 306 - World Regions Cultural Studies Units: 3
- ES 307 - Multicultural History of Africa Units: 3
- ES 308 - Multi-Ethnic Resistance in the U.S. Units: 3
- GEOG 300 - Global Awareness Units: 3
- GEOG 301 - International Environmental Issues and Globalization Units: 3
- GEOG 304 - Migrations and Mosaics Units: 3
- HIST 300 - The Era of World War I Units: 3
- HIST 301 - The Era of World War II Units: 3
- HIST 305 - The American West Units: 3
- HIST 306 - Gods and Kings in the Ancient Near East Units: 4
- JMC 305 - Global Media and Society Units: 3
- JMC 306 - Mass Media History Units: 3
- JMC 309 - Analyzing Media Messages Units: 3
- NAS 306 - Indigenous Peoples of the Americas Units: 3
- NAS 307 - Nature and Issues of Genocide Units: 3
- PHIL 307 - Philosophy of Law Units: 3
- PHIL 309B - Perspectives: Humanities/Science/ Social Science Units: 3
- PSCI 303 - Global Inequalities Units: 3
- PSCI 305 - Food Politics and the American Dream Units: 3
- PSCI 306 - Environmental Politics Units: 3
- PSYC 300 - Psychology of Gender Units: 3

## All University Requirements

### American Institutions (6 units)

The California State University requires every student receiving a baccalaureate degree to be knowledgeable about the Constitution of the United States, American history, and California state and local government. Students must complete 6 units, with one course (3 units) in each subarea: U.S. History and U.S. and California Government.

The American Institutions requirement is separate from GE; however one American Institutions course may be used to fulfill one GE area D discipline requirement. Students who take NAS 200 may choose to fulfill one course requirement in either GE area D or GE area F, but not both. A maximum of one American Institutions course at Cal Poly Humboldt may count in lower division GE. Regardless of whether a lower or upper division American Institutions course is applied to GE, it will count for lower division GE, not upper division.

### U.S. and California Government

The following courses meet both U.S. government and California state and local government requirements.\*

- FOR 359 - CA and US Forest and Wildland Policy Units: 3
- PSCI 110 - American Government Units: 3
- PSCI 159 - California Government Units: 3
- PSCI 410 - US Constitutional Law Units: 4 ‡

#### U.S. Government Notes:

A student who has earned credit for a course on US Government via an AP exam, CLEP exam, or at a university outside of California will have

met the US Government portion of this requirement, but not the "California state and local government" requirement. In this case, a student may enroll in PSCI 160 - California Institutions, a 1-unit CR/NC course that meets only this portion of the requirement.

Students in the Environmental Resources Engineering program should refer to the ERE program description for this area of general education

### Goals

Upon completing this requirement, students will be able to:

- distinguish the key philosophies of the framers of the US Constitution
- demonstrate an understanding of the nature and operation of major US political institutions and processes
- identify the liberties, rights, and responsibilities of citizens under the political system established by the US Constitution
- demonstrate an understanding of the California Constitution and state and local government within the framework of evolving Federal-State relations.

## U.S. History

- ECON 323 - Economic History of the US Units: 3
- HIST 110 - United States History to 1877 Units: 3
- HIST 111 - United States History from 1877 Units: 3
- NAS 200 - Indigenous Peoples in U.S. History Units: 3

### All-University Course Notes:

All-University requirements cannot be waived and other Cal Poly Humboldt courses cannot be substituted for approved American Institutions and Diversity and Common Ground courses. To fulfill these requirements, a course must be completed during the academic year in which its All-University status is designated in the catalog.

### Goals

Upon completing this requirement, students will be able to:

- explain significant events covering a time span of at least 100 years of U.S. history, including the relationships of U.S. regions and relationships with foreign nations
- analyze the roles of major ethnic and social groups in the significant events above, and the contexts in which those events have occurred
- explain how these events illustrate both the continuity of "the American experience" and its derivation from other cultures by considering at least three of the following: politics, economics, social movements, and geography

## Diversity and Common Ground (6 units)

Students must complete at least two DCG courses (6 units); one of these courses must be designated domestic (focused within the boundaries of the United States); the second course may either be domestic or international/transnational (non-domestic) in focus.

### Diversity and Common Ground: Domestic

The following courses are designated domestic (focused within the boundaries of the United States).

#### DCG Domestic & LD GE Area C

- ART 104J - American Art Units: 3
- ES 106 - Introduction to Black Studies Units: 3
- ES 107 - Chican@/Latinx Lives Units: 3
- WS 107 - Women, Narrative, History Units: 3

#### DCG Domestic & LD GE Area D

- CRGS 108 - Power/Privilege: Gender and Race, Sex, Class Units: 3

- ES 105 - Introduction to US Ethnic Studies Units: 3
- NAS 104 - Introduction to Native American Studies Units: 3
- SW 101 - Introduction to Social Work and Social Work Institutions Units: 3
- WS 106 - Introduction to Women's Studies Units: 3

#### DCG Domestic & LD Area E

- AHSS 108 - Nature, Culture and Food Units: 3
- SW 101 - Introduction to Social Work and Social Work Institutions Units: 3

#### DCG Domestic & GE Area F

- ES 105 - Introduction to US Ethnic Studies Units: 3
- ES 106 - Introduction to Black Studies Units: 3
- ES 107 - Chican@/Latinx Lives Units: 3
- ES 305 - African American Cultural History Units: 3
- ES 308 - Multi-Ethnic Resistance in the U.S. Units: 3
- ES 303 - From Civil Rights, Black Power to Black Lives Matter Units: 3
- NAS 104 - Introduction to Native American Studies Units: 3

#### DCG Domestic & UD GE Area C

- ART 304 - Topics in American Art Units: 3
- COMM 300 - American Public Discourse Units: 3
- COMM 309B - Gender and Communication Units: 3
- ENGL 308B - Gender and Literature Units: 3
- ES 305 - African American Cultural History Units: 3
- MUS 301 - Rock: An American Music Units: 3
- NAS 301 - Native American Literature Units: 3
- NAS 302 - Oral Literature and Oral Tradition Units: 3
- PHIL 306 - Race, Racism and Philosophy Units: 3
- RS 301 - Religion in America Units: 3
- SPAN 308S - Introduction to Translation and Interpretation Units: 3
- TA 307 - Theatre of the Oppressed Units: 3
- WS 308B - Gender and Literature Units: 3
- WS 309B - Gender and Communication Units: 3

#### DCG Domestic & UD GE Area D

- COMM 309B - Gender and Communication Units: 3
- ES 304 - Migrations and Mosaics Units: 3
- ES 308 - Multi-Ethnic Resistance in the U.S. Units: 3
- GEOG 304 - Migrations and Mosaics Units: 3
- NAS 306 - Indigenous Peoples of the Americas Units: 3
- PSYC 300 - Psychology of Gender Units: 3
- PSYC 302 - Psychology of Prejudice Units: 3
- REC 302 - Inclusive Recreation Units: 3
- SOC 303 - Race and Inequality Units: 3
- SOC 306 - The Changing Family Units: 3
- WS 300 - Psychology of Women Units: 3
- WS 309B - Gender and Communication Units: 3

#### DCG Domestic & American Institutions U.S. History

- NAS 200 - Indigenous Peoples in U.S. History Units: 3

#### DCG Domestic (The following courses do not double-count for GE.)

- AIE 330 - History of Indian Education Units: 3
- AIE 335 - Social and Cultural Considerations Units: 3
- AIE 340 - Instructional Practices in American Indian Education Units: 3
- CD 310 - Perspectives: History and Theory Units: 3

- CD 352 - Parent/Child Relationships Units: 3
- CD 467 - Working with Culturally Diverse Families Units: 3
- CD 467S - Working with Culturally Diverse Families Units: 3
- COMM 315 - Communication and Social Advocacy Units: 4
- COMM 222 - Intercultural Communication Units: 4
- CRGS 313 - Community Activism Units: 3
- CRGS 360 - Race, Gender and US Law Units: 4
- EDUC 313 - Community Activism Units: 3
- EDUC 318 - LGBTQIA+ Issues in Schools Units: 3
- ENGL 232 - U.S. Literature and Social Change Units: 4
- ENGL 336 - U.S. Writers of Color Units: 4
- ENGL 410 - Topics in Queer and Trans Studies Units: 4
- ENGL 465B - Multicultural Issues in Literature/Languages Units: 4
- ENST 295 - Power, Privilege and the Environment Units: 4
- ES 202 - Hip Hop and the Black Experience Units: 3
- ES 314 - Chicano Culture and Society in America Units: 3
- ES 303 - From Civil Rights, Black Power to Black Lives Matter Units: 3
- ES 301 - Media and the Politics of Representation Units: 4
- ES 336 - U.S. Writers of Color Units: 4
- ES 465B - Multicultural Issues in Literature/Languages Units: 4
- HIST 372 - Rise of Modern America, 1877- 1929 Units: 4
- HIST 374 - Contemporary America, 1929 to the Present Units: 4
- KINS 474 - Psychology of Sport and Exercise Units: 3
- NAS 200 - Indigenous Peoples in U.S. History Units: 3
- NAS 331 - Indigenous Natural Resource Management Practices Units: 3
- NAS 332 - Environmental Justice Units: 3
- NAS 468 - Tribal Justice Systems Units: 3
- SOC 316 - Gender and Society Units: 4
- SPAN 408S - Field Experience: Translation and Interpretation Units: 1-4
- WS 316 - Gender and Society Units: 4
- WS 318 - LGBTQIA+ Issues in Schools Units: 3
- WS 336 - U.S. Writers of Color Units: 4
- WS 350 - Health and Body Politics Units: 4
- WS 465B - Multicultural Issues in Literature/Languages Units: 4

**Note:** Courses that meet outcomes of more than one GE area A-F, may only be used to satisfy one of those areas.

All-University requirements cannot be waived and other Cal Poly Humboldt courses cannot be substituted for approved DCG courses. To fulfill these requirements, a course must be completed during the academic year in which its All-University status is designated in the catalog.

#### Goals

Upon completing this requirement, students will be able to analyze the complexity of diversity through the perspective of differential power and privilege, identity politics, and/or multicultural studies.

## Diversity and Common Ground: Non-Domestic

The following courses are designated as non-domestic (international and transnational in focus).

### DCG Non-Domestic & LD GE Area C

- ART 100 - Global Perspectives in Art Units: 3
- ART 104K - Africa, Oceania, the Americas Units: 3
- ART 104M - Latin American Art Units: 3
- ART 104N - Asian Art Units: 3
- FILM 109 - Film Comedy Around the World Units: 3
- FREN 107 - French Level III Units: 4
- FREN 207 - French IV and Intro to Francophone Studies Units: 4
- GERM 207 - German Language and Culture IV Units: 4
- GERM 107 - German Language and Culture III Units: 4
- PHIL 104 - Asian Philosophy Units: 3
- RS 105 - World Religions Units: 3
- SPAN 107 - Spanish Language and Culture III Units: 4
- SPAN 108 - Level III Heritage Speakers Units: 4
- SPAN 108S - Level III Heritage Speakers Units: 4
- SPAN 207 - Spanish Language and Culture IV Units: 4
- SPAN 208 - Level IV Heritage Speakers Units: 4
- SPAN 208S - Level IV Heritage Speakers Units: 4

### DCG Non-Domestic & LD GE Area D

- ANTH 102 - Introduction to the Anthropology of Language Units: 3
- ANTH 104 - Cultural Anthropology Units: 3
- GEOG 105 - Human Geography Units: 3
- HIST 106B - Islamic Societies: The Making of the Muslim Middle East Units: 3

### DCG Non-Domestic & UD GE Area B

- ANTH 305 - Human Evolutionary Health Units: 3
- MATH 301 - Mathematics and Culture: Historical Perspective Units: 3

### DCG Non-Domestic & UD GE Area C

- ART 302 - Topics in Global Art History Units: 3
- ART 303 - Global Contemporary Art Units: 3
- DANC 303 - Dance in World Cultures Units: 3
- ENGL 305 - Postcolonial Literature/Decolonizing Perspectives Units: 3
- ENGL 308C - Gender and Literature Units: 3
- FREN 300 - African Storytelling Units: 3-4
- FREN 306 - Sex, Class and Culture: Gender and Ethnic Issues in International Short Stories Units: 3
- GERM 306 - Sex, Class and Culture: Gender and Ethnic Issues in International Short Stories Units: 3
- MUS 302 - Music in World Culture Units: 3
- RS 304 - Cultural and Religious Heritage of Africa Units: 3
- SPAN 306 - Sex, Class and Culture: Gender and Ethnic Issues in International Short Stories Units: 3
- WS 306 - Sex, Class and Culture: Gender and Ethnic Issues in International Short Stories Units: 3
- WS 308C - Gender and Literature Units: 3

### DCG Non-Domestic & UD GE Area D

- ANTH 302 - Anthropology of Religion Units: 3
- ANTH 307 - World Heritage and Archaeology Units: 3



- ECON 306 - Economics of the Developing World Units: 3
- ES 306 - World Regions Cultural Studies Units: 3
- GEOG 300 - Global Awareness Units: 3
- JMC 305 - Global Media and Society Units: 3
- NAS 307 - Nature and Issues of Genocide Units: 3
- PSCI 303 - Global Inequalities Units: 3
- WS 303 - Anti-Colonial Women's Movements Units: 3

- Upper Division GE Area B requirement met by the major. Physics, B.S.
- Upper Division GE Area B requirement met by the major. Social Work, B.A.
- Upper Division GE Area D requirement met by the major.

**DCG Non-Domestic (The following courses do not double-count for GE.)**

- BA 410 - International Business Units: 4
- CRGS 390 - Theory and Methods Units: 4
- ENGL 465C - Multicultural Issues in Literature/Languages Units: 4
- ES 310 - U.S. and Mexico Border Units: 4
- ES 465C - Multicultural Issues in Literature/Languages Units: 4
- FREN 311 - French V and Stories from the Francophone World Units: 4
- HIST 323 - Gender and Sexuality in East Asian History Units: 4
- HIST 327 - History of Brazil Units: 4
- HIST 328 - Women and Gender in Latin America Units: 4
- HIST 345 - Imperialism Units: 4
- HIST 377 - Vietnam Wars Units: 4
- RS 340 - Zen, Dharma and Tao Units: 3
- TA 341 - Theatre History and Criticism II Units: 4
- WS 340 - Ecofeminism Units: 3-4
- WS 465C - Multicultural Issues in Literature/Languages Units: 4

## Approved General Education Modifications by Major

These programs have received approval for one or more GE requirement to be fulfilled by the completion of the major. The following approved GE modifications are effective for students with a catalog year of 2021-22. Students who change out of these majors are encouraged to contact the Office of the Registrar or the Academic & Career Advising Center regarding completion of GE requirements.

Chemistry, B.S.

- Upper Division GE Area B requirement met by the major.

Child Development and Family Relationships, B.A.

- Upper Division GE Area D requirement met by the major.

Environmental Resources Engineering, B.S.

- Lower Division GE Areas A: Oral Communication (3 Units), A: Critical Thinking (3 Units), D (3 Units), and E (3 Units); Upper Division GE Area B: (3 Units). In addition, the ERE program has approval for courses fulfilling requirements in American Institutions (6 Units) to count as fulfilling Lower Division GE (6 Units). It is recommended that ERE majors choose NAS 200 to satisfy both GE area F and the U.S. History American Institutions requirements.

Fisheries Biology, B.S.

- Upper Division GE Area B requirement met by the major.

Kinesiology, B.S.

- Upper Division GE Area B requirement met by the major.

Liberal Studies, B.A.

- Upper Division GE Area D requirement met by the major.

Oceanography, B.S.

# Master's Degree Requirements

## Degree Programs

Cal Poly Humboldt is authorized to offer the following programs.

Applied English Studies, M.A.  
Business Administration, M.B.A.  
Biology, M.S.  
Counseling Psychology, M.A.  
Education, M.A.  
Environmental Systems, M.S.  
Kinesiology, M.S.  
Natural Resources, M.S.  
Psychology, Academic Research Concentration, M.A.  
Public Sociology, M.A.  
School Psychology, M.A.  
Social Science, Environment and Community Concentration, M.A. (not accepting applications for 2021-22)  
Social Work, M.S.W.

## Admission Procedures & Policies

Admission Requirements. See "Graduate Admission Requirements."

Application Procedure. See "Graduate & Post-Baccalaureate Application Procedures."

## Candidacy

Admission to candidacy is an acknowledgement of a student's potential to complete the requirements for the master's degree. Students should apply for advancement to candidacy and graduation at least one semester prior to completion of course requirements. Some programs require earlier application. A student must be enrolled in the semester during which advancement to candidacy takes place.

### Candidacy Requirements

- Graduate classified standing (fulfilled all program admission requirements);
- A GPA of 3.00 or better;
- Completion of 12 to 15 units approved coursework for the master's program;
- Approval of the advisor, committee, and graduate coordinator; and
- Approval of any plan to use humans or animals as subjects in research if applicable. (See "Use of Human Subjects in Research" or "Use of Animals in Research" in the Graduate Student Handbook for more information.)

Forms are available on the Cal Poly Humboldt Forms website. Some programs require their students to advance to candidacy within their first year at the university.

## Graduate Degree Requirements

General requirements for the master's degree programs as specified by Title 5 are below. Discipline-specific requirements are outlined in the program description section of this catalog.

Completion of a specified program of study, usually requiring approval from the university department.

Completion of a minimum of 30 semester units of approved coursework within a maximum of seven years. (See "Seven-Year Limit"). This standard includes:

- 21 or more semester units must be completed at Cal Poly Humboldt, after admission to the graduate program (resident requirement);
- At least half the units must be at the graduate level (numbered 500-699 at Cal Poly Humboldt);
- lower division course (numbered 100-299 at Cal Poly Humboldt) cannot be counted toward the degree;
- No more than 6 thesis or project units will apply toward the degree with a maximum of 9 total units for independent study, field work, and thesis/project courses.
- No more than 9 units of Open University /Special Session courses can apply toward the degree (courses must be included in the candidate's approved master's program). Open University is not available to matriculated students (those officially admitted to and eligible to register at Cal Poly Humboldt during the current semester or the previous two semesters). Regularly enrolled students who are academically disqualified from the university are not eligible to enroll in coursework through Extended Education and Global Engagement for an academic year.

Graduate students can choose optional CR/ NC only for courses not required by their approved program. No more than one-third of master's degree courses may be taken credit/no credit. Students must earn a B- or better in all courses taken to satisfy the requirements for the degree and maintain a grade point average of 3.00 or better. A higher grade standard than the campus minimum of B- may be specified by a graduate degree program.

Completion of an approved thesis, project, or comprehensive examination, as defined by Title 5:

A thesis is the written product of a systematic study of a significant problem. It identifies the problem, states the major assumptions, explains the significance of the undertaking, sets forth the sources for and methods of gathering information, analyzes the data, and offers a conclusion or recommendation. The finished product evidences originality, critical and independent thinking, appropriate organization and format, and thorough documentation. Normally, an oral defense of the thesis is required.

A project is a significant undertaking appropriate to the fine and applied arts or to professional fields. It evidences originality and independent thinking, appropriate form and organization, and a rationale. It is described and summarized in a written abstract that includes the project's significance, objectives, methodology and a conclusion or recommendation. An oral defense of the project may be required.

A comprehensive examination assesses a student's ability to integrate knowledge of the area, show independent and critical thinking, and demonstrate mastery of the subject matter. The results evidence independent thinking, appropriate organization, critical analysis, and accuracy of documentation. Examination questions and responses are kept according to the CSU records retention policy.

The California State University, under Executive Order 665, requires that graduate students demonstrate competency in writing. The graduate writing requirements are built into each program.

## Graduate Financial Aid

Placement in one or another of the post-baccalaureate admission categories has an effect on student eligibility for financial aid. Contact the Financial Aid Office, 707-826-4321, for clarification of eligibility.

## Academic Probation & Disqualification

Graduate students, including those who are classified or conditionally classified, will be placed on academic probation if their Humboldt grade

point average falls below a 3.00 (B grade average). See "Academic Probation & Disqualification."

## Administrative-Academic Probation and Disqualification

See "Administrative-Academic Probation & Disqualification." All the reasons for administrative-academic probation and disqualification for undergraduate students shall apply to graduate students. In addition:

1. Students may be placed on administrative- academic probation by the Dean of Graduate Studies, following a request from the program/department and consultation with other appropriate offices, for failure to comply, after due notice, with a requirement or regulation, as defined by campus or program policy which is routine for all students or a defined group of students (e.g., demonstrating consistently disruptive behavior, hostile or abusive behavior, failure to advance to candidacy, failure to abide by standards set by approved external placements, etc.). The probationary student shall be informed in writing by the graduate dean (with a copy provided to the department/ program).
2. The Dean of Graduate Studies shall inform the Office of the Registrar when students have been placed on or removed from administrative-academic probationary status so that student records can be updated. When a student is placed on academic or administrative-academic probation, the student must work with the program coordinator to develop a plan for remediation, including a timeline for completion. In the case of administrative-academic probation, the remediation plan must be approved by the Dean of Graduate Studies, who will send a letter to the student documenting the plan. A student cannot be advanced to candidacy if the student is on either academic or administrative-academic probation.

A student who has been placed on administrative- academic probation may be disqualified from further attendance by the Dean of Graduate Studies if any of the conditions for disqualification apply. In addition:

In the event that a student fails the thesis/ project defense, the student may repeat the thesis/project defense once. Failure at the second thesis/project defense will result in disqualification from a program. The thesis/ project committee will specify the time period and/or conditions of the repeated defense. A student may repeat a comprehensive examination once. Failure of the second comprehensive examination results in disqualification from a program. The comprehensive exam committee will specify the time period and/or conditions of the repeated examination. Students who are disqualified at the end of an enrollment period should be notified by the Dean of Graduate Studies before the beginning of the next consecutive regular enrollment period.

Students disqualified at the beginning of a summer enrollment break should be notified at least one month before the start of the fall term. In cases where a student ordinarily would be disqualified at the end of a term, save for the fact that it is not possible to make timely notification, the student may be advised that the disqualification is to be effective at the end of the next term. Such notification should include any conditions which, if met, would result in permission to continue in enrollment. Inability to contact a student does not create the right of a student to continue enrollment.

## Continuous Enrollment

In order to maintain continuous enrollment, students are required to enroll for a minimum of one unit per term for at least two terms per academic year (fall, spring, summer) until their degree requirements are completed. Students who do not maintain continuous enrollment (two terms each academic year), and who have not been granted a leave of absence, must reapply for admission to the university and to the graduate program. They will be subject to any new admission requirements and if

admitted, will be required to meet the degree requirements in effect at the time of readmit.

## Educational Leave of Absence

An educational leave of absence must be requested if continuous enrollment, as defined above, will be interrupted. At least one term must be completed prior to taking a leave of absence. The maximum duration of a single leave is one academic year; the total duration of combined leaves may not exceed two years. A leave of absence does not extend the seven-year time limit. See Academic Regulations & Enrollment, "Educational Leave (Leave of Absence)".

## Extended Education

Some departments allow master's students to register for one unit of a discipline-specific x693 course through the Extended Education. Enrollment in the discipline-specific x693 course maintains continuous enrollment and status in the master's degree program.

The minimum requirements to be eligible to enroll through Extended Education are:

- Advancement to candidacy;
- Completion of all the coursework required for the degree; and
- Current graduation date on file with the Office of the Registrar.

Additional requirements for registering through extended education vary by program. The Graduate Continuous Enrollment form is used to request authorization to enroll in one unit of discipline-specific x693 course through Extended Education. Forms are available online on the Cal Poly Humboldt Forms website.

This policy does not apply to credential candidates.

## Graduate Credit

No grade below B- counts as a passing grade when meeting requirements for the master's degree. In fact, some programs require students to repeat work for which they receive a grade below B. Check with the graduate coordinator for more information.

## Graduate Credit for Undergraduates

Undergraduate students may earn graduate credit by petition under the following circumstances:

- Only courses taken in the final semester of the senior year are applicable;
- No more than 6 units remain to complete requirements for the bachelor's degree;
- Cumulative GPA is 2.5 or higher;
- Applicable courses are upper division or graduate level and, if being used for graduate credit, are not also being used for undergraduate credit;
- Application for graduation (degree check) is on file with the Registrar;
- No more than 9 units taken as an undergraduate may be applied to the master's degree;

Students must complete the Petition for Graduate Credit (To be Earned in Final Semester of Senior Year) form available on the Forms website.

## Graduation, Application for

Students apply for graduation at the same time as they apply for advancement to candidacy. The dual application initiates a degree check

to ensure that the coursework listed meets the requirements of the master's degree program.

The graduate student application for graduation should be filed at least one semester before finishing all degree requirements. Forms are available online on the Forms website and application deadlines are published on Academic Deadlines.

## Second Master's Degree

Preparation equivalent to an undergraduate major in the student's field is prerequisite to earning a second master's degree. The program for the second degree requires a minimum of 30 semester units, 24 of which must be beyond the requirements for the first master's degree and 21 of which must be completed in residence. In addition, students must meet the requirements set by their graduate committee.

## Seven-Year Limit

Title 5 Education of the California Administrative Code of Regulations limits the maximum time for completing a master's degree program to seven years. The seven years is calculated from the time of completion of the oldest course listed on the Approved Graduate Course List. An extension may be granted if warranted by individual circumstances and if the outdated coursework is validated by examination. See the Graduate Student Handbook for additional information.

What Cal Poly Humboldt graduates should know and be able to do as a result of their Humboldt experience

## Cal Poly Humboldt graduates at the master's level will be able to:

- elucidate the major theories, research methods and approaches to inquiry and/or schools of practice in the student's field of study; articulate their sources and illustrate both their application and their relationships to allied fields
- disaggregate, adapt, reformulate and employ principal ideas, techniques or methods at the forefront of their field of study in the context of a written product or project
- provide adequate evidence (through papers, projects, notebooks, computer files or catalogues) of contributing to, expanding, assessing, and/or refining knowledge within their field of study
- create sustained, coherent arguments or explanations and reflections on their work or that of collaborators (if applicable), to both general and specialized audiences
- apply the ethical framework(s) appropriate to their field of study
- employ the tools, concepts, and methods appropriate to their inquiry in a project, paper or performance

# Majors

## Anthropology, B.A.

Concerned with the world's diverse cultures, anthropology provides education and experience to help students understand the perspectives of peoples in other places, settings, and times. It develops critical and analytical skills and empathic understanding. Students can pursue a wide number of anthropological fields: social and cultural, archaeological, linguistic, and biological.

Cal Poly Humboldt's unique setting in proximity to nine Native American tribes presents a rare opportunity for learning about the first Nations of North America and their contemporary relationships to other cultures of the U.S. Our region's cultural richness includes immigrant communities and families as well as students and faculty of diverse nationalities at Humboldt. Combined with our department's emphasis on international and applied experience, this context allows our students to obtain an academic and experiential education in the study of culture.

Anthropology provides an excellent liberal arts background, benefiting many careers. Wherever cross-cultural relations are present, or wherever culturally broad perspectives are valuable (education, social services, medicine, business, legal services, and journalism), anthropologists can make strong contributions.

Humboldt's program provides a strong foundation for graduate study. Graduates have established careers in archaeology, linguistics, international development, foreign affairs, health services, multicultural education, environmental planning and research, biological and medical research, cultural resource management, and professional anthropology.

At the high school level, students can prepare for a major in Anthropology through the study of college preparatory courses, especially including second-language learning, social sciences, mathematics, and biology. At the university level we encourage students to continue with a carefully-planned breadth of education in these areas.

Learn more about our program on the Department of Anthropology website.

### Requirements for the Bachelor's Degree

A bachelor's degree requires a total of 120 units. Students must fulfill General Education & All-University Requirements, residency, unit, and GPA requirements as outlined in the Bachelor's Degree Requirements.

### Requirements for the Major (46 Units)

Review your degree plan with your advisor each semester, and ask how to best apply international study and field school work toward the requirements of your major.

### Core Courses (31 Units)

The following core courses are required for all anthropology majors.

- ANTH 103 - Biological Anthropology Units: 3
- ANTH 104 - Cultural Anthropology Units: 3
- ANTH 105 - Archaeology and World Prehistory Units: 3
- ANTH 102 - Introduction to the Anthropology of Language Units: 3
- ANTH 210 - Introduction to the Anthropology Major Units: 1
- ANTH 310 - Theory and History in Anthropology Units: 4
- ANTH 410 - Anthropology Capstone Units: 4

### Methods Training

Complete two courses.

- ANTH 318 - Ethnography Units: 4
- ANTH 330 - Method and Theory in Biological Anthropology Units: 4

- ANTH 350 - Method and Theory in Archaeology Units: 4

### Applied Leadership Experience

Complete one course.

- ANTH 482 - Anthropology Internship/Lab/ Research Units: 2
- ANTH 483 - Anthropology Teaching and Leadership Units: 2

### Emphases (15 Units)

Complete one of the following emphases and associated breadth areas to fulfill the requirements of the major.

#### Archaeology Emphasis

Complete at least three courses (at least 9 Units) from the following:

- ANTH 307 - World Heritage and Archaeology Units: 3
- ANTH 351 - Archaeological Materials Analysis Units: 4
- ANTH 352 - Experimental Archaeology Units: 4
- ANTH 353 - Archaeology of Warfare Units: 4
- ANTH 354 - Cultural Resource Management Units: 4
- ANTH 357 - Field Archaeology Units: 1-6
- ANTH 358 - Archaeology Lab Units: 1-3
- ANTH 359 - Special Topics in Archaeology Units: 1-4
- ANTH 394 - Regional Survey of North American Archaeology Units: 4
- ANTH 395 - Mesoamerican Archaeology Units: 4
- Advisor Approved Elective (e.g., arch lab, field program, independent study)

#### Breadth

Complete one course (minimum 3 Units) from the Biological Anthropology group and one course (minimum 3 Units) from the Sociocultural & Linguistic Anthropology group.

#### Biological Anthropology Emphasis

Complete at least three courses (at least 9 Units) from the following:

- ANTH 305 - Human Evolutionary Health Units: 3
- ANTH 331 - Paleoanthropology Units: 4
- ANTH 332 - Skeletal Biology and Forensics Units: 4
- ANTH 333 - Primate Adaptation and Evolution Units: 4
- ANTH 334 - Anthropology, Ecology and Conservation Units: 4
- ANTH 339 - Special Topics in Biological Anthropology Units: 1-4
- Advisor approved elective (e.g., bioanth lab, field program, independent study, anatomy.)

#### Breadth

Complete one course (minimum 3 Units) from the Archaeology group and one course (minimum 3 Units) from the Sociocultural & Linguistic Anthropology group.

#### Sociocultural & Linguistic Anthropology Emphasis

Complete at least three courses (at least 9 Units) from the following:

- ANTH 302 - Anthropology of Religion Units: 3
- ANTH 316 - Anthropology and Development Units: 4
- ANTH 317 - Gender and Development Units: 4
- ANTH 329 - Selected Topics in Social Anthropology Units: 1-4
- ANTH 340 - Language and Culture Units: 4
- ANTH 341 - Anthropological Linguistics Units: 4
- ANTH 390 - World Regions Cultural Seminar Units: 4

- Advisor approved elective (e.g., field program, independent study.)

## Breadth

Complete one course (minimum 3 Units) from the Archaeology group and one course (minimum 3 Units) from the Biological Anthropology group.

## Anthropology Program Learning Outcomes

Students completing this program will have demonstrated:

- understanding of the diversity of cultural values reflected in different patterns of social and political organization and systems of communication (symbolic and linguistic)
- the ability to think critically and to apply the scientific method in the various sub-fields of the discipline (cultural, biological, archaeology, linguistics, and applied)
- understanding of the complex and interrelated processes of change (biological and cultural evolution, diffusion, colonialism, globalization) both within cultures and across cultural boundaries
- a solid grasp of the relevance of anthropology to present-day policy and social issues such as human rights, health, historical preservation, conservation, economic development, language use, and cultural practices.
- skills (critical thinking, communication, information literacy and research and technical skills) needed to apply anthropology in practical and professional settings.

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## Art, B.A.

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Our curriculum is designed to empower students to take risks, to arrive at insights about society, and to understand themselves. We offer our students a rigorous grounding in the fundamentals, and we provide an excellent education in the history, practice and teaching of the visual arts. We challenge our students to exceed their preconceived limits, and we strive to produce graduates who will go forward with confidence in their skills, abilities, and potential. We also recognize the importance of technology, a force in our society with the ability to free artists, historians, and educators from the boundaries of our traditional disciplines.

### Requirements for the Bachelor's Degree

A bachelor's degree requires a total of 120 units. Students must fulfill General Education & All-University Requirements, residency, unit, and GPA requirements as outlined in the Bachelor's Degree Requirements.

### Requirements for the Major (51-57 Units)

Students must receive a minimum grade of C- in any major course for it to count toward the major.

### Core Courses (31- 32 Units)

The following courses are required for all art majors.

#### Lower Division Core

- ART 103A - Prehistoric to Medieval Art Units: 3
- ART 103B - Renaissance to Contemporary Art Units: 3
- ART 105B - Fundamentals of Drawing Units: 3
- ART 105C - 2D Foundations Units: 3
- ART 105D - 3D Foundations Units: 3

#### Upper Division Core

- ART 303 - Global Contemporary Art Units: 3
- ART 303M - Global Contemporary Art Depth Experience Units: 1

### Complete one course from the following list.

- ART 301 - Topics in Western Art History Units: 3
- ART 302 - Topics in Global Art History Units: 3
- ART 304 - Topics in American Art Units: 3
- ART 305 - Museums and the Politics of Display Units: 3 (required for Art History Concentration)

### Complete two courses from the following list.

- ART 321 - Drawing II Units: 3
- ART 324 - Drawing III Units: 3
- ART 325 - Life Drawing II Units: 3
- ART 326 - Painting II Units: 3
- ART 329 - Painting III Units: 3
- ART 330 - Printmaking: Studio Topics Units: 3
- ART 333 - Printmaking Portfolio Development Units: 3
- ART 337 - Photography: Studio Topics Units: 3
- ART 339 - Photography : Portfolio Development Units: 3
- ART 340 - Digital Media II Units: 3
- ART 343 - Digital Media: Portfolio Development Units: 3
- ART 345 - Sculpture: Studio Topics Units: 3
- ART 346 - Sculpture: Materials and Methods Units: 3
- ART 347 - Sculpture: Portfolio Development Units: 3
- ART 348 - Jewelry/Small Metals: Casting and Fabrication Units: 3
- ART 349 - Jewelry/Small Metals: Studio Units: 3
- ART 350 - Ceramics: High Fire Units: 3
- ART 351 - Ceramics: Low Fire Units: 3
- ART 356 - Museum and Gallery Practices Units: 3 (required for Art History Concentration)
- ART 359 - Ceramics: Portfolio Development Units: 3
- ART 367 - Photography II Units: 3
- ART 372 - Digital Media: Studio Topics Units: 3
- ART 372B - Radical Graphics: Activism and Climate Units: 3
- ART 373 - Illustration II Units: 3
- ART 395 - Topics in Studio Art Units: 1-6
- ART 482 - Museum and Gallery Practices Internship Units: 3 (required for Art History Concentration)

### Complete one capstone course.

- ART 410 - Art History Seminar Units: 4
- ART 437 - Professional Practices in Art Units: 3
- ART 498S - Service Learning and Art Education II Units: 3

## Concentrations

Complete one of the following concentrations to fulfill the requirements of the major.

### Art Education Concentration (27 Units)

The art education program at Cal Poly Humboldt gives students the tools they need to help others create and appreciate art. Our art education curriculum provides the foundation to successfully teach art in grades K-12 and prepares students to enter California's mandatory fifth-year, single-subject teaching credential program. The Department of Art offers an approved subject matter waiver program through the California Commission on Teacher Credentialing.

The art education curriculum is a combination of service learning experiences, studio art courses, and art history. The lower division core classes give students a working facility with a wide range of art media, styles, and equipment. This strong foundation is critical for effectively teaching a range of arts. Upper division courses provide students with the opportunity to concentrate in a particular studio area and master the

pedagogical skills needed to develop art curricula that engage an increasingly diverse student body.

Art education students learn about the California Visual and Performing Arts Framework, as well as the California Content Standards, in order to help them develop strategies for teaching and lessons for instruction. We also have a service-learning component built into the art education classes. Students have the opportunity to develop curriculum and teach art at the Studio School for children and teens located on campus, as well as in local area schools. Art education students also help to prepare local high school students to serve as docents at local galleries and museums.

Students who enter our fifth-year credentialing program are immersed in education classes and have opportunities to teach with excellent master teachers in Humboldt County. Students must apply for this program and pass a competency assessment of subject matter during the spring semester of their senior year.

Please note: Degree requirements listed here do not include the professional education courses required for the credential. Students earning this degree may waive CSET assessments before entering the credential program. Before applying to the secondary education credential program, students must meet the prerequisite of 45-hours early field experience or enroll in SED 210/SED 410. Please notify your advisor at least two semesters prior to applying to the credential program, so that you can clarify state requirement for acceptance.

### Lower Division Courses (15 Units)

- ART 106 - Painting I Units: 3
- ART 108 - Digital Media I Units: 3
- ART 122 - Life Drawing I Units: 3
- ART 251 - Photography I Units: 3
- ART 290 - Ceramics I Units: 3

### Upper Division Courses (12 Units)

- ART 357B - Curriculum and Development Through Art Education I Units: 3
- ART 357C - Curriculum and Development Through Art Education II Units: 3
- ART 497S - Service Learning and Art Education I Units: 3

### Upper Division Studio Art Elective

Complete one course (3 units) from the following list.

- ART 321 - Drawing II Units: 3
- ART 324 - Drawing III Units: 3
- ART 325 - Life Drawing II Units: 3
- ART 326 - Painting II Units: 3
- ART 329 - Painting III Units: 3
- ART 330 - Printmaking: Studio Topics Units: 3
- ART 333 - Printmaking Portfolio Development Units: 3
- ART 337 - Photography: Studio Topics Units: 3
- ART 339 - Photography : Portfolio Development Units: 3
- ART 340 - Digital Media II Units: 3
- ART 343 - Digital Media: Portfolio Development Units: 3
- ART 345 - Sculpture: Studio Topics Units: 3
- ART 346 - Sculpture: Materials and Methods Units: 3
- ART 347 - Sculpture: Portfolio Development Units: 3
- ART 348 - Jewelry/Small Metals: Casting and Fabrication Units: 3
- ART 349 - Jewelry/Small Metals: Studio Units: 3
- ART 350 - Ceramics: High Fire Units: 3
- ART 351 - Ceramics: Low Fire Units: 3
- ART 356 - Museum and Gallery Practices Units: 3
- ART 359 - Ceramics: Portfolio Development Units: 3
- ART 367 - Photography II Units: 3

- ART 372 - Digital Media: Studio Topics Units: 3
- ART 372B - Radical Graphics: Activism and Climate Units: 3
- ART 373 - Illustration II Units: 3
- ART 395 - Topics in Studio Art Units: 1-6
- ART 482 - Museum and Gallery Practices Internship Units: 3
- ART 496 - Seminar in Art Units: 3

### Program Learning Outcomes

Students completing the Art major with a concentration in Art Education will:

1. Present a portfolio that demonstrates curricular content knowledge and pedagogical strategies (with attention to social and environmental justice) at a professional entry level in the field of art education.
2. Demonstrate mastery of theoretical frameworks and conceptual context that inform art education practices.
3. Apply aesthetic judgment, historical and cultural context, and contemporary studio practice to arts education related issues.
4. Understand and enact the connections between service learning principles and art education theory and practice.
5. Communicate effectively, in both written and oral formats, on research and creative issues.

### Art History and Museum Studies Concentration (23 Units)

The Art History and Museum Studies concentration gives students an opportunity to study the visual culture of the world, from prehistoric cave paintings to works being produced by artists active today. Majors learn about works of art and about the different geographies, histories, social and political contexts and cultural traditions that informed their making. Our program is particularly strong in the study of art from the Middle Ages, Renaissance, Baroque, Latin America, United States, 20th and 21st centuries.

The art history curriculum focuses on the analysis and interpretation of art, with a particular emphasis on developing critical thinking and writing skills. Lower division courses take broad views of particular movements and periods while upper division classes examine issues and themes in greater depth. In the major capstone course, students conduct advanced art historical research and craft a scholarly research paper.

Students take classes in studio art and language to learn about the creation of art and how language and culture influence the creative act. They study the history and theory of museums as well the function of museums within contemporary culture, and gain hands-on experience in museum practices.

### Lower Division Courses (14 Units)

#### Lower Division Art History Electives

Complete two courses (6 units) from the following list.

- ART 104B - Ancient Art Units: 3
- ART 104C - Medieval Art Units: 3
- ART 104F - Renaissance Art Units: 3
- ART 104G - Baroque Art Units: 3
- ART 104H - 19th Century Art Units: 3
- ART 104I - 20th Century Art Units: 3
- ART 104J - American Art Units: 3
- ART 104K - Africa, Oceania, the Americas Units: 3
- ART 104M - Latin American Art Units: 3
- ART 104N - Asian Art Units: 3

### Language

- Complete one year (8 units) of a language other than English at the college level (French, German, and Spanish are recommended).

## Upper Division Art History Electives

Complete 9 units from the following list. Select courses in consultation with major advisor.

- ART 301 - Topics in Western Art History Units: 3
- ART 301M - Topics in Western Art History Depth Experience Units: 1
- ART 302 - Topics in Global Art History Units: 3
- ART 302M - Topics in Global Art History Depth Experience Units: 1
- ART 304 - Topics in American Art Units: 3
- ART 304M - Topics in America Art Depth Experience Units: 1
- ART 354 - Problems in Art History Units: 1-4

## Program Learning Outcomes

Students completing this program will be able to:

1. Distinguish and comprehend diverse forms of visual culture in their aesthetic, historical and cultural contexts using discipline-specific terminology and concepts.
2. Develop effective oral and written art historical arguments using established methodologies and supported by the use and interpretation of primary and secondary resources.
3. Understand the impact of visual art and arts institutions in addressing ethical issues, implementing positive social change and promoting equity and inclusion.
4. Apply art historical and museological skills and knowledge toward professional practices in museums, galleries and arts organizations.

## Art Studio Concentration (24 Units)

The art studio concentration helps students develop the strong conceptual ability and technical foundation required of professionals in all their endeavors. We recognize the broader role of art in today's increasingly visual culture. Our graduates must be leaders in that society with independence of mind, spirited curiosity, and a sense of art's important connection to a rapidly changing world.

Our program offers courses in painting, ceramics, drawing, digital media, jewelry and metalsmithing, photography, printmaking, and sculpture. We provide large and well-equipped studio facilities (including computer labs), small classes with individual attention, and a faculty of artists who remain active in their own creative pursuits.

The upper division component is tailored to each student's individual studio emphasis. Through problem-solving assignments and accompanying instruction, students learn processes and strategies for creating works of art in various media. By concentrating on a particular studio area in depth, students can prepare a portfolio for further professional opportunities or for postgraduate study.

We have two galleries on campus. The Reese Bullen gallery sponsors exhibitions of works by professional artists that are relevant to areas of instruction. The Reese Bullen gallery also presents an annual exhibition of student art. The Goudi'ni Native American Arts Gallery highlights the work of contemporary and traditional Native American artists. The Student Access Gallery Club, a student-run organization, curates and exhibits student work in venues around campus.

Our graduates have gone on to a wide variety of arts related careers, including work as professional graphic artists, web designers, painters, commercial jewelers, photographers, illustrators and ceramicists as well as art teachers, art directors, museum and gallery professionals and art administrators.

Preparation: In high school take as many art courses as possible in a variety of areas.

## Lower Division Studio Electives

Complete four courses (12 units).

- ART 106 - Painting I Units: 3
- ART 107 - Printmaking I Units: 3
- ART 108 - Digital Media I Units: 3
- ART 109 - Sculpture I Units: 3
- ART 112 - Scientific Drawing I Units: 3
- ART 122 - Life Drawing I Units: 3
- ART 250 - Darkroom Photography Units: 3
- ART 251 - Photography I Units: 3
- ART 273 - Illustration I Units: 3
- ART 282 - Jewelry/Small Metals I Units: 3
- ART 290 - Ceramics I Units: 3

## Upper Division Art Studio Electives (12 Units)

Complete 12 units. At least 3 of the 12 units must be from Level III/Portfolio Development courses which are indicated by an asterisk in the following list.

- ART 321 - Drawing II Units: 3
- ART 324 - Drawing III Units: 3 \*
- ART 325 - Life Drawing II Units: 3
- ART 326 - Painting II Units: 3
- ART 329 - Painting III Units: 3 \*
- ART 330 - Printmaking: Studio Topics Units: 3
- ART 333 - Printmaking Portfolio Development Units: 3 \*
- ART 337 - Photography: Studio Topics Units: 3
- ART 339 - Photography : Portfolio Development Units: 3 \*
- ART 340 - Digital Media II Units: 3
- ART 343 - Digital Media: Portfolio Development Units: 3 \*
- ART 345 - Sculpture: Studio Topics Units: 3 \*
- ART 346 - Sculpture: Materials and Methods Units: 3
- ART 347 - Sculpture: Portfolio Development Units: 3 \*
- ART 348 - Jewelry/Small Metals: Casting and Fabrication Units: 3
- ART 349 - Jewelry/Small Metals: Studio Units: 3
- ART 350 - Ceramics: High Fire Units: 3
- ART 351 - Ceramics: Low Fire Units: 3
- ART 356 - Museum and Gallery Practices Units: 3
- ART 356M - Museum and Gallery Practices Depth Experience Units: 1
- ART 359 - Ceramics: Portfolio Development Units: 3 \*
- ART 367 - Photography II Units: 3
- ART 372 - Digital Media: Studio Topics Units: 3
- ART 372B - Radical Graphics: Activism and Climate Units: 3
- ART 373 - Illustration II Units: 3
- ART 395 - Topics in Studio Art Units: 1-6
- ART 482 - Museum and Gallery Practices Internship Units: 3
- ART 496 - Seminar in Art Units: 3

## Art Studio Concentration Program Learning Outcomes

Students completing this program will:



1. Examine the relationship and influence of the visual arts in a historical and cultural context.
2. Recognize and evaluate critical and aesthetic issues within the history of art and contemporary studio practice.
3. Apply aesthetic judgment, perceptual sensitivity, and critical thinking skills to arts related issues.
4. Demonstrate mastery of specific technical, conceptual and/or critical abilities within each concentration area.
5. Communicate effectively, in both written and oral formats, on research and creative issues.

- STAT 109 - Introductory Biostatistics Units: 4
- ZOOL 110 - Introductory Zoology Units: 4

#### Upper Division

- BIOL 307 - Evolution Units: 4
- BIOL 340 - Genetics Units: 4

### Concentrations (23-46 Units)

Complete one of the following concentrations to fulfill the requirements of the major.

### Cellular/Molecular Biology Concentration (26-35 Units)

#### Lower Division

Take all lower division courses before beginning upper division work.

- PHYX 107 - College Physics: Electromagnetism and Modern Physics Units: 4
- **OR**
- PHYX 118 - College Physics: Biological Applications Units: 1
- CHEM 228 - Brief Organic Chemistry Units: 4
- **OR**
- CHEM 324 - Organic Chemistry I Units: 3 and
- CHEM 324L - Organic Chemistry I Laboratory Units: 2 and
- CHEM 325 - Organic Chemistry II Units: 3 and
- CHEM 325L - Organic Chemistry II Laboratory Units: 2

#### Upper Division

- BIOL 350 - Cell Biology Units: 3
- BIOL 440 - Molecular Genetics Lab Units: 2 **OR**
- BIOL 450 - Cell Biology Laboratory Units: 2

#### Physiology

Complete one of the following:

- BOT 310 - General Plant Physiology Units: 4
- ZOOL 310 - Animal Physiology Units: 4
- ZOOL 312 - Human Physiology Units: 4

### Upper Division Restricted Electives

Complete 12 units from the courses below. [No more than 2 units of BIOL 490 or BIOL 499 may be used to fulfill this requirement.]

- BIOL 412 - General Microbiology Units: 4
- BIOL 440 - Molecular Genetics Lab Units: 2 (if not already taken)
- BIOL 450 - Cell Biology Laboratory Units: 2 (if not already taken)
- BIOL 544 - Stem Cell Biology Units: 2
- BIOL 544L - Stem Cell Biology Lab Units: 2
- BIOL 564 - Transmission and Scanning Electron Microscopy Units: 4
- BIOL 490 - Senior Thesis Units: 1-2
- **OR**
- BIOL 499 - Directed Study Units: 1-2
- CHEM 438 - Introductory Biochemistry Units: 4
- CHEM 434 - Biochemistry I Units: 3
- CHEM 434L - Biochemistry I Laboratory Units: 2
- CHEM 435 - Biochemistry II Units: 3

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## Biology, B.S.

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Humboldt's program emphasizes hands-on learning. Our diverse facilities include the largest greenhouse in the California State University system, a vertebrate museum containing mammals, reptiles, and amphibians from around the world, and a vascular plant herbarium with almost 100,000 specimens. Near the campus are many parks, forests, and undisturbed habitats for studying plants and animals in their natural surroundings.

Humboldt's marine laboratory, located on the coast in the nearby town of Trinidad, gives students outstanding opportunities for marine biology projects. The research vessel, the Coral Sea, is used for seagoing field trips. Several smaller boats are used in nearshore waters, coastal lagoons, and Humboldt Bay.

Our well-equipped biotechnology laboratory, cell culture facility, and College Core facility allow modern work in molecular and cellular biology. Scanning and transmission electron microscopes are also available for student use.

Humboldt biology graduates have many job opportunities: teacher, field biologist, marine biologist, museum curator, science librarian, clinical lab technologist, laboratory technician, environmental consultant, microbiologist, and biotechnology research technician. Graduates may also pursue advanced study in biology or a professional degree.

Additional information is available on the Department of Biological Sciences website.

Preparation: In high school take biology, chemistry, and physics (with labs, if possible); beginning and intermediate algebra; geometry; and trigonometry.

### Requirements for the Bachelor's Degree

A bachelor's degree requires a total of 120 units. Students must fulfill General Education & All-University Requirements, residency, unit, and GPA requirements as outlined in the Bachelor's Degree Requirements.

### Requirements for the Major (64-87 Units)

Students who receive a grade below a C- in any prerequisite course will require instructor approval for enrollment.

### Core Courses (41-42 Units)

The following core courses are required for all biology majors. Take all lower division courses before beginning upper division work.

#### Lower Division

- BIOL 105 - Principles of Biology Units: 4
- BOT 105 - General Botany Units: 4
- CHEM 109 - General Chemistry I Units: 5
- CHEM 110 - General Chemistry II Units: 5
- MATH 105 - Calculus for the Biological Sciences and Natural Resources Units: 3
- **OR**
- MATH 109 - Calculus I Units: 4
- PHYX 106 - College Physics: Mechanics and Heat Units: 4

- CHEM 435L - Biochemistry II Laboratory Units: 2
- ZOOL 476 - Principles of Animal Development Units: 4
- or upper division statistics courses with the approval of your advisor.

## Ecology Concentration (30-37 Units)

### Lower Division

- CHEM 228 - Brief Organic Chemistry Units: 4
- PHYX 107 - College Physics: Electromagnetism and Modern Physics Units: 4
- **OR**
- PHYX 118 - College Physics: Biological Applications Units: 1

#### Complete one of the following:

- FISH 320 - Limnology Units: 3
- GEOG 106 - Physical Geography Units: 3
- GEOL 109 - General Geology Units: 4
- OCN 109 - General Oceanography Units: 3 and
- OCN 109L - General Oceanography Laboratory Units: 1
- SOIL 260 - Introduction to Soil Science Units: 3

### Upper Division

- BIOL 330 - Principles of Ecology Units: 4
- BIOL 434 - Population and Community Ecology Units: 4

#### Complete 4-5 units from the following:

- BIOL 350 - Cell Biology Units: 3 **and** either
- BIOL 440 - Molecular Genetics Lab Units: 2 **or**
- BIOL 450 - Cell Biology Laboratory Units: 2
- **OR**
- BIOL 412 - General Microbiology Units: 4 **OR**
- BOT 310 - General Plant Physiology Units: 4 **OR**
- ZOOL 310 - Animal Physiology Units: 4

## Upper Division Electives

Complete at least 3 units of additional courses from the following:

- BIOL 412 - General Microbiology Units: 4
- BOT 350 - Plant Taxonomy Units: 4
- BOT 354 - Agrostology Units: 4
- BOT 355 - Lichens and Bryophytes Units: 4
- BOT 356 - Phycology Units: 4
- BOT 358 - Biology of the Microfungi Units: 2
- BOT 359 - Biology of the Ascomycetes and Basidiomycetes Units: 2
- FISH 310 - Ichthyology Units: 4
- WLDF 365 - Ornithology I Units: 3
- ZOOL 314 - Invertebrate Zoology Units: 5
- ZOOL 316 - Freshwater Aquatic Invertebrates Units: 3
- ZOOL 354 - Herpetology Units: 4
- ZOOL 356 - Mammalogy Units: 3
- ZOOL 358 - General Entomology Units: 4
- ZOOL 556 - Marine Mammalogy Units: 4

## Upper Division Electives: Ecologist Skills

Complete three additional upper division courses (totaling at least 7 units) chosen with your advisor and focused on developing your skills as an ecologist.

## Upper Division Statistics Elective

Complete one of the following upper division statistics courses or other advisor approved course.

- STAT 333 - Linear Regression Models/ANOVA Units: 4
- STAT 406 - Sampling Design and Analysis Units: 4

## General Biology Concentration (28-38 Units)

### Lower Division

Take all lower division courses before beginning upper division work.

- PHYX 107 - College Physics: Electromagnetism and Modern Physics Units: 4
- **OR**
- PHYX 118 - College Physics: Biological Applications Units: 1

### Upper Division

- BIOL 330 - Principles of Ecology Units: 4
- BIOL 412 - General Microbiology Units: 4
- **OR**
- BIOL 418 - Marine Microbiology Units: 3
- **OR**
- BIOL 433 - Microbial Ecology Units: 3 **AND**
- BIOL 433D - Microbial Ecology Discussion Units: 1

#### Complete one course from the following:

- BIOL 350 - Cell Biology Units: 3
- BOT 310 - General Plant Physiology Units: 4
- ZOOL 310 - Animal Physiology Units: 4
- ZOOL 312 - Human Physiology Units: 4

#### Complete either:

- CHEM 228 - Brief Organic Chemistry Units: 4

#### **OR** the two-semester series:

- CHEM 324 - Organic Chemistry I Units: 3
- CHEM 324L - Organic Chemistry I Laboratory Units: 2
- CHEM 325 - Organic Chemistry II Units: 3
- CHEM 325L - Organic Chemistry II Laboratory Units: 2

### Additional Units

- Complete at least 12 additional units of upper division courses in biological sciences, chosen in consultation with an academic advisor.

## Marine Biology Concentration (40-46 Units)

### Lower Division

Take all lower division courses before beginning upper division work.

- BIOL 255 - Marine Biology Units: 3
- CHEM 228 - Brief Organic Chemistry Units: 4
- OCN 109 - General Oceanography Units: 3
- OCN 109L - General Oceanography Laboratory Units: 1

- PHYX 107 - College Physics: Electromagnetism and Modern Physics Units: 4  
**OR**
- PHYX 118 - College Physics: Biological Applications Units: 1

### Upper Division

- BIOL 330 - Principles of Ecology Units: 4
- BOT 356 - Phycology Units: 4
- FISH 310 - Ichthyology Units: 4
- ZOOL 314 - Invertebrate Zoology Units: 5
- BIOL 430 - Intertidal Ecology Units: 3  
**OR**
- OCN 310 - Biological Oceanography Units: 4

#### Complete one of the following:

- BIOL 350 - Cell Biology Units: 3
- BOT 310 - General Plant Physiology Units: 4
- ZOOL 310 - Animal Physiology Units: 4

#### Complete one of the following:

- BIOL 490 - Senior Thesis Units: 1-2
- BIOL 498 - Marine Biology Capstone Research Units: 2
- BIOL 499 - Directed Study Units: 1-2

#### Complete from the following:

Complete at least one advanced marine biology elective from the following list, or from any optional course NOT taken above.

- BIOL 418 - Marine Microbiology Units: 3
- BOT 553 - Marine Macrophyte Ecology Units: 3
- FISH 375 - Mariculture Units: 3
- FISH 435 - Ecology of Marine Fish Units: 4
- OCN 410 - Zooplankton Ecology Units: 3
- ZOOL 530 - Benthic Ecology Units: 3
- ZOOL 552 - Advanced Invertebrate Zoology Units: 3
- ZOOL 556 - Marine Mammalogy Units: 4

### Microbiology Concentration (23-34 Units)

#### Lower Division

Take all lower division courses before beginning upper division work.

- PHYX 107 - College Physics: Electromagnetism and Modern Physics Units: 4  
**OR**
- PHYX 118 - College Physics: Biological Applications Units: 1

#### Organic Chemistry Option

Complete either the one-semester course or the two-semester series.

- CHEM 228 - Brief Organic Chemistry Units: 4  
**OR**
- CHEM 324 - Organic Chemistry I Units: 3
- CHEM 324L - Organic Chemistry I Laboratory Units: 2
- CHEM 325 - Organic Chemistry II Units: 3
- CHEM 325L - Organic Chemistry II Laboratory Units: 2

#### Upper Division

- BIOL 330 - Principles of Ecology Units: 4

- BIOL 412 - General Microbiology Units: 4
- BIOL 418 - Marine Microbiology Units: 3  
**OR**
- BIOL 433 - Microbial Ecology Units: 3 AND
- BIOL 433D - Microbial Ecology Discussion Units: 1
- BIOL 440 - Molecular Genetics Lab Units: 2  
**OR**
- BIOL 490 - Senior Thesis Units: 1-2  
**OR**
- BIOL 499 - Directed Study Units: 1-2

### Upper Division Restricted Electives

Complete 6 units from the courses listed below.

- BIOL 350 - Cell Biology Units: 3
- BIOL 440 - Molecular Genetics Lab Units: 2 (if not already taken)
- BIOL 450 - Cell Biology Laboratory Units: 2
- BIOL 564 - Transmission and Scanning Electron Microscopy Units: 4
- BOT 358 - Biology of the Microfungi Units: 2
- BOT 356 - Phycology Units: 4
- CHEM 438 - Introductory Biochemistry Units: 4
- Upper division statistics course (with advisor approval)

### Science Education Concentration (31 Units)

#### Lower Division

Take all lower division courses before beginning upper division work.

- CHEM 228 - Brief Organic Chemistry Units: 4
- GEOL 109 - General Geology Units: 4
- PHYX 107 - College Physics: Electromagnetism and Modern Physics Units: 4

#### Upper Division

- BIOL 330 - Principles of Ecology Units: 4
- BIOL 350 - Cell Biology Units: 3
- BIOL 448 - Biogeography Units: 3
- BIOL 499 - Directed Study Units: 1-2
- BOT 350 - Plant Taxonomy Units: 4
- ZOOL 312 - Human Physiology Units: 4

**Note:** Before applying to the secondary education credential program, students must meet the prerequisite of 45 hours early field experience or enroll in SED 210/SED 410.

### Biology Program Learning Outcomes

Students completing this program will have demonstrated the ability to:

- apply the scientific method to questions in biology by formulating testable hypotheses, gathering data that address these hypotheses, and analyzing those data to assess the degree to which their scientific work supports their hypotheses
- present scientific hypotheses and data both orally and in writing in the formats that are used by practicing scientists

- access the primary literature, identify relevant works for a particular topic, and evaluate the scientific content of these works
- apply fundamental mathematical tools (statistics, calculus) and physical principles (physics, chemistry) to the analysis of relevant biological situations
- identify the major groups of organisms and be able to classify them within a phylogenetic framework. Students will be able to compare and contrast the characteristics of organisms that differentiate the various domains and kingdoms from one another
- use the evidence of comparative biology to explain how the theory of evolution offers the only scientific explanation for the unity and diversity of life on earth. They will be able to use specific examples to explicate how descent with modification has shaped organismal morphology, physiology, life history, and behavior
- explain how organisms function at the level of the gene, genome, cell, tissue, organ and organ-system. Drawing upon this knowledge, they will be able to give specific examples of the physiological adaptations, development, reproduction and behavior of different forms of life
- explicate the ecological interconnectedness of life on earth by tracing energy and nutrient flows through the environment. They will be able to relate the physical features of the environment to the structure of populations, communities, and ecosystems
- demonstrate proficiency in the experimental techniques and methods of analysis appropriate for their area of specialization within biology.

- MATH 105 - Calculus for the Biological Sciences and Natural Resources Units: 3 \*
- PHYX 106 - College Physics: Mechanics and Heat Units: 4
- PHYX 107 - College Physics: Electromagnetism and Modern Physics Units: 4
- OR**
- PHYX 118 - College Physics: Biological Applications Units: 1
- STAT 109 - Introductory Biostatistics Units: 4
- ZOOL 110 - Introductory Zoology Units: 4

**Note:**

\* MATH 109 may substitute for MATH 105.

**Upper Division (38-42 Units)**

- BIOL 307 - Evolution Units: 4
- BIOL 330 - Principles of Ecology Units: 4
- BIOL 340 - Genetics Units: 4
- BOT 310 - General Plant Physiology Units: 4

**Botanical Diversity**

Complete three of the five (a-e) options:

- a) BOT 350 - Plant Taxonomy Units: 4
- b) BOT 354 - Agrostology Units: 4
- c) BOT 355 - Lichens and Bryophytes Units: 4
- d) BOT 356 - Phycology Units: 4
- e) BOT 358 - Biology of the Microfungi Units: 2 and BOT 359 - Biology of the Ascomycetes and Basidiomycetes Units: 2**OR**  
BOT 360 - Biology of the Fleshy Fungi Units: 2 and BOT 360L - Biology of the Fleshy Fungi Lab Units: 2
- OR**  
BOT 394 - Forest Pathology Units: 3

**Plant Structure/Development/Evolution**

Complete one course.

- BOT 322 - Developmental Plant Anatomy Units: 4
- BOT 372 - Evolutionary Morphology of Plants Units: 4
- BOT 521 - Paleobotany Units: 3

**Life Science Electives**

Complete one of the following or an upper division zoology (ZOOL), fisheries (FISH) or wildlife (WLDF) course with a lab for 3-5 units. The course must be approved by your academic advisor.

- BOT 330 - Plant Ecology Units: 2 and
- BOT 330L - Plant Ecology Lab Units: 1
- BOT 553 - Marine Macrophyte Ecology Units: 3
- BIOL 350 - Cell Biology Units: 3
- BIOL 412 - General Microbiology Units: 4
- BIOL 418 - Marine Microbiology Units: 3
- BIOL 433 - Microbial Ecology Units: 3 and
- BIOL 433D - Microbial Ecology Discussion Units: 1
- BIOL 434 - Population and Community Ecology Units: 4
- BIOL 448 - Biogeography Units: 3

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## Botany, B.S.

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Cal Poly Humboldt has the largest greenhouse of all the state campuses, containing an extensive collection of plants from around the world. Students also find a large collection of pressed plants in the herbarium.

Several plant growth chambers allow students to control growing conditions of plants. Native plants in nearby wilderness areas also provide excellent opportunity for study.

Our botany graduates do well in these careers: herbarium curator, naturalist, plant physiologist, technical writer, plant ecologist, environmental consultant, botanist, horticulturist, science librarian, plant pathologist.

In high school take biology, chemistry, and physics (with labs, if possible), algebra (beginning, intermediate), geometry, and trigonometry.

### Requirements for the Bachelor's Degree

A bachelor's degree requires a total of 120 units. Students must fulfill General Education & All-University Requirements, residency, unit, and GPA requirements as outlined in the Bachelor's Degree Requirements.

### Requirements for the Major (72-79 Units)

Students who receive a grade below a C- in any prerequisite course will require instructor approval for enrollment.

### Lower Division (34-37 Units)

- BIOL 105 - Principles of Biology Units: 4
- BOT 105 - General Botany Units: 4
- CHEM 109 - General Chemistry I Units: 5
- CHEM 110 - General Chemistry II Units: 5
- CHEM 228 - Brief Organic Chemistry Units: 4

- BIOL 564 - Transmission and Scanning Electron Microscopy Units: 4
- OCN 109 - General Oceanography Units: 3 and
- OCN 109L - General Oceanography Laboratory Units: 1
- SOIL 260 - Introduction to Soil Science Units: 3

#### Research Requirement

Complete one course (1 unit) from:

- BIOL 490 - Senior Thesis Units: 1-2
- BIOL 499 - Directed Study Units: 1-2

### Botany, B.S. Program Learning Outcomes

Students completing this program will have demonstrated the ability to:

- apply the scientific method to questions in biology by formulating testable hypotheses, gathering data that address these hypotheses, and analyzing those data to assess the degree to which their scientific work supports their hypotheses
- present scientific hypotheses and data both orally and in writing in the formats that are used by practicing scientists
- access the primary literature, identify relevant works for a particular topic, and evaluate the scientific content of these works
- apply fundamental mathematical tools (statistics, calculus) and physical principles (physics, chemistry) to the analysis of relevant biological situations
- identify the major groups of organisms and be able to classify them within a phylogenetic framework. Students will be able to compare and contrast the characteristics of organisms that differentiate the various domains and kingdoms from one another
- use the evidence of comparative biology to explain how the theory of evolution offers the only scientific explanation for the unity and diversity of life on earth. They will be able to use specific examples to explicate how descent with modification has shaped organismal morphology, physiology, life history, and behavior
- explain how organisms function at the level of the gene, genome, cell, tissue, organ and organ-system. Drawing upon this knowledge, they will be able to give specific examples of the physiological adaptations, development, reproduction and behavior of different forms of life
- explicate the ecological interconnectedness of life on earth by tracing energy and nutrient flows through the environment. They will be able to relate the physical features of the environment to the structure of populations, communities, and ecosystems
- demonstrate proficiency in the experimental techniques and methods of analysis appropriate for their area of specialization within biology.

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## Business Administration, B.S.

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Our faculty are committed to providing students with opportunities for hands-on learning and collaborative, team-oriented projects.

Our goal is to educate students for lifelong learning. Our curriculum emphasizes critical thinking and communication skills stressing integration of business disciplines with concentrations in accounting, economics, finance, marketing, and new venture management.

Business students apply a wide-range of technical skills, including projects that develop their information research capability. Acquisition, analysis, and presentation of all types of data are skills emphasized in our program. Business majors can participate in student club activities, in community internships, and other special events that provide professional and practical opportunities.

School of Business website

High school students should follow preparation requirements for the CSU system. Community college students should take approved substitutes for lower division core courses. Community college courses may not be transferred to fulfill upper division core or concentration requirements. Consult your community college advisor or contact the School of Business if you have questions about transfer credit for business courses.

### Requirements for the Bachelor's Degree

A bachelor's degree requires a total of 120 units. Students must fulfill General Education & All-University Requirements, residency, unit, and GPA requirements as outlined in the Bachelor's Degree Requirements.

### Requirements for the Major (61-63 Units)

Students must earn a minimum grade of C- in all required courses.

### Core Courses (39 Units)

The following core courses are required for all majors.

#### Lower Division

- BA 210 - Legal Environment of Business Units: 4
- BA 250 - Financial Accounting Units: 4
- BA 252 - Management Accounting Units: 4
- ECON 210 - Principles of Economics Units: 4
- MATH 104 - Finite Mathematics Units: 3
- OR
- MATH 104I - Finite Mathematics with Integrated Support Units: 3

#### Upper Division

- BA 322 - Business Analytics Units: 4
- BA 340 - Principles of Marketing Units: 4
- BA 360 - Principles of Finance Units: 4
- BA 370 - Principles of Management Units: 4
- BA 496 - Strategic Management Units: 4

### Concentrations (22-24 Units)

Select one of the concentrations listed below and complete all requirements. Check with the department office or with an advisor regarding the availability of concentration courses.

#### Accounting Concentration (24 Units)

- BA 450 - Intermediate Financial Accounting Units: 4

Complete five courses (20 Units) from:

- BA 451 - Advanced Financial Accounting Units: 4
- BA 452 - Cost Accounting, Planning and Control Units: 4
- BA 453 - Tax Accounting Units: 4
- BA 454 - Financial Statement Auditing Units: 4
- BA 455 - Governmental and Nonprofit Accounting Units: 4
- BA 456 - Accounting Ethics Units: 4

#### Economics Concentration (22 Units)

- ECON 310 - Intermediate Microtheory and Strategy Units: 4
- ECON 311 - Intermediate Macroeconomics Units: 4
- ECON 435 - Principles of Money and Banking Units: 4
- ECON 490 - Capstone Experience Units: 2
- Elective - Economics course plus Additional Depth (see advisor). Units: 4

Note: *Students seeking a baccalaureate in business administration with a concentration in economics may not also receive a minor in economics.*

### Finance Concentration (24 Units)

- BA 422 - Financial Data Analytics and Econometrics Units: 4
- BA 460 - Responsible Investment Management Units: 4
- BA 462 - Corporate Finance and Valuation Units: 4
- BA 466 - Entrepreneurial Finance Units: 4
- BA 469 - Financial Risk Management Units: 4
- ECON 435 - Principles of Money and Banking Units: 4

### Marketing Concentration (24 Units)

- BA 441 - Retailing and Services Marketing Units: 4
- BA 445 - Marketing Communications Units: 4
- BA 446 - Marketing Research Units: 4
- BA 447 - E-Commerce / E-Marketing Strategy Units: 4
- BA 448 - Consumer Behavior Units: 4
- BA 449 - Macromarketing Units: 4

### New Venture Management Concentration (24 Units)

Complete five of the following six courses (20 Units).

- BA 430 - Introduction to New Ventures Units: 4
  - BA 431 - Global E-Commerce Entrepreneurship Units: 4
  - BA 432 - Leading Sustainable Ventures Units: 4
  - BA 433 - Service Venture Management Units: 4
  - BA 437 - Entrepreneurial Analytics and Technology Units: 4
  - ECON 309 - Economics of a Sustainable Society Units: 3
- and
- ECON 309D - Economics of a Sustainable Society - Additional Depth Units: 1

### Senior Experience

Complete one of the following courses (4 Units)

- BA 438 - Applications in Entrepreneurship Units: 4
- BA 439 - New Venture Consulting Units: 4

### Electives for Concentrations

These courses may be taken as substitutions upon advisor approval.

- BA 106 - Advocating for Sustainability Units: 3 and
- BA 106D - Advocating for Sustainability - Additional Depth Units: 1
- BA 120 - Business Essentials Units: 1

- BA 304 - Business Psychology Units: 3
- BA 430 - Introduction to New Ventures Units: 4
- BA 438 - Applications in Entrepreneurship Units: 4
- BA 439 - New Venture Consulting Units: 4

### Business Administration Program Learning Outcomes

1. Students will be able to communicate effectively in written and oral forms individually and in groups
2. Students will be able to demonstrate knowledge and awareness of legal, ethical, social and environmental justice, sustainability, and global business environment.
3. Students will be able to demonstrate business problem-solving skills.
4. Students will possess quantitative and technological skills enabling them to analyze, interpret, and present business data to improve business decisions and performance.
5. Students will be able to demonstrate an understanding of business functions, practices, and theories and able to integrate the functional knowledge and skills to address business problems.

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## Chemistry, B.A.

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The B.A. degree provides less specialization in chemistry and greater opportunity for studies in other fields. This curriculum is recommended for those who wish to obtain a Standard Teaching Credential with Specialization in Secondary Teaching.

The Department of Chemistry emphasizes hands-on learning. Our instruction and facilities are top-notch, with a modern computational chemistry laboratory available to majors, as well as other analytical and applied instrumentation, including GC-MS, AA, FT-IR, HPLC and a modern multi-nuclear FT-NMR.

A major factor influencing employability is preparation. How well a student investigates job alternatives, gains additional educational and experiential background to qualify for areas of increasing employability, and goes about applying for these position openings has a pronounced influence on employability. The student who is aware of, and interested in, specialty areas with increasing employment opportunities can benefit by preparing himself/herself for those employment areas. By looking into what course work, skills, and experiences an employer looks for, students can better prepare for forthcoming position openings. In general, the chemistry student with additional skills or a highly specialized emphasis has special advantages in the job market. Students also have a strong chance of increasing employability by strengthening their skills with additional course work from related disciplines.

Preparation: High school students should take chemistry, English, and mathematics.

### Requirements for the Major (55-71 Units)

Students must earn a minimum grade of C- in all courses with the "CHEM" prefix.

- CHEM 109 - General Chemistry I Units: 5
- CHEM 110 - General Chemistry II Units: 5

### Physics/Calculus Options

#### Complete one series:

- PHYX 106 - College Physics: Mechanics and Heat Units: 4 and
- PHYX 107 - College Physics: Electromagnetism and Modern Physics Units: 4

**OR**

- PHYX 109 - General Physics A: Mechanics Units: 4 and
- PHYX 210 - General Physics B: Thermodynamics, Waves and Optics Units: 4 and
- PHYX 211 - General Physics C: Electricity, Magnetism Units: 4

- proficiency and skill in performing laboratory techniques and in making and interpreting laboratory observations
- understanding of the theory and operation of fundamental modern laboratory instruments.

**Complete one series:**

- MATH 105 - Calculus for the Biological Sciences and Natural Resources Units: 3 and
  - MATH 215 - Multivariate Calculus for the Biological Sciences and Natural Resources Units: 3
- OR**
- MATH 109 - Calculus I Units: 4 and
  - MATH 110 - Calculus II Units: 4 and
  - MATH 210 - Calculus III Units: 4

**Upper Division**

- CHEM 310 - Inorganic Chemistry I Units: 3
- CHEM 323 - Nuclear Magnetic Resonance Spectroscopy (NMR) Techniques Units: 1
- CHEM 324 - Organic Chemistry I Units: 3
- CHEM 324L - Organic Chemistry I Laboratory Units: 2
- CHEM 325 - Organic Chemistry II Units: 3
- CHEM 325L - Organic Chemistry II Laboratory Units: 2
- CHEM 341 - Quantitative Analysis Units: 5
- CHEM 361 - Physical Chemistry I Units: 3
- CHEM 485 - Seminar in Chemistry Units: 1

**Complete one option:**

- CHEM 362 - Physical Chemistry II Units: 3 and
  - CHEM 363 - Physical Chemistry II Lab Units: 2
- OR**
- CHEM 410 - Inorganic Chemistry II Units: 3 and
  - CHEM 410L - Inorganic Chemistry II Lab Units: 2
- OR**
- CHEM 441 - Instrumental Analysis Units: 4

**Complete one option:**

- CHEM 438 - Introductory Biochemistry Units: 4
- OR**
- CHEM 434 - Biochemistry I Units: 3 and
  - CHEM 434L - Biochemistry I Laboratory Units: 2 and
  - CHEM 435 - Biochemistry II Units: 3 and
  - CHEM 435L - Biochemistry II Laboratory Units: 2

**Chemistry, B.A. Program Learning Outcomes**

Students completing this program will have demonstrated:

- understanding of what chemistry reveals about the nature of physical reality
- proficiency in abstract reasoning
- sound abilities in written and oral communications
- understanding of and use of physical and mathematical models
- understanding of the relationship of experimental observation to chemical theory and knowledge
- proficiency in spatial perception
- critical independent thinking
- chemical knowledge and skills needed in chemistry as well as in other disciplines
- breadth, depth, and rigor characteristic of a professional chemist

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## Chemistry, B.S.

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The Bachelor of Science degree in Chemistry fulfills the requirements for professional training established by the American Chemical Society, a national certifying agency. The B.S. degree in Chemistry with a concentration in Biochemistry (also fulfills requirements of the American Chemical Society), prepares students for careers in biochemistry and various related fields. These curricula are designed to prepare students for research positions in industry and governmental agencies. The B.S. degree also prepares students who intend to continue their study into the graduate level.

The Department of Chemistry emphasizes hands-on learning. Our instruction and facilities are top-notch, with a modern computational chemistry laboratory available to majors, as well as other analytical and applied instrumentation, including GC-MS, AA, FT-IR, HPLC and a modern multi-nuclear FT-NMR.

A major factor influencing employability is preparation. How well a student investigates job alternatives, gains additional educational and experiential background to qualify for areas of increasing employability, and goes about applying for these position openings has a pronounced influence on employability. The student who is aware of, and interested in, specialty areas with increasing employment opportunities can benefit by preparing himself/herself for those employment areas. By looking into what course work, skills, and experiences an employer looks for, students can better prepare for forthcoming position openings. In general, the chemistry student with additional skills or a highly specialized emphasis has special advantages in the job market. Students also have a strong chance of increasing employability by strengthening their skills with additional course work from related disciplines.

### Requirements for the Bachelor's Degree

A bachelor's degree requires a total of 120 units. Students must fulfill General Education & All-University Requirements, residency, unit, and GPA requirements as outlined in the Bachelor's Degree Requirements.

### Requirements for the Major (78-83 Units)

Students must complete all courses in the major with a C- or better.

### Core Courses (57 Units)

The following core courses are required for all chemistry (BS) majors.

**Lower Division Core**

- CHEM 109 - General Chemistry I Units: 5
- CHEM 110 - General Chemistry II Units: 5
- MATH 109 - Calculus I Units: 4
- MATH 110 - Calculus II Units: 4
- MATH 210 - Calculus III Units: 4
- PHYX 109 - General Physics A: Mechanics Units: 4
- PHYX 210 - General Physics B: Thermodynamics, Waves and Optics Units: 4
- PHYX 211 - General Physics C: Electricity, Magnetism Units: 4

**Upper Division Core**

- CHEM 323 - Nuclear Magnetic Resonance Spectroscopy (NMR) Techniques Units: 1
- CHEM 324 - Organic Chemistry I Units: 3
- CHEM 324L - Organic Chemistry I Laboratory Units: 2
- CHEM 325 - Organic Chemistry II Units: 3

- CHEM 325L - Organic Chemistry II Laboratory Units: 2
- CHEM 341 - Quantitative Analysis Units: 5
- CHEM 361 - Physical Chemistry I Units: 3
- CHEM 362 - Physical Chemistry II Units: 3
- CHEM 485 - Seminar in Chemistry Units: 1

- chemical knowledge and skills needed in chemistry as well as in other disciplines
- breadth, depth, and rigor characteristic of a professional chemist
- proficiency and skill in performing laboratory techniques and in making and interpreting laboratory observations
- understanding of the theory and operation of fundamental modern laboratory instruments.

## Concentrations (Select one)

### No Concentration

#### Upper Division (21 Units)

Complete the following upper division courses to fulfill the requirements of the chemistry major (no concentration).

- CHEM 310 - Inorganic Chemistry I Units: 3
- CHEM 330 - Molecular Modeling Units: 3
- CHEM 363 - Physical Chemistry II Lab Units: 2
- CHEM 410 - Inorganic Chemistry II Units: 3
- CHEM 410L - Inorganic Chemistry II Lab Units: 2
- CHEM 438 - Introductory Biochemistry Units: 4
- CHEM 441 - Instrumental Analysis Units: 4

#### Biochemistry Concentration (26 Units)

Complete the following courses to fulfill the requirements of the chemistry major with a concentration in biochemistry.

#### Lower Division

- BIOL 105 - Principles of Biology Units: 4
- BOT 105 - General Botany Units: 4  
OR
- ZOOL 110 - Introductory Zoology Units: 4

#### Upper Division

- CHEM 434 - Biochemistry I Units: 3
- CHEM 434L - Biochemistry I Laboratory Units: 2
- CHEM 435 - Biochemistry II Units: 3
- CHEM 435L - Biochemistry II Laboratory Units: 2
- BIOL 340 - Genetics Units: 4
- BIOL 412 - General Microbiology Units: 4  
OR
- BOT 310 - General Plant Physiology Units: 4  
OR
- ZOOL 310 - Animal Physiology Units: 4

## Chemistry, B.S. Program Learning Outcomes

Students completing this program will have demonstrated:

- understanding of what chemistry reveals about the nature of physical reality
- proficiency in abstract reasoning
- sound abilities in written and oral communications
- understanding of and use of physical and mathematical models
- understanding of the relationship of experimental observation to chemical theory and knowledge
- proficiency in spatial perception
- critical independent thinking

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## Child Development and Family Relationships, B.A.

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The Child Development and Family Relationships major focuses on the ever-growing body of knowledge about children and its applications to provide a holistic approach to the study of children from birth to age 18. This major provides the basis for a variety of careers including, preschool or elementary teacher, after-school program leader, child abuse prevention worker, civilian employee for military base family/child services, consultant for employer-sponsored child/family program, early childhood special education teacher, home visitor for at-risk families, infant/toddler intervention worker, licensing representative, parent educator, Peace Corps/ Americorps volunteer, public policy advocate, recreation leader, researcher, resource and referral coordinator, social worker, special education teacher, youth services coordinator, university professor.

Humboldt's program is unique among the child development programs in the CSU system in that:

- core courses (which all students take) give cohesive and comprehensive attention to children's development and socialization;
- an on-campus practicum is required;
- additional practicums with children or families are available in the emphasis areas;
- coursework beyond the core is based on the student's own identified special interests.

In core courses students learn basic principles and theories of child development as well as practices that support children and families. Students select one of the following three concentrations: Child and Family Services, Teaching or Specialized Studies. Within the first two concentrations, students also select an emphasis. The Specialized Studies concentration is individually designed between student and advisor.

We recommend that students take courses in history, political science, English, and speech in high school.

The Early Childhood CAP (Curriculum Alignment Project) transfer package includes a foundational core of eight courses: Child Growth and Development, Child, Family and Community, Introduction to Curriculum, Principles and Practices of Teaching Young Children, Observation and Assessment, Health, Safety and Nutrition, Teaching in a Diverse Society, and Practicum.

Transfer students who have completed an approved 24-unit CAP transfer package, should follow the plan of study below to complete the Child Development core and Specialized Studies concentration at Cal Poly Humboldt within two years of full-time study if lower division education coursework is also complete.

### Requirements for the Bachelor's Degree

A bachelor's degree requires a total of 120 units. Students must fulfill General Education & All-University Requirements, residency, unit, and GPA requirements as outlined in the Bachelor's Degree Requirements.

### Requirements for the Major (58-66 units)



Students must earn a minimum grade of C- in all courses required for the major, including core, concentration, and emphasis. The Upper Division Area D General Education requirement is met by the coursework within the major.

### Core Courses (34-35 Units)

The following core courses are required for all CDFR majors. See the major academic plan for the suggested course sequence. (There may be scheduling problems that delay graduation if 200- and 300-level courses are postponed.)

Complete one of the following four courses. Course must be approved by major advisor.

- CD 209 - Middle Childhood Development Units: 3  
**OR**
- CD 255 - Early Childhood Development Units: 3  
**OR**
- CD 253 - Prenatal and Infant Development Units: 3  
**OR**
- PSYC 414 - Psychology of Adolescence and Young Adulthood Units: 3
  
- CD 211 - Perspectives: Professional Development Units: 3  
**OR**
- CD 211S - Perspectives: Professional Development Units: 3
- CD 257 - Supervised Work with Children I Units: 4 \*
- CD 310 - Perspectives: History and Theory Units: 3  
**OR**
- AIE 330 - History of Indian Education Units: 3
- CD 350 - Perspectives: Life-Span Development Units: 3
- CD 354 - Methods of Observation Units: 3
- CD 355 - Language Development Units: 3
- CD 366 - Exceptional Children and Their Families Units: 3
- CD 469 - Contemporary Issues in Child Development Units: 3
- CD 479 - Policy Analysis and Advocacy Units: 3
  
- AIE 335 - Social and Cultural Considerations Units: 3  
**OR**
- CD 467 - Working with Culturally Diverse Families Units: 3  
**OR**
- CD 467S - Working with Culturally Diverse Families Units: 3

\*CAP transfer students: consult major advisor

### Concentrations

Complete one concentration to fulfill the requirements of the major.

#### Child & Family Services Concentration (24 Units)

- CD 251 - Children, Families and Their Communities Units: 3
- CD 352 - Parent/Child Relationships Units: 3

#### Elective Courses (18 Units)

In consultation with their major advisor, students select 18 units of coursework in a discipline that provides a foundation for their educational and professional goals. Commonly selected disciplines include American Indian education, child development, kinesiology, psychology, recreation, and social work. Courses may be selected to meet job licensing requirements, certificate requirements, graduate school entrance requirements, professional development opportunities or other specialized needs or interests.)

#### Specialized Studies Concentration (24 Units)

This individually designed concentration is used by students who have very specific career goals such as child life specialist, speech pathologist, infant/family/early childhood mental health, or family life educator, and require specialized preparation and/or postgraduate studies.

Specialized Studies for CAP Transfers. Students who have completed the California Curriculum Alignment Project (CAP) approved 24-unit early childhood transfer package should take CD 482 and consult with an advisor.

#### Complete 3 units from the following:

- CD 482 - Directed Field Experience/Internship Units: 1-4
- CD 499 - Directed Study Units: 1-4

#### Elective Courses

Complete 21 units that provide a strong disciplinary perspective, a clear theme with regard to practices with children and families, and any known prerequisites for anticipated graduate work.

\* CAP transfer students: consult major advisor

#### Teaching Concentration (24-30 Units)

- CD 356 - Curriculum Development for Early Childhood Units: 3
- CD 357 - Early Literacy Units: 3
- CD 358 - Supervised Work with Children II Units: 4
- CD 446 - Structure and Content of Children's Thinking Units: 3
- CD 482 - Directed Field Experience/Internship Units: 1-4 (2 units required)

#### Emphases

Select one emphasis within the teaching concentration and complete all requirements.

#### Early Childhood Education & Care Emphasis

- CD 251 - Children, Families and Their Communities Units: 3
- CD 352 - Parent/Child Relationships Units: 3
- CD 362 - Children and Stress Units: 3  
**OR**
- CD 464 - Atypical Child Development Units: 3

Students completing this emphasis qualify to apply for the California Commission on Teacher Credentialing Child Development Permit at the Site Supervisor level. To move to the program director level of the permit, students must complete 6 units in early childhood administration and 2 units in adult supervision. In addition, they need at least one year of documented experience as a site supervisor.

#### Elementary Education Emphasis

- ART 307 - Arts Integration in the Elementary Classroom Units: 3

- KINS 475 - Elementary School Physical Education Units: 3
- MATH 308B - Mathematics for Elementary Education Units: 3
- MATH 308C - Mathematics for Elementary Education Units: 3
- SCI 331 - Fundamental Science Concepts for Elementary Education Units: 3

Note: Students completing this emphasis qualify to apply for the California Commission on Teacher Credentialing Child Development Permit at the Site Supervisor level with a School Age emphasis. Students are also well prepared for Elementary Education Credential programs to become elementary school teachers.

For information about a specific California Teacher Credentialing Subject Matter program, see separate information on the Child Development Elementary Education Program.

### Special Education/Early Intervention Emphasis

- CD 352 - Parent/Child Relationships Units: 3

Complete two of the following courses.

- CD 109Y - American Sign Language: Level I Units: 3  
OR
- CD 109Z - American Sign Language: Level II Units: 3
- CD 362 - Children and Stress Units: 3
- CD 464 - Atypical Child Development Units: 3
- PSYC 418 - Developmental Psychopathology Units: 3

Note: CAP transfer students should select courses in consultation with an advisor.

## Programs Leading to Licensure and Credentialing

Admission into programs leading to licensure and credentialing does not guarantee that students will obtain a license or credential. Licensure and credentialing requirements are set by agencies that are not controlled by or affiliated with the CSU and requirements can change at any time. For example, licensure or credentialing requirements can include evidence of the right to work in the United States (e.g., social security number or taxpayer identification number) or successfully passing a criminal background check. Students are responsible for determining whether they can meet licensure or credentialing requirements. The CSU will not refund tuition, fees or any associated costs to students who determine subsequent to admission that they cannot meet licensure or credentialing requirements. Information concerning licensure and credentialing requirements are available from the Office of Academic Affairs, Siemens Hall 216, 707-826-3722.

The California State University has not determined whether its programs meet other states' educational or professional requirements for licensure and certification. Students enrolled in a California State University program who are planning to pursue licensure or certification in other states are responsible for determining whether they will meet their state's requirements for licensure or certification. This disclosure is made pursuant to 34 CFR §668.43(a)(5)(v)(C).

### Child Development & Family Relationships Program Learning Outcomes

Students completing this program will have demonstrated:

- description of the principles and patterns of growth and development in the cognitive, physical and motor, communicative, emotional, and social domains

- critical evaluation of literature germane to child development (theories, research, historical viewpoints, current viewpoints, contemporary trends, assumptions, practices)
- identification and evaluation of the variety of factors that influence children's development (personal, familial, social)
- knowledge about child development related professions (services, common foundation, opportunities for collaboration)
- practical skills in working with children (assessment instruments, guidance approaches)
- skills required of professionals in the field (interpersonal communication, collaboration, reflection, ethics, personal decision making, advocacy, writing, presenting, and using information technology).

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## Communication, B.A.

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Communication majors develop understanding of communication codes, communication and influence, interpersonal and small group communication processes, public communication, cultural differences in communication, and applied communication in work contexts.

The communication major helps graduates develop skills to become more effective advocates, leaders, decision makers, and citizens.

Communication students can become involved in active learning processes inside and outside the classroom. The Communication Club is open to all; honorary society chapters are available for those who excel. The intercollegiate speech and debate program travels throughout the West Coast, where students participate in both debate and individual events tournaments.

Communication graduates excel in many career fields, including education, law, business management, marketing, public relations, human relations, social advocacy, communication consulting, and training and development.

High school courses in English, speech, and debate are useful preparation, but are not necessary.

### Requirements for the Bachelor's Degree

A bachelor's degree requires a total of 120 units. Students must fulfill General Education & All-University Requirements, residency, unit, and GPA requirements as outlined in the Bachelor's Degree Requirements.

### Requirements for the Major (45 Units)

The department highly recommends that majors take COMM 103 - Critical Listening and Thinking to fulfill GE Area A: Critical Thinking.

- COMM 105 - Introduction to Human Communication Units: 3

### Public Communication Skills

Complete 6 units from the following:

- COMM 108 - Oral Interpretation Units: 3
- COMM 110 - Intercollegiate Speech and Debate Units: 1-3 \*
- COMM 310 - Advanced Intercollegiate Speech and Debate Units: 1-3 \*
- COMM 214 - Persuasive Speaking Units: 3  
\* No more than 3 units of COMM 110/COMM 310 may be counted to fulfill this requirement and a total of no more than 4 units may be used to meet major requirements.

## Personal Communication Skills

Complete one course:

- COMM 213 - Interpersonal Communication Units: 3
- COMM 312 - Group Communication Units: 4
- COMM 324 - Nonverbal Communication Units: 4

## Cultural Studies

Complete one course.

- COMM 222 - Intercultural Communication Units: 4
- COMM 309B - Gender and Communication Units: 3

## Communication & Society

Complete one course:

- COMM 300 - American Public Discourse Units: 3
- COMM 315 - Communication and Social Advocacy Units: 4

## Research Methods

- COMM 319 - Communication Research Units: 4

## Theories of Communication

Complete two courses:

- COMM 404 - Theories of Communication Influence Units: 4
- COMM 414 - Rhetorical Theory Units: 4
- COMM 415 - Communication Theory Units: 4

## Applied Communication

Complete one course:

- COMM 411 - Organizational Communication Units: 4
- COMM 416 - Social Advocacy Theory and Practice Units: 3

## Special Topics

Complete one 3- or 4-unit course. (Lower unit COMM 480 courses may be used as electives, but will not meet this requirement.)

- COMM 480 - Seminar in Speech Communication Units: 1-4

## Upper Division Electives

Complete as many upper-division courses as needed to meet the 45 units required for the major.

- COMM 300 - American Public Discourse Units: 3
- COMM 309B - Gender and Communication Units: 3
- COMM 310 - Advanced Intercollegiate Speech and Debate Units: 1-3 \*
- COMM 312 - Group Communication Units: 4
- COMM 315 - Communication and Social Advocacy Units: 4
- COMM 324 - Nonverbal Communication Units: 4
- COMM 387 - International Education Colloquium Units: 1
- COMM 404 - Theories of Communication Influence Units: 4
- COMM 414 - Rhetorical Theory Units: 4

- COMM 415 - Communication Theory Units: 4
- COMM 416 - Social Advocacy Theory and Practice Units: 3
- COMM 472 - Convention Experience Units: 1
- COMM 480 - Seminar in Speech Communication Units: 1-4
- COMM 495 - Field Experiences in Speech Communication Units: 1-6 (3-unit max. toward fulfilling major requirements)
- COMM 499 - Directed Study Units: 1-4 (3-unit max.)

## Capstone

- COMM 490 - Capstone Experience Units: 2

## Communication, B.A. Program Learning Outcomes

Students completing this program will have demonstrated:

- the ability to present an original, formal, and researched speech
- competence in reflective analysis of persuasive discourse
- basic competency in written communication
- understanding of diversity in relationship to communication
- fundamental understanding of how knowledge is generated in the communication discipline.

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## Computer Science, B.S.

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The Computer Science program prepares students for roles across the breadth of computer science, in industry, service, and research. Our approach to computer science includes a rigorous and balanced core of mathematical, theoretical, and practical knowledge about computation. Students in our department spend more instructional hours on topics central to computer science than at many similar institutions, while electives in topics like robotics and Linux challenge students to deeply employ the tools of their discipline. Our approach also emphasizes active engagement of students in the learning process both in and beyond the classroom. To support this approach, faculty vigorously pursue professional development.

Majors have access to a departmental lab with a variety of language compilers, in addition to other on-campus computing resources. Our Internet Teaching Laboratory (ITL) provides an isolated network for network design experimentation and student investigations in computer security. Servers for n-tier application development are also available to students.

Students participate in the Computer Science Club, affiliated with the national Association for Computing Machinery (ACM). Many students enjoy internship opportunities. Faculty typically hold memberships with professional organizations including the ACM, IEEE Computer Society, and the Consortium for Computing in Small Colleges.

Numerous careers are available to graduates in this major, including software engineering and development; network maintenance, implementation, and design; database design and web interface development; scientific computing; and innumerable more. Many of our students pursue graduate studies in areas such as computer graphics, parallel computing, man-machine interfaces, data communications, computational philosophy, expert systems, artificial intelligence, embedded computer applications, distributed systems, and networking. The job forecast for computer specialists is outstanding. More than 540,000 new jobs will be created between 2018 and 2028, according to the Federal Bureau of Labor Statistics. The National Association of Colleges and Employers reports consistently high wage growth across the industry.

Oral and written communication skills are central to success in college science majors, including computer science. Prospective students should take as many English, speech, and mathematics courses as possible, as well as general science courses.

Students transferring from a community college should also take courses meeting the Transfer Model Curriculum (TMC) for computer science. We strive to quickly graduate students meeting the TMC and general education requirements.

## Requirements for the Bachelor's Degree

A bachelor's degree requires a total of 120 units. Students must fulfill General Education & All-University Requirements, residency, unit, and GPA requirements as outlined in the Bachelor's Degree Requirements.

## Requirements for the Major (63-64 Units)

A minimum grade of C- must be earned in all courses required for the major. Prerequisite courses must be passed with a minimum grade of C-

### Lower Division (25-26 Units)

- CS 111 - Computer Science Foundations 1 Units: 4
- CS 112 - Computer Science Foundations 2 Units: 4
- CS 211 - Data Structures Units: 4
- CS 243 - Architecture Units: 4
  
- STAT 108 - Elementary Statistics Units: 3  
OR
- STAT 108I - Elementary Statistics with Integrated Support Units: 3
  
- MATH 109 - Calculus I Units: 4  
OR
- MATH 105 - Calculus for the Biological Sciences and Natural Resources Units: 3
  
- MATH 253 - Discrete Mathematics Units: 3

### Upper Division (32 Units)

- CS 312 - Algorithms Units: 4
- CS 325 - Database Design Units: 4
- CS 328 - Web-Apps Using Databases Units: 4
- CS 346 - Telecommunications and Networks Units: 4
- CS 374 - Operating Systems Units: 4
- CS 449 - Computer Security Units: 4
- CS 458 - Software Engineering Units: 4
- CS 461 - Computational Models Units: 4

### Elective Courses (6 Units)

Complete at least two elective courses from the list below, totaling at least 6 units.

- At least one elective course must be from Computer Science (CS prefix)
- At least one elective must be an upper division course.
- The total combined units from CS 482 and CS 499 cannot count for more than 3 units of electives.
- CS 232 - Python Programming Units: 3
- CS 235 - Java Programming Units: 3
- CS 237 - Bioinformatics Programming Units: 3
- CS 279 - Introduction to Linux Units: 4
- CS 280 - Selected Topics in Computing Units: 1-3

- CS 280L - Selected Topics in Computing Units: 1-2
- CS 444 - Robotics Units: 4
- CS 480 - Advanced Topics in Computing Units: 1-3
- CS 480L - Advanced Topics in Computing Units: 1-2
- CS 482 - Internship Units: 1-4
- CS 499 - Directed Study Units: 1-4
- GSP 318 - Geospatial Programming I Units: 3
- PHYX 316 - Electronic Instrumentation and Control Systems Units: 4

## Computer Science, B.S. Program Learning Outcomes

Students who graduate from this program will have demonstrated:

- computational thinking, a way of problem solving which draws upon central computing concepts, such as abstraction, virtualization, algorithmic development and analysis, recursion, resource management, and induction
- self-directed learning, whereby graduates may maintain their currency in the field by formulating their own learning goals, identifying learning strategies, identifying available resources, implementing learning strategies, and evaluating learning outcomes
- communicating and collaborating, which pairs the written and oral skills to deliver information with the ability to respect and embrace the diversity others bring to a team
- the ability to produce and digest technical documents

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## Criminology and Justice Studies, B.A.

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Students majoring in Criminology and Justice Studies at Cal Poly Humboldt find an active and supportive department culture with a dynamic curriculum intentionally focused on analyzing systems of power from a justice studies perspective. Critical criminology challenges traditional understandings of harm and seeks to unearth the social and historical processes that constitute 'crime'. Coursework addresses law, policy, social justice and how systems of oppression are produced and reproduced by the criminal punishment system. Faculty members teaching in this major come from multiple disciplines including sociology, ethnic studies, political science, gender & sexuality studies, anthropology, and Native American studies. The program's core courses are primarily taught through a sociological perspective, which allows students to develop critical thinking about systems-structures and research skills.

The program prepares students to be transformative leaders in a variety of locations, from community activism and policy research to legal advocacy and law enforcement. Above all students will have a solid foundation to work and effect social change.

Students pursuing law enforcement careers should know that agencies have extensive training programs on the specifics of work in their organization (investigation procedures, safety protocols). Our program does not provide that training. Our CJS program provides a liberal arts degree with breadth, adaptability and practical application. Graduates choose to work in many different sectors: non-profit, private sector, social services, education, health services, public relations, and government. Many of our graduates go on to pursue graduate degrees.

Community engagement and social action are important values of the Department of Sociology. Internships and faculty supervised original research are encouraged for the capstone experience. The sociology/CJS community advisory board assists with developing and maintaining internships and community action research opportunities.

In high school take math, writing, and social science courses (history, psychology, sociology).

## Requirements for the Bachelor's Degree

A bachelor's degree requires a total of 120 units. Students must fulfill General Education & All-University Requirements, residency, unit, and GPA requirements as outlined in the Bachelor's Degree Requirements.

## Requirements for the Major (40-43 Units)

A minimum grade of C- is required for all courses in the major.

### Lower Division (11 Units)

- CRIM 125 - Introduction to Criminology and Justice Studies Units: 3
- CRIM 225 - Inequalities/Criminalization Units: 4  
**OR**
- CRIM 225S - Inequalities/Criminalization Units: 4 (service learning)
- SOC 282L - Sociological Statistics Lab Units: 1
- STAT 108 - Elementary Statistics Units: 3  
**OR**
- STAT 108I - Elementary Statistics with Integrated Support Units: 3

### Upper Division (13 Units)

- CRIM 325 - Law and Society Units: 4
- CRIM 410 - Theories of Justice and Crime Units: 4
- SOC 382 - Introduction to Social Research Units: 4
- SOC 372 - Proseminar Units: 1  
**OR**
- SOC 472 - Graduate School Planning Units: 1

### Knowledge Based Requirements (13-16 Units)

SOC 480 only meets requirements if the specific topic is appropriate to the knowledge based area. Consult with an advisor.

#### Inequalities, Identities, and Crime

Complete one course.

- CRIM 362 - Gender, Sexualities and Crime Units: 4
- CRIM 431 - Juvenile Delinquency Units: 4
- SOC 330 - Social Deviance Units: 4
- SOC 363 - Environmental Crime Units: 4
- SOC 466 - Migration and the Global Economy Units: 4
- SOC 480 - Special Topics Units: 1-4 (requires advisor approval)

#### Law

Complete one course.

- CRIM 455 - Policing Bodies: A Biopolitical History of Race, Riots and Surveillance Units: 4
- CRGS 360 - Race, Gender and US Law Units: 4
- ES 306 - World Regions Cultural Studies Units: 3 (Topic: Narrating Genocide)
- NAS 364 - Federal Indian Law I Units: 4
- PHIL 307 - Philosophy of Law Units: 3
- PSCI 410 - US Constitutional Law Units: 4

- PSCI 441 - International Law Units: 4
- SOC 480 - Special Topics Units: 1-4 (requires advisor approval)

#### Justice and Policy

Complete one course.

- CRIM 420 - Drugs and Society Units: 4
- CRIM 430 - Law and Dissent Units: 4
- CRIM 433 - Punishment and Justice in Cross-National Perspective Units: 4
- ES 310 - U.S. and Mexico Border Units: 4
- NAS 332 - Environmental Justice Units: 3
- NAS 468 - Tribal Justice Systems Units: 3
- PSCI 313 - Politics of Criminal Justice Units: 4
- SOC 480 - Special Topics Units: 1-4 (requires advisor approval) (Required Units: 4)

#### Social Research and Action Skills

Complete one course.

- ANTH 318 - Ethnography Units: 4
- CRGS 313 - Community Activism Units: 3
- EDUC 313 - Community Activism Units: 3
- FILM 362 - Social Change Digital Production Units: 4
- FILM 455 - Grant Writing Units: 4
- FILM 455S - Grant Writing Units: 4 (service learning)
- PSCI 412 - Legal Research Units: 4
- PSCI 413 - Moot Court Units: 3
- SOC 475 - Community Organizing Units: 4
- SOC 480 - Special Topics Units: 1-4 (requires advisor approval) (Required Units: 4)
- WS 320 - Act to End Violence Seminar Units: 3

### Capstone (3 Units)

Complete one course.

- SOC 482 - Internship Units: 3
- SOC 492 - Senior Thesis Units: 3

**Note:** Many contributing departments to the CJS major offer 1-2 unit workshops around pressing social issues and popular topics. We encourage enrollment in these workshops, but the units may not be counted as part of the required 40-43 unit major requirement. Exception: Units may be used to "make up" 1-2 units if a student is short after transferring 3-unit courses from another college.

## Criminology & Justice Studies, B.A. Program

### Learning Outcomes

Students completing a BA in Criminology and Justice Studies will have demonstrated the following:

1. Effectively communicate orally about social science theory and methods (oral communication)
2. Effectively communicate in writing about social science theory and methods (information literacy)
3. Think theoretically about crime, justice, and the process and significance of criminalization (social justice)
4. Explain the historical evolution of law in relation to social, economic, and political forces (critical thinking - theory)
5. Evaluate research designs and analytic techniques (critical thinking - methods)

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## Critical Race, Gender and Sexuality Studies, B.A.

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Our major lies at the intersections of Ethnic Studies (ES), Women's Studies (WS), and Multicultural Queer Studies (MQS). This interdisciplinary program analyzes how notions of race, gender, sexuality, nation, class, physical ability, and other aspects of social location materially influence people's lives. Students take a common core of classes then choose an emphasis in ES, WS, or MQS.

CRGS graduates will be prepared to work in such fields as politics and government, business, social services, activism, and community organizing, and to pursue a variety of other jobs in the non-profit sector. In addition, graduates will be in a strong position to enter and successfully complete graduate study programs in the social sciences and humanities as well as obtain professional degrees and credentials leading to a range of careers. Graduates of our program are likely to pursue professions in, for example, social work, library science, education (K-12, community college, and university levels), health care (counselor, psychologist, midwife, doctor, nurse, hospice, and hospital counseling), and law (civil rights attorney, legal representation for domestic abuse and violence cases, human rights law).

## Requirements for the Bachelor's Degree

A bachelor's degree requires a total of 120 units. Students must fulfill General Education & All-University Requirements, residency, unit, and GPA requirements as outlined in the Bachelor's Degree Requirements.

## Requirements for the Major (42 Units)

All courses required for the major must be completed with a minimum grade of C-.

## Core Courses (26 Units)

### Lower Division

- CRGS 108 - Power/Privilege: Gender and Race, Sex, Class Units: 3

### Historical Content

Complete one course:

- ES 105 - Introduction to US Ethnic Studies Units: 3
- WS 107 - Women, Narrative, History Units: 3

### Contemporary Issues

Complete one course:

- ES 106 - Introduction to Black Studies Units: 3
- WS 106 - Introduction to Women's Studies Units: 3

### Upper Division

- CRGS 331 - Radical Futures: Race, Environment, and Social Justice Units: 3
- CRGS 360 - Race, Gender and US Law Units: 4
- CRGS 390 - Theory and Methods Units: 4
- CRGS 485 - Professional Development Units: 1

### Community Engagement & Leadership

- CRGS 313 - Community Activism Units: 3  
**OR**
- EDUC 313 - Community Activism Units: 3  
Complete 2 units from the following courses.
- CRGS 482 - Internship Units: 1-3
- CRGS 491 - Mentoring Units: 1-2

## Emphases

Complete one of the following emphases to fulfill the requirements of the major.

## Ethnic Studies Emphasis (16 Units)

- ES 310 - U.S. and Mexico Border Units: 4

### Ethnic Studies Elective Courses

Complete 12 units from the following list, chosen in consultation with major advisor.

- CRGS 235 - Act to End Sexualized Violence Units: 1
- ES 107 - Chican@/Latinx Lives Units: 3
- ES 202 - Hip Hop and the Black Experience Units: 3
- ES 210 - CouRaGeouS Cuentos Production Units: 2
- ES 301 - Media and the Politics of Representation Units: 4
- ES 303 - From Civil Rights, Black Power to Black Lives Matter Units: 3
- ES 304 - Migrations and Mosaics Units: 3
- ES 305 - African American Cultural History Units: 3
- ES 306 - World Regions Cultural Studies Units: 3
- ES 308 - Multi-Ethnic Resistance in the U.S. Units: 3
- ES 314 - Chicano Culture and Society in America Units: 3
- ES 317 - Campus Dialogue on Race Units: 1
- ES 336 - U.S. Writers of Color Units: 4
- ES 465B - Multicultural Issues in Literature/Languages Units: 4
- ES 465C - Multicultural Issues in Literature/Languages Units: 4
- ES 480 - Selected Topics in Ethnic Studies Units: 1-4

## Multicultural Queer Studies Emphasis (16 Units)

- CRGS 430 - Decolonizing Gender and Sexuality Units: 4

### Multicultural Queer Studies Elective Courses

Complete 12 units from the following list. Select courses in consultation with major advisor. Courses not on this list require advisor approval.

- CRGS 235 - Act to End Sexualized Violence Units: 1
- CRGS 321 - Trans\* Lives and Theory Units: 3
- EDUC 318 - LGBTQIA+ Issues in Schools Units: 3
- ES 336 - U.S. Writers of Color Units: 4
- ES 465B - Multicultural Issues in Literature/Languages Units: 4
- ES 465C - Multicultural Issues in Literature/Languages Units: 4
- FILM 465 - Film Seminar Units: 4
- PSYC 436 - Human Sexuality Units: 3
- WS 318 - LGBTQIA+ Issues in Schools Units: 3
- WS 350 - Health and Body Politics Units: 4
- WS 436 - Human Sexuality Units: 3
- WS 370 - Queer Women's Lives Units: 3-4  
**OR**
- ENGL 410 - Topics in Queer and Trans Studies Units: 4  
(when offered as Queer Women's Literature)

## Women's Studies Emphasis (16 Units)

- CRGS 430 - Decolonizing Gender and Sexuality Units: 4
- WS 303 - Anti-Colonial Women's Movements Units: 3
- WS 340 - Ecofeminism Units: 3-4

### Women's Studies Elective Courses

Complete 5-6 units as needed to reach the 16 units required for the emphasis. Courses not on this list require advisor approval.

- CRGS 235 - Act to End Sexualized Violence Units: 1
- ES 336 - U.S. Writers of Color Units: 4
- WS 317 - Women and Development Units: 4
- WS 320 - Act to End Violence Seminar Units: 3
- WS 350 - Health and Body Politics Units: 4
- WS 465B - Multicultural Issues in Literature/Languages Units: 4
- WS 465C - Multicultural Issues in Literature/Languages Units: 4
- WS 480 - Selected Topics in Women's Studies Units: 1-5
- WS 370 - Queer Women's Lives Units: 3-4
- OR
- ENGL 410 - Topics in Queer and Trans Studies Units: 4 (when offered as Queer Women's Literature)

## Program Learning Outcomes

Students completing this program will have demonstrated the ability to:

- use intersectional analysis to examine social issues
- explain prominent debates in critical social theory
- examine gendered, racialized, and/or sexualized relations in a transnational context
- link theory to practice
- write effectively within scholarly contexts
- articulate the relationship between social justice movements and history.

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## Economics, B.A.

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Cal Poly Humboldt has a strong and rigorous economics program. We are a close-knit community with small classes, a hands-on approach, and strong student-faculty relationships. Professors know you by name and work to support and encourage you as you grow and learn.

We offer many opportunities for hands-on learning and internships that are grounded in real-world skill building and help prepare you for the job market. There are openings for paid internships as research, community development, and teaching assistants, including the Humboldt Economic Index internship (a local index of economic activity), the Small Business Development Center (SBDC) summer internship, the Ruprecht Research Assistantship, and several instructional teaching assistantships. Students also work with local economic development non-profit organizations in our service-learning course. In the liberal arts tradition, Cal Poly Humboldt economics graduates develop strong analysis, problem-solving, and written and oral communication skills. This skill-set makes our students very marketable when they graduate and economics graduates make the top 10 list of highest starting salaries among all majors. We have a strong record of helping students realize their career aspirations and our graduates have gone on to a wide range of careers in banking, finance, government, advocacy, environmental consulting, and business. In addition, many of our graduates pursue graduate and professional degrees in economics, public policy, law, and business.

Consider today's important issues - climate change, sustainable growth and development, international trade and globalization, inequality and world poverty. In each case, economics is essential to understanding the choices that society faces and it is crucial in creating the best possible policy. Economics students learn to make sense of large and complex economic issues and critically evaluate real-world events.

Given the complexity of these problems, we understand the relevance and importance of an interdisciplinary curriculum. Our economics majors choose from either a traditional economics emphasis or an

interdisciplinary emphasis. The interdisciplinary emphasis requires a minor (or equivalent) in a related discipline such as applied mathematics, political science, environmental science, business, international studies, or history. Students switching majors to economics often choose our interdisciplinary emphasis and make use of coursework earned from a prior major in order to graduate more quickly. Overall, economics majors are in the top 10 percent in terms of shortest time to graduation at Cal Poly Humboldt.

More information is available on the Department of Economics webpage

## Preparation

High school students should take college preparatory courses, including English, writing, social science, and economics (if available). Math (including calculus) is recommended.

## Requirements for the Bachelor's Degree

A bachelor's degree requires a total of 120 units. Students must fulfill General Education & All-University Requirements, residency, unit, and GPA requirements as outlined in the Bachelor's Degree Requirements.

## Requirements for the Major (52-60 Units)

A minimum grade of C- must be earned in all courses required for the major.

## Core Courses (24-26 Units)

The following core courses and 16 units of upper division economics electives are required for all economics majors.

## Lower Division

- ECON 210 - Principles of Economics Units: 4

## Mathematics

Complete one course. Students with a higher math aptitude and those considering graduate school should take MATH 109.

- MATH 101 - College Algebra Units: 3
- MATH 101I - College Algebra with Integrated Support Units: 3
- MATH 102 - Algebra and Elementary Functions Units: 4
- MATH 109 - Calculus I Units: 4

## Statistics

Complete one course.

- STAT 108 - Elementary Statistics Units: 3
- STAT 108I - Elementary Statistics with Integrated Support Units: 3
- PSYC 109 - Introduction to Psychological Statistics Units: 4

## Upper Division

- ECON 310 - Intermediate Microtheory and Strategy Units: 4
- ECON 311 - Intermediate Macroeconomics Units: 4
- ECON 490 - Capstone Experience Units: 2
- BA 422 - Financial Data Analytics and Econometrics Units: 4
- OR
- PSYC 488 - Regression/Multivariate Topics Units: 4
- OR
- STAT 333 - Linear Regression Models/ANOVA Units: 4

### Upper Division Economics Electives (16 Units)

Complete four upper division economics elective courses numbered ECON 300-499, with the exception of ECON 387 & ECON 482, including the corresponding 1-unit depth of study where offered.

### Emphases (12-18 Units)

Complete one of the following emphases to fulfill the requirements of the major.

#### Traditional Economics Emphasis

Complete an additional 12 units of upper division economic elective courses numbered ECON 300-499, with the exception of ECON 387 and ECON 482, including the corresponding 1-unit depth of study where offered.

#### Individually-Designed Interdisciplinary Emphasis (18 Units)

Complete a minor or 18 units of equivalent coursework, 9 of which must be upper division.

With approval from a major advisor and the department chair, students may develop an individually-designed, interdisciplinary emphasis by embedding a minor from a related field into their economics major. Alternatively, students may self-design a program of complementary coursework with at least 18 units (9 of the 18 units must be upper division). Students must write a brief memo that outlines the purpose of their individually designed interdisciplinary emphasis, including personal learning and career goals.

Suggested minors and areas of study include:

- Applied Mathematics. For students who want access to more technically demanding careers requiring extensive knowledge of mathematics. This emphasis will appeal to someone planning to enter a doctorate program in economics.
- Business. For students with career goals that demand specialized business training. This emphasis will appeal to someone planning to enter an MBA program.
- Energy. For students interested in combining engineering and environmental science with economics. Career paths include engineering consulting firms, state or federal policy agencies, and private energy industry firms.
- Environmental & Natural Resource Planning. For students interested in careers as industry representatives, advocates, consultants, and government planners working on environmental and natural resource issues.
- International Studies. For students interested in careers in international business, policy, or advocacy.
- Political Science. For students interested in careers in law, business, government and public affairs, advocacy and interest groups, and other nonprofits.
- History. For students interested in careers in secondary education, law, diplomacy, and journalism.

### Economics Program Learning Outcomes

Students completing the economics program will have demonstrated:

- mastery of core microeconomic and macroeconomic concepts, including application and conceptual analysis in evaluating real-world issues and problems
- the ability to explain the role that economics plays in defining and achieving a sustainable society
- mastery of computational analysis, including solving problems using economics tools and methods

- effective written and oral communication through summary and analysis papers, descriptive research papers, and presentations
- the ability to present themselves professionally in the job market

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## English, B.A.

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The English major at Cal Poly Humboldt enables students to pursue careers across a wide range of areas: writing, editing and publishing, arts administration, digital content creation, research, librarianship, digital scholarship, education, and teaching English as a second or foreign language (TESL/TEFL), community organizing and service, and social justice advocacy.

High school students should take four years of English, including composition and literature to prepare for this major. We recommend the study of a language other than English.

### Requirements for the Bachelor's Degree

A bachelor's degree requires a total of 120 units. Students must fulfill General Education & All-University Requirements, residency, unit, and GPA requirements as outlined in the Bachelor's Degree Requirements.

### Requirements for the Major (42-56 Units)

The English major consists of 28 units of core courses, which are required for all students. To fulfill the requirements of the major, students complete either 14-16 units of extended study electives plus 0-8 units of a language other than English or the 20-unit English Education Concentration.

### Core Courses (28 Units)

- ENGL 218 - Conceptualizing English Studies Units: 4
- ENGL 220 - Representation Matters: Literature and Identity Units: 4
- ENGL 232 - U.S. Literature and Social Change Units: 4
- ENGL 240 - Topics in World Literature Units: 4
- ENGL 336 - U.S. Writers of Color Units: 4
- ENGL 406 - Theories and Technologies of Writing Units: 4

### Capstone Options

Complete one of the following courses, selected in consultation with a major advisor. Students in the English Education Concentration are required to take ENGL 426. ENGL 436 is recommended for students pursuing careers in teaching English as a second/foreign language. ENGL 461 is recommended for students pursuing careers in writing, editing and arts administration. Students pursuing other interests, including librarianship, literary/linguistic research or graduate study should select ENGL 422.

- ENGL 422 - Professional Research Pathways: Research, Libraries, and Graduate School Planning Units: 4
- ENGL 426 - Teaching Secondary Writing Units: 4 (required for English Education Concentration)
- ENGL 436 - Career Preparation for Teaching English as a Second/Foreign Language Units: 4
- ENGL 461 - Professional Concerns in Writing and Editing Units: 4

### E-Portfolio Requirement

Students build the shell of their e-portfolio in ENGL 218. It is recommended that students take ENGL 218 when they enter the major.



The e-portfolio is developed through the course of study and is completed and reviewed during the capstone course.

## Concentrations

Students can choose to concentrate in English Education or complete the English major without a concentration. Complete one of the following to fulfill the requirements for the major.

### (No Concentration)

Students who wish to have a specialization in English listed on their transcript are encouraged to complete one of the minors offered by the Department of English.

## Extended Study Elective Courses (14-16 Units)

Complete four elective courses. Of the four courses:

- at least two must be from one extended study area,
- at least three must be upper division,
- no more than one may be general education.

Note that some courses are options in more than one extended study area. However, each course completed may only be counted toward one area.

## Creative Production and Practice

- ENGL 211 - Introduction to Creative Writing Units: 4
- ENGL 212 - Topics in Writing Units: 4
- ENGL 311 - Creative Writing for Environmental Justice Units: 4
- ENGL 313 - Critical Topics in Writing and Rhetoric Units: 4
- ENGL 314 - Creative Writing: Nonfiction Units: 4
- ENGL 315 - Creative Writing: Fiction Units: 4
- ENGL 316 - Creative Writing: Poetry Units: 4
- ENGL 318 - How Writers Persuade: Cross-Cultural Rhetorics Units: 4
- ENGL 319 - Podcasts, Social Media, and Web-Based Writing Units: 4

## Global Literatures in English

- ENGL 230 - Decolonizing British Literature I Units: 4
- ENGL 231 - Decolonizing British Literature II Units: 4
- ENGL 305 - Postcolonial Literature/Decolonizing Perspectives Units: 3
- ENGL 306 - Contemporary Texts Units: 3
- ENGL 308C - Gender and Literature Units: 3
- ENGL 342 - Special Topics in Shakespeare Units: 4
- ENGL 350 - Topics in British and Postcolonial Literatures Units: 4
- ENGL 420 - Advanced Topics in Critical Theory Units: 4

## Language Study and Bilingualism

- ENGL 225 - Linguistic Diversity and Language Analysis Units: 4
- ENGL 325 - History of English as a Global Language Units: 4
- ENGL 328 - Structure of American English Units: 4
- ENGL 417 - Second Language Acquisition Units: 3
- ENGL 435 - English as a Second/ Foreign Language Units: 4

- ENGL 465B - Multicultural Issues in Literature/Languages Units: 4 (counts toward this extended study area when the topic is language)
- ENGL 465C - Multicultural Issues in Literature/Languages Units: 4 (counts toward this extended study area when the topic is language)

## Literatures of the Americas

- ENGL 308B - Gender and Literature Units: 3
- ENGL 330 - Topics in Literatures of the Americas Units: 4
- ENGL 410 - Topics in Queer and Trans Studies Units: 4
- ENGL 465B - Multicultural Issues in Literature/Languages Units: 4 (counts toward this extended study area when the topic is literature)
- ENGL 465C - Multicultural Issues in Literature/Languages Units: 4 (counts toward this extended study area when the topic is literature)
- ENGL 471 - Literatures of Body, Environment, World-Building Units: 4

## Additional Electives: Optional Hands-On

### Learning Experiences

The following are additional optional elective courses offered by the Department of English. These courses emphasize applied learning.

- ENGL 450 - Tutoring Developing Writers Units: 2
- ENGL 460 - Literary Editing and Publishing (Toyon) Units: 4
- ENGL 482 - Internship Units: 2
- ENGL 581 - Becoming a College-Level Instructor Units: 3

## Language Requirement (0-8 Units)

- One year of a language other than English taken at the college level, or equivalent competency. (4 units may count as GE Area C: Humanities)

## English Education Concentration (20 Units)

- ENGL 230 - Decolonizing British Literature I Units: 4  
**OR**
- ENGL 231 - Decolonizing British Literature II Units: 4
- ENGL 328 - Structure of American English Units: 4
- ENGL 342 - Special Topics in Shakespeare Units: 4
- ENGL 344 - Young Adult Literature Units: 4
- ENGL 435 - English as a Second/ Foreign Language Units: 4

### Note:

Before applying to the secondary education credential program, students must meet the prerequisite of 45 hours early field experience or enroll in SED 210 or SED 410.

## English, B.A. Program Learning Outcomes

Upon completing the program, students will have met the following learning outcomes:

1. Students will demonstrate the ability to draw connections between text and context (i.e., political, historical, linguistic and cultural contexts of race, class, gender and sexuality).

- Students will understand how to use and apply information from public and scholarly sources in their writing.
- Students will demonstrate understanding and application of rhetorical, literary, and linguistic theories, including accurate and appropriate use of disciplinary terminology.
- Students will construct texts with attention to audience and purpose, effectively using public, literary, and/or scholarly sources and conventions of a selected genre.

- Lower Division GE area D / U.S. and California State Government (3 Units)
- Lower Division GE Area F / U.S. History / DCG: Domestic NAS 200 (3 Units)
- Upper Division GE Area C: Arts and Humanities (3 Units)
- Upper Division GE Area D: Social Sciences (3 Units)
- Diversity and Common Ground (0-3 Units)

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## Environmental Resources Engineering, B.S.

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Cal Poly Humboldt offers one of the largest and oldest undergraduate accredited environmental engineering programs in the United States. While studying in one of the most environmentally interesting areas of California, Environmental Resources Engineering students will learn to apply an interdisciplinary approach to understanding and resolving resource planning and management problems in their social, economic, ethical, and historical contexts.

Program coursework and research are in three primary areas: water quality, water resources, and energy resources.

Students prepare for work in industry, private practice, or government, or for continued studies in graduate school. Potential careers include: environmental engineer, civil engineer, groundwater engineer, energy engineer, air pollution engineer, ecological engineer, fisheries engineer, hazardous waste engineer, hydraulic engineer, hydrologist, public health engineer, public works engineer, sanitary engineer, solid waste engineer, water resources engineer, water quality engineer, building energy efficiency analyst, wind power analyst/engineer, solar power engineer, energy storage systems engineer, habitat restoration engineer.

The Environmental Resources Engineering program at Cal Poly Humboldt is accredited by the Engineering Accreditation Commission of ABET.

### Mission Statement

The mission of the ERE program is to educate students to identify and solve complex environmental resources engineering problems. The program prepares responsible leaders who will sustain, restore and protect our natural resources and the environment.

Students interested in becoming an ERE major should take courses in mathematics, chemistry, biology, physics, and written communications.

### Requirements for the Major (96 units)

The ERE program has approval for the following GE requirements to be fulfilled by completion of all ERE major coursework. Lower Division GE Areas A: Oral Communication (3 Units), A: Critical Thinking (3 Units), D (3 Units), and E (3 Units); Upper Division GE Area B: (3 Units). In addition, the ERE program has approval for courses fulfilling requirements in American Institutions (6 Units) to count as fulfilling Lower Division GE (6 Units). It is recommended that ERE majors choose NAS 200 to satisfy both GE area F and the U.S. History American Institutions requirements.

Students who change out of the ERE major are encouraged to contact the Office of the Registrar or the Academic & Career Advising Center regarding completion of GE requirements.

The following degree requirements must be fulfilled in addition to those listed below for the major, please see "Bachelor's Degree Requirements".

- Lower Division GE Area A: English Language Communication and Critical Thinking Courses (written communication) (3 Units)
- Lower Division GE Area C: Arts and Humanities (9 Units)

A minimum grade of C- is required for all courses in the major. Grades of D+, D, F, WU, and NC count as failed attempts. Required courses in the major may not be repeated more than one time. If a student has two failed attempts in a required course, the student will not be able to graduate with an ERE degree.

### Lower Division

- BIOL 105 - Principles of Biology Units: 4
- CHEM 109 - General Chemistry I Units: 5
- CHEM 110 - General Chemistry II Units: 5
- MATH 109 - Calculus I Units: 4
- MATH 110 - Calculus II Units: 4
- MATH 210 - Calculus III Units: 4
- PHYX 211 - General Physics C: Electricity, Magnetism Units: 4
- ENGR 115 - Introduction to Environmental Resources Engineering Units: 3
- ENGR 210 - Solid Mechanics: Statics Units: 3
- ENGR 211 - Solid Mechanics: Dynamics Units: 3
- ENGR 215 - Introduction to Design Units: 3
- ENGR 225 - Computational Methods for Environmental Engineering I Units: 3

### Upper Division

- ENGR 313 - Systems Analysis Units: 3
- ENGR 322 - Environmental Data Modeling and Analysis Units: 4
- ENGR 325 - Computational Methods for Environmental Engineering II Units: 3
- ENGR 326 - Computational Methods for Environmental Engineering III Units: 3
- ENGR 330 - Mechanics and Science of Materials Units: 3
- ENGR 331 - Thermodynamics and Energy Systems I Units: 3
- ENGR 333 - Fluid Mechanics Units: 4
- ENGR 351 - Introduction to Water Quality Units: 4
- ENGR 410 - Environmental Health and Impact Assessment Units: 3
- ENGR 416 - Transport Phenomena Units: 3
- ENGR 440 - Hydrology I Units: 3
- ENGR 492 - Capstone Design Project Units: 3

### Major Elective Program

With advice and approval of an Environmental Resources Engineering faculty advisor and the department chair, select one upper division science or natural resources course and three senior engineering design courses from the following lists to form a coherent elective program.

### Science/Natural Resources

Complete one course:

- BIOL 330 - Principles of Ecology Units: 4
- CHEM 341 - Quantitative Analysis Units: 5

- CHEM 370 - Earth System Chemistry Units: 3
- FISH 320 - Limnology Units: 3
- GEOL 303 - Earth Resources and Global Environmental Change Units: 3
- GEOL 306 - General Geomorphology Units: 3
- PHYX 315 - Introduction to Electronics and Electronic Instrumentation Units: 3
- SOIL 360 - Origin and Classification of Soils Units: 3
- SOIL 363 - Wetland Soils Units: 3

- an ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions
- an ability to acquire and apply new knowledge as needed, using appropriate learning strategies.

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## Environmental Science and Management, B.S.

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Our Bachelor of Science degree program explores the interactions between the biological and physical world, human institutions, and human behavior. You'll choose one of five concentrations that will allow you to discover the intricate balance of people and nature through multiple disciplines.

Graduates should find work with state, federal, and local governments, nonprofit conservation organizations, private sector consulting firms (particularly those dealing with environmental impact analysis, environmental planning, wetlands delineation, environmental restoration, geospatial applications in natural resources, energy technology and planning, and natural resource management), or go on to professional and graduate schools to study ecology, environmental law, environmental planning, human dimensions of natural resources, outdoor recreation management, geospatial science, natural resources management, wilderness management, public administration, or environmental policy.

High school students need strong academic preparation in math, writing, and the sciences.

### Requirements for the Bachelor's Degree

A bachelor's degree requires a total of 120 units. Students must fulfill General Education & All-University Requirements, residency, unit, and GPA requirements as outlined in the Bachelor's Degree Requirements.

### Requirements for the Major (76-82 Units)

Students must complete all courses in the major with a grade of C- or better.

### Core Courses (42-43 Units)

- BOT 105 - General Botany Units: 4
- ESM 105 - Natural Resource Conservation Units: 3
- GSP 101 - Geospatial Concepts Units: 3
- ESM 200 - Inscape and Landscape Units: 3
- **OR**
- SCI 100 - Becoming a STEM Professional in the 21st Century Units: 3
- MATH 101 - College Algebra Units: 3
- **OR**
- MATH 101I - College Algebra with Integrated Support Units: 3 and
- MATH 1 - Support for College Algebra Units: 1
- **OR**
- MATH 102 - Algebra and Elementary Functions Units: 4
- STAT 109 - Introductory Biostatistics Units: 4
- ESM 230 - Environmental Methods Units: 3
- ESM 303 - Applied Natural History and Ecology Units: 4
- ESM 305 - Environmental Conflict Resolution Units: 3

### Engineering Design

Complete three courses.

- ENGR 418 - Applied Hydraulics Units: 3
- ENGR 421 - Advanced Numerical Methods for Engineers I Units: 3
- ENGR 434 - Air Quality Management Units: 3
- ENGR 436 - Solid Waste Engineering Units: 3
- ENGR 441 - Hydrology II Units: 3
- ENGR 443 - Groundwater Hydrology Units: 3
- ENGR 445 - Water Resources Planning and Management Units: 3
- ENGR 448 - River Hydraulics Units: 3
- ENGR 452 - Drinking Water Treatment Engineering Units: 3
- ENGR 453 - Wastewater Treatment Engineering Units: 3
- ENGR 455 - Engineered Natural Treatment Systems Units: 3
- ENGR 471 - Thermodynamics and Energy Systems II Units: 3
- ENGR 473 - Building Energy Analysis Units: 3
- ENGR 475 - Renewable Energy Power Systems Units: 3
- ENGR 478 - Electricity Grids and Distributed Renewable Energy Units: 3
- ENGR 481 - Selected Topics with Engineering Design Units: 3
- ENGR 498 - Directed Design Project Units: 1-3 (Required Units: 3)

### Environmental Resources Engineering Program Learning Outcomes

Students completing this program will have demonstrated:

- an ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics
- an ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors
- an ability to communicate effectively with a range of audiences
- an ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts
- an ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives

- ESM 309B - Environmental Communication Units: 3
- ESM 325 - Environmental Law and Regulation Units: 3
- ESM 435 - Grant Proposal Writing Units: 2

## Capstone Options

Complete one of the following courses based on declared concentration.

- ESM 410 - Geospatial Capstone Units: 4
- ESM 411 - Energy and Climate Capstone Units: 4
- ESM 415 - Recreation and Park Planning Capstone Units: 4
- ESM 453 - Environmental Education and Interpretation Capstone Units: 4
- ESM 455 - Ecological Restoration Capstone Units: 4
- ESM 475 - Environmental Planning and Policy Capstone Units: 4

## Concentrations

Complete one of the following concentrations to fulfill the requirements of the major.

### Ecological Restoration Concentration (36 Units)

#### Lower Division

- CHEM 107 - Fundamentals of Chemistry Units: 4
- GSP 270 - Geographic Information Science (GIS) Units: 3
- SOIL 260 - Introduction to Soil Science Units: 3

#### Upper Division

- BOT 350 - Plant Taxonomy Units: 4
- ESM 355 - Principles of Ecological Restoration Units: 3
- ESM 425 - Environmental Impact Assessment Units: 3
- FOR 315 - Forest Management Units: 3 **and**
- FOR 431 - Forest Restoration Units: 3
- OR**
- RRS 306 - Wildland Resource Principles Units: 3 **and**
- RRS 430 - Wildland Restoration and Development Units: 3
- WSHD 310 - Hydrology and Watershed Management Units: 4

## Approved Electives

Complete two courses for at least 6 units. Select in consultation with major advisor.

- BOT 354 - Agrostology Units: 4
- BOT 355 - Lichens and Bryophytes Units: 4
- BOT 358 - Biology of the Microfungi Units: 2
- BOT 359 - Biology of the Ascomycetes and Basidiomycetes Units: 2
- BOT 360 - Biology of the Fleshy Fungi Units: 2
- ENGL 311 - Creative Writing for Environmental Justice Units: 4
- ESM 301 - International Environmental Issues and Globalization Units: 3
- ESM 420 - Ecosystem Analysis Units: 3

- ESM 430 - Natural Resource Management in Protected Areas Units: 3
- ESM 460 - Environmental Planning for Public Lands and Rural Communities Units: 3
- ESM 462 - Coastal and Marine Planning Units: 3
- FISH 300 - Introduction to Fishery Biology Units: 3
- FISH 310 - Ichthyology Units: 4
- FISH 320 - Limnology Units: 3
- FISH 476 - Ecology of Running Waters Units: 3
- FOR 321 - Fire Ecology Units: 3
- FOR 374 - Wilderness Area Management Units: 3
- FOR 430 - Forest Ecosystems Units: 3
- GEOL 306 - General Geomorphology Units: 3
- GSP 370 - Intermediate Geographic Information Science (GIS) Units: 3
- NAS 331 - Indigenous Natural Resource Management Practices Units: 3
- SOIL 360 - Origin and Classification of Soils Units: 3
- SOIL 363 - Wetland Soils Units: 3
- SOIL 460 - Wildland Soil Management and Erosion Control Units: 3
- SOIL 468 - Introduction to Agroforestry Units: 3
- WSHD 333 - Wildland Water Quality Units: 3
- WSHD 424 - Watershed Hydrology Units: 3
- WSHD 558 - Advanced Climate Change and Land Use Units: 3
- WLDF 365 - Ornithology I Units: 3
- WLDF 430 - Ecology and Management of Wetland Habitats for Wildlife Units: 3
- WLDF 431 - Ecology and Management of Upland Habitats for Wildlife Units: 3
- WLDF 460 - Conservation Biology Units: 3
- ZOOL 316 - Freshwater Aquatic Invertebrates Units: 3
- ZOOL 354 - Herpetology Units: 4
- ZOOL 356 - Mammalogy Units: 3
- ZOOL 358 - General Entomology Units: 4

Note: 24 units may double-count toward GE requirements.

### Energy and Climate Concentration (40 Units)

#### Lower Division

- CHEM 107 - Fundamentals of Chemistry Units: 4 (CHEM 109 and CHEM 110 may be substituted for CHEM 107.)
- ECON 104 - Contemporary Topics in Economics Units: 3
- MATH 105 - Calculus for the Biological Sciences and Natural Resources Units: 3
- PHYX 106 - College Physics: Mechanics and Heat Units: 4
- PHYX 107 - College Physics: Electromagnetism and Modern Physics Units: 4

#### Upper Division

- ECON 450 - Energy Economics and Climate Policy Units: 4
- ENGR 305 - Appropriate Technology Units: 3
- ENGR 371 - Energy Systems and Technology Units: 3
- ESM 370 - Energy, Technology and Society Units: 3

- ESM 425 - Environmental Impact Assessment Units: 3

### Climate Science

Complete two courses:

- CHEM 370 - Earth System Chemistry Units: 3
- OCN 420 - Oceans and Climate Units: 3
- WSHD 458 - Climate Change and Land Use Units: 3

Note: 24 units may double-count toward GE requirements.

### Environmental Education and Interpretation Concentration (37 Units)

- GEOL 109 - General Geology Units: 4  
**OR**
- SOIL 260 - Introduction to Soil Science Units: 3
- CHEM 107 - Fundamentals of Chemistry Units: 4  
**OR**
- GEOG 106 - Physical Geography Units: 3  
**OR**
- PHYX 104 - Descriptive Astronomy Units: 4
- ESM 210 - Public Land Use Policies and Management Units: 3
- ESM 215 - Natural Resources and Recreation Units: 3
- ESM 253 - Interpretive Computer Graphics Units: 3
- CD 209 - Middle Childhood Development Units: 3
- ESM 350 - Fundamentals of Environmental Education and Interpretation Units: 3
- ESM 351 - Environmental Interpretation Field Trip Units: 1
- ESM 353 - Environmental Education and Interpretation Graphics Units: 3
- ESM 430 - Natural Resource Management in Protected Areas Units: 3
- ESM 450 - Applied Environmental Education and Interpretation Units: 3
- ESM 482 - Internship Units: 2-3 (Required Units: 2)  
**OR**
- ESM 499 - Directed Study Units: 1-3 (Required Units: 2)

### Science or Natural Resources Depth Electives

Complete one course (3 units) selected in consultation with major advisor.

- BOT 300 - Plants and Civilization Units: 3
- BOT 330 - Plant Ecology Units: 2 and
- BOT 330L - Plant Ecology Lab Units: 1
- BOT 350 - Plant Taxonomy Units: 4
- BOT 354 - Agrostology Units: 4
- FOR 130 - Dendrology Units: 3
- FOR 307 - California's Forests and Woodlands Units: 3
- ANTH 394 - Regional Survey of North American Archaeology Units: 4
- HIST 371 - Civil War and Reconstruction Units: 4
- HIST 383 - California History Units: 4
- HIST 368 - Colonial and Revolutionary America Units: 4
- NAS 331 - Indigenous Natural Resource Management Practices Units: 3

- NAS 306 - Indigenous Peoples of the Americas Units: 3
- NAS 304 - Native Tribes of California Units: 3
- GEOG 352 - Weather, Climate and Natural Hazards Units: 3
- GEOL 306 - General Geomorphology Units: 3
- GEOL 300 - Geology of California Units: 3 and
- GEOL 300L - Geology of California Field Trip Units: 1
- GEOL 303 - Earth Resources and Global Environmental Change Units: 3
- GEOL 305 - Fossils, Life and Evolution Units: 3
- SOIL 360 - Origin and Classification of Soils Units: 3
- SOIL 363 - Wetland Soils Units: 3
- WSHD 458 - Climate Change and Land Use Units: 3
- BIOL 430 - Intertidal Ecology Units: 3
- FISH 300 - Introduction to Fishery Biology Units: 3
- FISH 320 - Limnology Units: 3
- FISH 260 - Fish Conservation and Management Units: 3
- FOR 374 - Wilderness Area Management Units: 3
- FOR 315 - Forest Management Units: 3
- RRS 306 - Wildland Resource Principles Units: 3
- SOIL 460 - Wildland Soil Management and Erosion Control Units: 3
- OCN 109 - General Oceanography Units: 3
- OCN 301 - Marine Ecosystems - Human Impact Units: 3
- OCN 310 - Biological Oceanography Units: 4
- WLDF 301 - Principles of Wildlife Management Units: 3
- WLDF 365 - Ornithology I Units: 3
- WSHD 310 - Hydrology and Watershed Management Units: 4
- ZOOL 356 - Mammalogy Units: 3
- ZOOL 358 - General Entomology Units: 4
- ZOOL 314 - Invertebrate Zoology Units: 5
- ZOOL 316 - Freshwater Aquatic Invertebrates Units: 3
- ZOOL 354 - Herpetology Units: 4

Note: 24 units may double-count toward GE requirements.

### Environmental Planning and Policy (39 Units)

#### Lower Division

- CHEM 107 - Fundamentals of Chemistry Units: 4 \*\*
- ESM 210 - Public Land Use Policies and Management Units: 3
- GSP 270 - Geographic Information Science (GIS) Units: 3

#### Upper Division

- ESM 360 - Introduction to Environmental Planning Methods Units: 3
- ESM 365 - Local Government Planning Units: 3
- ECON 423 - Environmental and Natural Resources Economics Units: 3
- ESM 425 - Environmental Impact Assessment Units: 3
- ESM 460 - Environmental Planning for Public Lands and Rural Communities Units: 3
- ESM 462 - Coastal and Marine Planning Units: 3
- ESM 482 - Internship Units: 2-3 (Required Units: 2)  
**OR**

- ESM 499 - Directed Study Units: 1-3 (Required Units: 2)

### Ecology & Management

Complete one course.

- ESM 355 - Principles of Ecological Restoration Units: 3
- ESM 370 - Energy, Technology and Society Units: 3
- ESM 420 - Ecosystem Analysis Units: 3
- ESM 430 - Natural Resource Management in Protected Areas Units: 3
- FOR 321 - Fire Ecology Units: 3
- FOR 374 - Wilderness Area Management Units: 3
- FISH 476 - Ecology of Running Waters Units: 3
- WLDF 460 - Conservation Biology Units: 3

### Natural Resource Science Fundamentals

Complete one natural resource science fundamentals course:

- FOR 130 - Dendrology Units: 3
- GEOL 109 - General Geology Units: 4
- SOIL 260 - Introduction to Soil Science Units: 3
- BOT 350 - Plant Taxonomy Units: 4
- WSHD 310 - Hydrology and Watershed Management Units: 4

### Approved Electives

Complete one course selected in consultation with major advisor.

- BOT 354 - Agrostology Units: 4
- BOT 358 - Biology of the Microfungi Units: 2
- BOT 359 - Biology of the Ascomycetes and Basidiomycetes Units: 2
- BOT 360 - Biology of the Fleshy Fungi Units: 2
- BOT 355 - Lichens and Bryophytes Units: 4
- ENGL 311 - Creative Writing for Environmental Justice Units: 4
- ESM 301 - International Environmental Issues and Globalization Units: 3
- ESM 430 - Natural Resource Management in Protected Areas Units: 3
- ESM 460 - Environmental Planning for Public Lands and Rural Communities Units: 3
- ESM 462 - Coastal and Marine Planning Units: 3
- FISH 300 - Introduction to Fishery Biology Units: 3
- FISH 310 - Ichthyology Units: 4
- FISH 320 - Limnology Units: 3
- FISH 476 - Ecology of Running Waters Units: 3
- FOR 321 - Fire Ecology Units: 3
- FOR 374 - Wilderness Area Management Units: 3
- FOR 430 - Forest Ecosystems Units: 3
- GEOL 306 - General Geomorphology Units: 3
- GSP 370 - Intermediate Geographic Information Science (GIS) Units: 3
- NAS 331 - Indigenous Natural Resource Management Practices Units: 3
- RRS 360 - Wildland Plant Communities Units: 3
- SOIL 360 - Origin and Classification of Soils Units: 3
- SOIL 363 - Wetland Soils Units: 3

- SOIL 460 - Wildland Soil Management and Erosion Control Units: 3
- SOIL 468 - Introduction to Agroforestry Units: 3
- WLDF 365 - Ornithology I Units: 3
- WLDF 430 - Ecology and Management of Wetland Habitats for Wildlife Units: 3
- WLDF 431 - Ecology and Management of Upland Habitats for Wildlife Units: 3
- WLDF 460 - Conservation Biology Units: 3
- WSHD 333 - Wildland Water Quality Units: 3
- WSHD 424 - Watershed Hydrology Units: 3
- WSHD 458 - Climate Change and Land Use Units: 3
- ZOOL 316 - Freshwater Aquatic Invertebrates Units: 3
- ZOOL 354 - Herpetology Units: 4
- ZOOL 356 - Mammalogy Units: 3
- ZOOL 358 - General Entomology Units: 4

Note: 24 units may double-count toward GE requirements.

\*\* CHEM 109 & CHEM 110 may be substituted for CHEM 107.

Complete two upper division policy and management courses, chosen from a list of approved courses provided by your advisor, from ENGR, FISH, FOR, GEOG, NAS, PHIL, PSCI, RRS, SOIL, WSHD, WLDF. (Prerequisites may be required for some courses, depending on choice.)

### Geospatial Science Concentration (34 Units)

#### Lower Division

- GEOG 106 - Physical Geography Units: 3
- GSP 216 - Introduction to Remote Sensing Units: 3
- GSP 270 - Geographic Information Science (GIS) Units: 3

#### Upper Division

- GSP 316 - Cartography Units: 4
- GSP 318 - Geospatial Programming I Units: 3
- GSP 326 - Intermediate Remote Sensing Units: 3
- GSP 330 - Mobile Mapping Units: 3
- GSP 370 - Intermediate Geographic Information Science (GIS) Units: 3
- GSP 418 - Geospatial Programming II Units: 3
- **OR**
- GSP 436 - Advanced Remote Sensing Units: 3
- **OR**
- GSP 470 - Advanced Geospatial Analysis and Modeling Units: 3
- ESM 425 - Environmental Impact Assessment Units: 3

#### Natural Resources Depth

Complete one course (minimum 3 units).

- ESM 360 - Introduction to Environmental Planning Methods Units: 3
- ESM 430 - Natural Resource Management in Protected Areas Units: 3
- FISH 260 - Fish Conservation and Management Units: 3
- FISH 300 - Introduction to Fishery Biology Units: 3
- FOR 302 - Forest Ecosystems and People Units: 3
- FOR 307 - California's Forests and Woodlands Units: 3
- GEOL 300 - Geology of California Units: 3

- GEOL 303 - Earth Resources and Global Environmental Change Units: 3
- GEOL 306 - General Geomorphology Units: 3
- GEOL 308 - Natural Disasters Units: 3
- OCN 301 - Marine Ecosystems - Human Impact Units: 3
- OCN 304 - Resources of the Sea Units: 3
- RRS 306 - Wildland Resource Principles Units: 3
- WSHD 310 - Hydrology and Watershed Management Units: 4
- WSHD 333 - Wildland Water Quality Units: 3
- WLDF 301 - Principles of Wildlife Management Units: 3
- WLDF 468 - Spatial Wildlife Ecology Units: 3

Note: 33 units may double-count toward GE requirements.

## Environmental Science & Management Program Learning Outcomes

1. Students will be able to apply science to understanding ecosystems and natural resources.
2. Students will understand the policy and socio-cultural implications of environmental issues.
3. Students will be able to analyze human impacts on the physical, biological, and/or cultural world, and propose appropriate management strategies.
4. Students will be able to seek out original and secondary sources of information necessary to understand complex environmental issues.
5. Students will be able to communicate with the public and professionals concerning the environmental sciences.
6. Students will be able to use critical thinking skills and apply measurable criteria to evaluate contemporary environmental decision-making.

### Associated Faculty & Advisors

Natalie Arroyo, Gillian Black, Craig Benson, Kerry Byrne, Jeff Dunk, Yvonne Everett, Kevin Fingerman, James Graham, Jennifer Kalt, Rhiannon Lewis-Stephenson, Buddhika Madurapperuma, Nick Malloy, Jennifer Marlow, Steven Martin, Judith Mayer, Jack Murphy, Alison O'Dowd, Jennifer Ortega, Laurie Richmond, Amy Rock, Roxann Schroeder, Jennifer Tarlton, William Trush, Julie Van Sickle, Casey Vaughn, Tashina Welliver

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## Environmental Studies, B.A.

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Do you love the natural world but also love thinking about culture, people, politics, media, economics, history, literature, art, and identity? Do you want to save the planet and also make the world a more equitable place for all its inhabitants? Do you want to develop a wide range of skills to address the world's most pressing environmental and social dilemmas? Consider an interdisciplinary Environmental Studies degree at Cal Poly Humboldt.

Environmental studies provides students with tools for understanding the complex relationships between human communities and both "natural" and built environments. The program cultivates critical analysis of environmental problems using tools from a variety of disciplines, helps students analyze environmental messages and communicate them effectively, and enables them to act as informed citizens and professionals. This requires knowledge of earth systems science as well as human systems, informed by careful reflection upon ethical concerns and societal values. Students tailor their focus in the degree by choosing a suite of applied courses in one of the "emphasis area" options: Ecology and Conservation Science, Geospatial Analysis, Media Production, Community Organizing, or Appropriate Technology.

## Requirements for the Bachelor's Degree

A bachelor's degree requires a total of 120 units. Students must fulfill General Education & All-University Requirements, residency, unit, and GPA requirements as outlined in the Bachelor's Degree Requirements.

## Requirements for the Major (53-63 Units)

Students must complete all courses in the major with a grade of C- or better.

## Core Courses (47-52 Units)

The following core courses are required for all majors.

### Lower Division

- ENST 120 - Introductory Seminar in Environmental Studies Units: 1
- ENST 195 - Topics in Nature/Culture Units: 3
- ENST 295 - Power, Privilege and the Environment Units: 4
- GEOG 106 - Physical Geography Units: 3
- ESM 230 - Environmental Methods Units: 3
- OR**
- GSP 101 - Geospatial Concepts Units: 3 (required for Geospatial Analysis emphasis)

### Upper Division

- ECON 423 - Environmental and Natural Resources Economics Units: 3
- ENST 381 - Climate Justice and Sustainability Leadership Practicum Units: 1
- ENST 395 - Environmental Studies Research and Analysis Units: 4
- ENST 490 - Environmental Studies Capstone Experience Units: 4
- OR**
- ENST 490S - Environmental Studies Capstone Experience with Service Learning Units: 4
- NAS 331 - Indigenous Natural Resource Management Practices Units: 3
- OR**
- NAS 332 - Environmental Justice Units: 3
- PSCI 306 - Environmental Politics Units: 3

### Arts and Humanities

Complete 6-8 units from the following:

- ART 372B - Radical Graphics: Activism and Climate Units: 3
- ART 395 - Topics in Studio Art Units: 1-6 (with topic: Art & Place for 3 units)
- CRGS 331 - Radical Futures: Race, Environment, and Social Justice Units: 3
- ENGL 311 - Creative Writing for Environmental Justice Units: 4
- ENGL 471 - Literatures of Body, Environment, World-Building Units: 4
- ESM 309B - Environmental Communication Units: 3
- ENST 470 - Climate Justice and Sustainability Leadership Units: 4
- ENST 471 - Arts, Climate, and Health Justice Units: 3
- ENST 480 - Special Topics Units: 3
- PHIL 302 - Environmental Ethics Units: 3

- RS 361 - Environment and Religion Units: 3

### Earth Systems Science

Complete one of the following:

- GEOG 302 - Global Ecology and Biogeography Units: 3
- GEOG 352 - Weather, Climate and Natural Hazards Units: 3
- GEOG 357 - Climate, Ecosystems and People Units: 3
- GEOL 303 - Earth Resources and Global Environmental Change Units: 3
- OCN 304 - Resources of the Sea Units: 3
- WSHD 310 - Hydrology and Watershed Management Units: 4

### Social Sciences

Complete two of the following:

- ECON 309 - Economics of a Sustainable Society Units: 3
- GEOG 301 - International Environmental Issues and Globalization Units: 3
- GEOG 365 - Political Ecology Units: 4
- OR**
- PSCI 365 - Political Ecology Units: 4
- NAS 366 - Tribal Water Rights Units: 4
- PSCI 364 - Technology and Development Units: 4
- PSCI 373 - Politics of Sustainability Units: 4
- SOC 320 - Environmental Sociology Units: 4
- SOC 370 - Environmental Inequality and Globalization Units: 4

### Emphases (6-11 Units)

Complete one emphasis to fulfill the requirements of the major.

The emphasis areas are designed to provide students with skills that complement the core Environmental Studies curriculum. Emphases are not listed on your diploma or transcripts, but you can highlight this additional skill-set on your resume and elsewhere.

### Appropriate Technology Emphasis (10 Units)

- ENST 123 - CCAT Practicum: Variable Topics Units: 1 (Take twice with different topics for a total of 2 units.)
- SOIL 104 - Introduction to Sustainable Agriculture Units: 3
- ENGR 305 - Appropriate Technology Units: 3
- ENGR 308 - Technology and the Environment Units: 3

### Community Organizing Emphasis (10-11 Units)

- COMM 315 - Communication and Social Advocacy Units: 4
- COMM 416 - Social Advocacy Theory and Practice Units: 3
- CRGS 313 - Community Activism Units: 3
- OR**
- EDUC 313 - Community Activism Units: 3
- OR**
- SOC 475 - Community Organizing Units: 4

### Ecology and Conservation Science Emphasis (9-11 Units)

Complete one of the following:

- BIOL 105 - Principles of Biology Units: 4
- BOT 105 - General Botany Units: 4
- WLDF 210 - Introduction to Wildlife Conservation and Administration Units: 3
- ZOOL 110 - Introductory Zoology Units: 4

### Upper Division

Complete two courses.

- BIOL 330 - Principles of Ecology Units: 4
- OR**
- WLDF 301 - Principles of Wildlife Management Units: 3
- WLDF 460 - Conservation Biology Units: 3

### Geospatial Analysis Emphasis (6-7 Units)

Complete one of the following options.

#### Option One

Complete two courses.

- GSP 216 - Introduction to Remote Sensing Units: 3
- GSP 270 - Geographic Information Science (GIS) Units: 3
- OR**
- GSP 280 - Special Topics in GSP Units: 3
- GSP 316 - Cartography Units: 4

#### Option Two

Complete two courses.

- GSP 270 - Geographic Information Science (GIS) Units: 3
- OR**
- GSP 280 - Special Topics in GSP Units: 3
- GSP 370 - Intermediate Geographic Information Science (GIS) Units: 3

### Media Production Emphasis (9 Units)

Complete 6 units from the following:

- ART 108 - Digital Media I Units: 3
- ART 251 - Photography I Units: 3
- JMC 120 - Beginning Reporting Units: 3
- JMC 125 - Media Making Tools Units: 3
- JMC 156 - Video Production Units: 3

### Upper Division

Complete at least 3 units from the following:

- ENGL 460 - Literary Editing and Publishing (Toyon) Units: 4
- FILM 360 - Science, Environment and Natural History Digital Production Units: 4
- FILM 362 - Social Change Digital Production Units: 4
- JMC 325 - Osprey Magazine Production Units: 2
- JMC 327 - Lumberjack News Workshop Units: 2
- JMC 336 - Advanced Video Production Units: 3



- JMC 490 - Seminar in Journalism Units: 1-4 (with topic El Leñador)

## Environmental Studies Program Learning Outcomes

Students completing this program will be able to:

- relate course content to actionable anti-racist and anti-colonial environmental justice praxis and systems analysis
- demonstrate understanding of how environmental challenges involve multiple perspectives and social contexts, and recognize the role of power and privilege in shaping them.
- use humanistic, creative, natural, and/or social scientific knowledges to understand and address environmental challenges
- use emotional skills to identify and sustain the pursuit of their goals.

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## Film, B.A.

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Get a college degree that gives you job skills, opportunities to develop your own creative vision, and have fun while learning! Steeped within the traditions of independent filmmaking, students learn the fundamentals of fiction and non-fiction film through a production-based, hands-on program. Learn more on the Film Program website.

Our curriculum integrates creative exploration and technical skill development with film theory and history, grounded in a liberal arts education that fosters ethical storytellers who artfully explore the human condition in creative ways.

In our foundational Filmmaking I-IV core classes students will develop and master the fundamentals of film and digital production while learning industry protocols, practices and technical workflows. Creating impactful, cinematic stories through the craft and artistry of directing, writing, cinematography, and editing are key components of these courses. We offer advanced electives in other areas such as screenwriting, cinematography and directing.

Students have an opportunity to focus on the environment, social change, natural history and science filmmaking. Humboldt County is home to prime location filming: beaches, redwood forests, Victorian villages, rural farmland, coastal port towns and more.

All aspects of the program stress professionalism with an emphasis on quality as well as collaborative and creative processes. Small class size allows for robust participation and discussion by all students and individualized instruction with faculty who are working professional filmmakers.

Students are encouraged to develop films that will identify and reach underserved audiences that exist outside mainstream media and commercial venues. Our program educates students to be an independent voice that is part of the change advocated by Cal Poly Humboldt's mission statement.

The way audiences consume media and the way filmmakers make and deliver it is constantly evolving. Our program prepares graduates who will be flexible in this ever-shifting environment by stressing solid story development, combined with creative and technical agility. Graduates find jobs as cinematographers, videographers, camera assistants, film editors, sound mixers, boom operators, grips, gaffers, associate producers, line producers, documentary directors, media consultants, screenwriters, script supervisors, production designers, production coordinators, art directors and production assistants.

Students are encouraged to have a minor area of study that complements their film interests, expands their skill set, enhances the depth of their culminating reel (i.e. portfolio), and advances their post-education professional employment opportunities. Interdisciplinary studies foster better critical thinkers and more active participants in social change. The

combination of a science or social science minor and a film major empowers students to better disseminate their research to new and underserved audiences, which in turn positively impacts society.

## Requirements for the Bachelor's Degree

A bachelor's degree requires a total of 120 units. Students must fulfill General Education & All-University Requirements, residency, unit, and GPA requirements as outlined in the Bachelor's Degree Requirements.

## Requirements for the Major (49 Units)

A minimum grade of C- is required for all courses in the major.

- TA 104 - Story Through Word and Image Units: 4
- FILM 305 - Art of Film: Beginning to 1950s Units: 3 and
- FILM 317 - Art of Film Discussion: Pre 1950s Units: 1
- FILM 306 - Art of Film: 1950s to the Present Units: 3 and
- FILM 318 - Art of Film Discussion: Post 1950s Units: 1
- FILM 315 - Filmmaking I Units: 4
- FILM 375 - Filmmaking II Units: 4
- FILM 415 - Filmmaking III Units: 4
- FILM 475 - Filmmaking IV Units: 4
- TA 494 - Senior Seminar Units: 2

## Art Requirement

Complete one course (3 units) from the following:

- ART 104B - Ancient Art Units: 3
- ART 104C - Medieval Art Units: 3
- ART 104F - Renaissance Art Units: 3
- ART 104G - Baroque Art Units: 3
- ART 104H - 19th Century Art Units: 3
- ART 104I - 20th Century Art Units: 3
- ART 104J - American Art Units: 3
- ART 104K - Africa, Oceania, the Americas Units: 3
- ART 104M - Latin American Art Units: 3
- ART 104N - Asian Art Units: 3
- ART 250 - Darkroom Photography Units: 3
- ART 251 - Photography I Units: 3

## Film Elective Courses

Complete two courses (8 units) from the following:

- FILM 350 - Writing for Film Units: 4
- FILM 425 - Film Directing and Production Processes Units: 4
- FILM 455 - Grant Writing Units: 4
- **OR**
- FILM 455S - Grant Writing Units: 4
- FILM 465 - Film Seminar Units: 4 (variable topics)

## Production Elective Courses

Complete two courses (8 units) from the following:

- FILM 360 - Science, Environment and Natural History Digital Production Units: 4
- FILM 362 - Social Change Digital Production Units: 4

- FILM 378 - Film/Digital Production Workshop Units: 1-4 (variable topics)
- FILM 478 - Advanced Film/Digital Production Workshop Units: 1-4 (variable topics)

## Program Learning Outcomes

Students completing this program will have demonstrated:

- fundamental aesthetically-driven technical skills essential to 16mm filmmaking and/ or digital media production
- development of films grounded in ethical storytelling and production processes
- application of creative problem solving and collaborative practices in their work
- integration of film vocabulary and/or analyze global film studies
- synthesis of knowledge with skills through the creation and completion of short films.

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## Fine Arts, B.F.A.

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The Bachelor of Fine Arts (B.F.A.) in Fine Art is a cohort-based program for students in their junior and senior years. Students should apply to the B.F.A. program in their sophomore year for entrance in the following fall semester. Admission to the program is competitive. To be considered, an applicant must have completed the lower division core courses in the art major (15 units) and two lower division studio elective courses in the art studio concentration with a minimum GPA of 3.00 (B average). In addition, applicants are required to electronically submit images of their work, two academic references, a short personal statement and an unofficial transcript. Transfer students interested in the B.F.A. program may apply to the program following the above guidelines. For university transfer requirements, see the "Admission Information" section of the catalog. Please refer to the Department of Art website for current information regarding application guidelines, application forms and timelines.

The B.F.A. in Fine Art is a professional degree intended for students interested in pursuing graduate studies or other professional opportunities. The fine arts major requires 70 units of coursework in art studio and art history, giving students the opportunity to develop a high level of expertise. The lower division coursework is designed to give students a solid technical foundation in studio art. Students at the upper division level focus their study through approved elective courses in painting, drawing and illustration, jewelry and small metals, photography, ceramics, printmaking, sculpture, and digital media/graphic design. B.F.A. students will produce a culminating portfolio of artwork demonstrating perceptual acuity and conceptual understanding at a professional level and will do a public presentation in their final semester.

### Requirements for the Bachelor's Degree

A bachelor's degree requires a total of 120 units. Students must fulfill General Education & All-University Requirements, residency, unit, and GPA requirements as outlined in the Bachelor's Degree Requirements.

### Requirements for the Major (70 Units)

Students must earn a grade of C- or better for all courses taken to satisfy the requirements of the major.

#### Lower Division (27 Units)

- ART 103A - Prehistoric to Medieval Art Units: 3
- ART 105B - Fundamentals of Drawing Units: 3
- ART 105C - 2D Foundations Units: 3
- ART 103B - Renaissance to Contemporary Art Units: 3

- ART 105D - 3D Foundations Units: 3

#### Lower Division Studio Elective Courses

Complete four courses (12 units).

- ART 106 - Painting I Units: 3
- ART 107 - Printmaking I Units: 3
- ART 108 - Digital Media I Units: 3
- ART 109 - Sculpture I Units: 3
- ART 112 - Scientific Drawing I Units: 3
- ART 122 - Life Drawing I Units: 3
- ART 250 - Darkroom Photography Units: 3
- ART 251 - Photography I Units: 3
- ART 273 - Illustration I Units: 3
- ART 282 - Jewelry/Small Metals I Units: 3
- ART 290 - Ceramics I Units: 3

#### Upper Division (43 Units)

##### Art History

- ART 303 - Global Contemporary Art Units: 3

##### Art History Elective Courses

Complete two courses from the following:

- ART 301 - Topics in Western Art History Units: 3
- ART 302 - Topics in Global Art History Units: 3
- ART 304 - Topics in American Art Units: 3
- ART 305 - Museums and the Politics of Display Units: 3
- ART 410 - Art History Seminar Units: 4

##### Professional Development

- ART 437 - Professional Practices in Art Units: 3
- ART 494 - B.F.A. Practicum in Studio Art Units: 4

##### Professional Development Elective

Complete one of the following:

- ART 356 - Museum and Gallery Practices Units: 3
- ART 491A - Teaching Assistant - Studio Units: 3

#### Upper Division Studio Electives

Complete eight courses (24 units) from the following lists. At least one course must be from list B.

##### Studio Electives List A

- ART 321 - Drawing II Units: 3
- ART 325 - Life Drawing II Units: 3
- ART 326 - Painting II Units: 3
- ART 330 - Printmaking: Studio Topics Units: 3
- ART 337 - Photography: Studio Topics Units: 3
- ART 340 - Digital Media II Units: 3
- ART 345 - Sculpture: Studio Topics Units: 3
- ART 346 - Sculpture: Materials and Methods Units: 3
- ART 348 - Jewelry/Small Metals: Casting and Fabrication Units: 3
- ART 350 - Ceramics: High Fire Units: 3
- ART 351 - Ceramics: Low Fire Units: 3
- ART 367 - Photography II Units: 3
- ART 372 - Digital Media: Studio Topics Units: 3
- ART 372B - Radical Graphics: Activism and Climate Units: 3
- ART 373 - Illustration II Units: 3
- ART 395 - Topics in Studio Art Units: 1-6

- ART 396B - Art Workshop Units: 1
- ART 499 - Directed Study Units: 1-6

#### Studio Electives List B

- ART 324 - Drawing III Units: 3
- ART 329 - Painting III Units: 3
- ART 333 - Printmaking Portfolio Development Units: 3
- ART 339 - Photography : Portfolio Development Units: 3
- ART 343 - Digital Media: Portfolio Development Units: 3
- ART 347 - Sculpture: Portfolio Development Units: 3
- ART 349 - Jewelry/Small Metals: Studio Units: 3
- ART 359 - Ceramics: Portfolio Development Units: 3

### Program Learning Outcomes

Students completing this program will be able to:

- Examine the relationship and influence of the visual arts on a historical and cultural context
- Recognize and evaluate critical and aesthetic issues within the history of art and contemporary studio practice.
- Apply aesthetic judgement perceptual sensitivity and critical thinking skill to arts related issues and environments.
- Demonstrate mastery of specific technical, conceptual and/or critical abilities within each concentration area
- Communicate effectively, in both written and oral formats on research and creative issues
- Demonstrate perceptual acuity conceptual understanding and technical facility at a professional entry level in their chosen field

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## Fisheries Biology, B.S.

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The overall goal of the Fisheries Biology Program is to provide students with the knowledge, skills, and motivation required to ensure the conservation of fish and aquatic resources that are faced with increasing societal demands and increasing loss of habitat. We stress development of a field-based understanding of the relationships between freshwater and marine fishes and the habitats upon which they depend, but our program is broad enough to provide specialized training in fish population dynamics and fishery management, restoration ecology, systematics, marine and freshwater aquaculture, fish health management, water pollution biology, and wastewater utilization. Each of these areas has its own important role to play in the overall conservation of fish resources.

Fisheries Biology students have on-campus facilities for hands-on studies: a recirculating freshwater fish hatchery, rearing ponds, spawning pens, and modern laboratories for study of fish genetics, pathology, taxonomy, ecology, and age and growth. Also on campus is the California Cooperative Fish & Wildlife Research Unit, supported by both state and federal government, and a large fish museum collection.

Off campus, students take classes and carry out research projects at the university's marine laboratory in Trinidad, about 12 miles north of campus. A 90' university-owned ocean-going vessel, docked in Eureka, is available for classes and for faculty and graduate student research in nearshore ocean waters. Numerous small boats and a specialized electrofishing boat are available for instruction and research in local bays, lagoons and estuaries.

Our graduates may qualify for certification by the American Fisheries Society as Associate Fisheries Scientists, and many continue their education after Cal Poly Humboldt, receiving MS or Ph.D. degrees in fisheries biology or other closely related fields.

Possible careers: aquarium curator, aquatic biologist, biological technician, environmental specialist, fish culturist, fish health manager, fisheries biologist, fisheries consultant, fisheries geneticist, fisheries modeler, fisheries statistician, hydrologist, museum curator, reservoir manager, restoration ecologist, sewage treatment water analyst, water quality advisor.

Preparation: We recommend that high school students interested in fisheries biology take as many challenging biology, chemistry, mathematics, and computer classes as possible, and that they also stress oral and written communications.

### Requirements for the Bachelor's Degree

A bachelor's degree requires a total of 120 units. Students must fulfill General Education & All-University Requirements, residency, unit, and GPA requirements as outlined in the Bachelor's Degree Requirements.

### Requirements for the Major (71-77 Units)

The Upper Division Area B General Education requirement is met by the coursework within the Fisheries Biology major.

### Core Courses (49-53 Units)

The following core courses are required for all fisheries biology majors.

#### Lower Division

- BIOL 105 - Principles of Biology Units: 4
- CHEM 107 - Fundamentals of Chemistry Units: 4
- FISH 260 - Fish Conservation and Management Units: 3
- STAT 109 - Introductory Biostatistics Units: 4
- ZOOL 110 - Introductory Zoology Units: 4

#### Mathematics Options

Complete one mathematics option below.

- MATH 101 - College Algebra Units: 3 and
- MATH 101T - Trigonometry Units: 3
- MATH 101I - College Algebra with Integrated Support Units: 3 and
- MATH 101T - Trigonometry Units: 3
- MATH 102 - Algebra and Elementary Functions Units: 4
- MATH 105 - Calculus for the Biological Sciences and Natural Resources Units: 3

#### Physical Science

Complete one physical science option below.

- CHEM 128 - Introduction to Organic Chemistry Units: 3
- GEOL 109 - General Geology Units: 4
- PHYX 106 - College Physics: Mechanics and Heat Units: 4
- OCN 109 - General Oceanography Units: 3 and
- OCN 109L - General Oceanography Laboratory Units: 1

### Upper Division

- FISH 310 - Ichthyology Units: 4
- FISH 311 - Fish Physiology Units: 3
- FISH 314 - Fishery Science Communication Units: 3
- FISH 380 - Techniques in Fishery Biology Units: 3
- FISH 460 - Advanced Fish Conservation and Management Units: 3

- FISH 474 - Conservation Genetics of Fish and Wildlife Units: 4

### Quantitative Course

Complete one course.

- FISH 358 - Fisheries Data Analysis Units: 4
- FISH 458 - Fish Population Dynamics Units: 4
- FISH 558 - Fish Population Dynamics Units: 4

### Concentrations

Complete one of the following concentrations to fulfill the requirements of the major.

#### Aquaculture Concentration (22 Units)

- FISH 370 - Aquaculture Units: 4
- FISH 375 - Mariculture Units: 3
- FISH 471 - Fish Diseases Units: 3
- FISH 472 - Advanced Aquaculture Units: 3

#### Approved Electives

Complete 9 units, including at least two courses from the following list. General Education classes may not be used as approved electives. Alternative sets of approved electives may be approved under exceptional circumstances. Discuss with your advisor.

- FISH 335 - US and World Fisheries Units: 3
- FISH 410 - Topics in Advanced Ichthyology Units: 3  
**OR**
- FISH 510 - Topics in Advanced Ichthyology Units: 3
- FISH 434 - Ecology of Freshwater Fish Units: 4
- FISH 435 - Ecology of Marine Fish Units: 4
- FISH 458 - Fish Population Dynamics Units: 4  
**OR**
- FISH 558 - Fish Population Dynamics Units: 4

#### Freshwater Fisheries Concentration (24 Units)

- FISH 320 - Limnology Units: 3
- FISH 320L - Limnology Practicum Units: 1
- FISH 370 - Aquaculture Units: 4
- FISH 434 - Ecology of Freshwater Fish Units: 4
- FISH 476 - Ecology of Running Waters Units: 3

#### Approved Electives

Complete 9 units, at least two courses from the following list. One other course approved by your advisor. General Education classes may not be used as approved electives. Alternative sets of approved electives may be approved under exceptional circumstances. Discuss with your advisor.

- FISH 335 - US and World Fisheries Units: 3
- FISH 375 - Mariculture Units: 3
- FISH 410 - Topics in Advanced Ichthyology Units: 3  
**OR**
- FISH 510 - Topics in Advanced Ichthyology Units: 3
- FISH 435 - Ecology of Marine Fish Units: 4
- FISH 458 - Fish Population Dynamics Units: 4  
**OR**
- FISH 558 - Fish Population Dynamics Units: 4
- FISH 471 - Fish Diseases Units: 3

- FISH 571 - Advanced Fish Disease and Pathology Units: 3

#### Marine Fisheries Concentration (24 Units)

- FISH 335 - US and World Fisheries Units: 3
- FISH 375 - Mariculture Units: 3
- FISH 435 - Ecology of Marine Fish Units: 4
- ZOOL 314 - Invertebrate Zoology Units: 5

#### Approved Electives

Complete 9 units, including at least two courses from the following list. General Education classes may not be used as approved electives. Alternative sets of approved electives may be approved under exceptional circumstances. Discuss with your advisor.

- FISH 370 - Aquaculture Units: 4
- FISH 410 - Topics in Advanced Ichthyology Units: 3  
**OR**
- FISH 510 - Topics in Advanced Ichthyology Units: 3
- FISH 434 - Ecology of Freshwater Fish Units: 4
- FISH 458 - Fish Population Dynamics Units: 4  
**OR**
- FISH 558 - Fish Population Dynamics Units: 4
- FISH 471 - Fish Diseases Units: 3
- FISH 571 - Advanced Fish Disease and Pathology Units: 3

#### Fisheries Biology, B.S. Program Learning Outcomes

Students completing this program will have demonstrated the ability to:

- provide a description of how physical and biological factors of aquatic ecosystems determine the distribution and abundance of fish populations and pose testable hypotheses and experiments to identify specific factors that constrain population growth or distribution
- select and implement basic data collection protocols appropriate for characterizing status of fish communities, including assessment of species composition, abundance, and population structure (age, size, genetic)
- convey scientific concepts in written, oral, and visual communication formats, including following basic guidelines for format and structure of scientific reports, papers, or presentations
- describe and explain how fisheries management problems can be expressed as quantitative models, produce useful tabular and graphic summaries of quantitative data, and conduct simple tests of statistical hypotheses
- describe the scientific, legal, political, and social factors that determine goals for fisheries management and conservation, and to identify appropriate management strategies that can be used to achieve these goals
- critically evaluate their own fisheries work as well as fisheries data, information, and conclusions reported in published peer-reviewed literature, unpublished technical reports, and popular media.

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## Forestry, B.S.

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Cal Poly Humboldt is located in the heart of the coast redwood forest. This environment provides outdoor classrooms for more than half of the

forestry courses. Field trips illustrate lecture concepts and teach field techniques.

Excellent on-campus laboratories complement the outdoor lab. Students have access to the college forest, the Schatz Tree Farm, public and private forest lands, and various production centers. Because Humboldt County also has a large forest products industry, Humboldt is an excellent place to study the resolution of environmental issues with economic concerns.

Students and faculty interact with professional forest managers and researchers of the region both in the classroom and in the field.

Forestry is an incorporative discipline, drawing from the biological, physical, social, and managerial sciences. The curriculum aids in understanding the biological complexities of the forest and the interactions between the forest and social and economic demands.

The program provides sufficient background and depth of education to give a sound basis for professional growth within a broad range of forestry-related careers. Our graduates often start as forest rangers, park rangers, fire fighters, timber cruisers, or surveyors. Some hold staff positions in the federal and state agencies, forest products industry, or with environmental organizations. Graduates go on to build careers in: wildland fire management, forest management, forest protection, park management, watershed management, forest biology, forest engineering, industrial management, resource planning, forest restoration, and research and education.

Visit the Forestry & Wildland Resources website for more information.

Preparation: In high school, take a broad background. Biological/physical sciences, mathematics, social sciences, and the arts are helpful.

## Requirements for the Bachelor's Degree

A bachelor's degree requires a total of 120 units. Students must fulfill General Education & All-University Requirements, residency, unit, and GPA requirements as outlined in the Bachelor's Degree Requirements.

## Requirements for the Major (92-95 Units)

Students must complete all courses in the major with a grade of C- or better.

## Core Courses (64 Units)

The following core courses are required for all forestry majors.

### Lower Division

- BOT 105 - General Botany Units: 4 (or comparable biological science course that meets general education requirements)
- CHEM 107 - Fundamentals of Chemistry Units: 4 (or comparable physical science course that meets general education requirements)
- ESM 105 - Natural Resource Conservation Units: 3
- FOR 130 - Dendrology Units: 3
- FOR 131 - Forest Ecology Units: 3
- FOR 210 - Forest Measurements and Biometry Units: 4
- FOR 222 - Forest Health and Protection Units: 2
- FOR 223 - Introduction to Wildland Fire Units: 2
- FOR 250 - Introduction to Forest Operations Units: 3
- GSP 101 - Geospatial Concepts Units: 3
- SOIL 260 - Introduction to Soil Science Units: 3
  
- STAT 108 - Elementary Statistics Units: 3  
**OR**
- STAT 108I - Elementary Statistics with Integrated Support Units: 3

## Upper Division

Take all lower division courses before beginning upper division work.

- ESM 305 - Environmental Conflict Resolution Units: 3
- FOR 311 - Forest Mensuration and Growth Units: 4
- FOR 331 - Silvics - Foundation of Silviculture Units: 3
- FOR 365 - Forest Economics and Finance Units: 3
- FOR 432 - Silviculture Units: 4
- FOR 359 - CA and US Forest and Wildland Policy Units: 3
- FOR 479 - Forestry Capstone Units: 3
- WSHD 310 - Hydrology and Watershed Management Units: 4

## Concentrations

Complete one concentration to fulfill the requirements of the major.

### Forest Hydrology Concentration (29 Units)

#### Lower Division

- GEOL 109 - General Geology Units: 4
- GSP 216 - Introduction to Remote Sensing Units: 3
- GSP 270 - Geographic Information Science (GIS) Units: 3
- MATH 105 - Calculus for the Biological Sciences and Natural Resources Units: 3
- PHYX 106 - College Physics: Mechanics and Heat Units: 4  
**OR**
- PHYX 109 - General Physics A: Mechanics Units: 4

#### Upper Division

- FOR 471 - Forest Administration and Ethics Units: 3
- GEOL 306 - General Geomorphology Units: 3
- SOIL 467 - Soil Physics Units: 3
- WSHD 333 - Wildland Water Quality Units: 3  
**OR**
- WSHD 424 - Watershed Hydrology Units: 3

Note: This program meets the qualifications for "Forester" and for "Hydrologist" in federal employment.

### Forest Operations Concentration (29 Units)

#### Lower Division

- GSP 216 - Introduction to Remote Sensing Units: 3
- GSP 270 - Geographic Information Science (GIS) Units: 3

#### Upper Division

- FISH 300 - Introduction to Fishery Biology Units: 3  
**OR**
- RRS 306 - Wildland Resource Principles Units: 3
- FOR 350 - Forest Harvesting Systems Units: 3
- FOR 353 - Forest Road Location and Design Units: 3
- FOR 450 - Harvesting Systems Design and Cost Analysis Units: 3
- FOR 471 - Forest Administration and Ethics Units: 3
- FOR 475 - Forest Management Decision Making Units: 3

- FOR 476 - Advanced Forest Management Units: 2

Complete one of the following courses.

- FOR 423 - Wildland Fuels Management Units: 3
- FOR 431 - Forest Restoration Units: 3
- WSHD 458 - Climate Change and Land Use Units: 3

Note: This program meets the qualifications for "Forester" in federal employment.

### Forest Restoration Concentration (29 Units)

This program meets the qualifications for "Forester" in federal employment.

- FISH 300 - Introduction to Fishery Biology Units: 3  
**OR**
- RRS 306 - Wildland Resource Principles Units: 3
- FOR 430 - Forest Ecosystems Units: 3
- FOR 431 - Forest Restoration Units: 3
- FOR 471 - Forest Administration and Ethics Units: 3
- FOR 475 - Forest Management Decision Making Units: 3
- FOR 476 - Advanced Forest Management Units: 2
- GSP 216 - Introduction to Remote Sensing Units: 3
- GSP 270 - Geographic Information Science (GIS) Units: 3

### Electives

Complete two of the following courses.

- BOT 394 - Forest Pathology Units: 3
- ESM 425 - Environmental Impact Assessment Units: 3
- FOR 321 - Fire Ecology Units: 3
- FOR 350 - Forest Harvesting Systems Units: 3
- FOR 353 - Forest Road Location and Design Units: 3
- FOR 374 - Wilderness Area Management Units: 3
- FOR 423 - Wildland Fuels Management Units: 3
- GSP 370 - Intermediate Geographic Information Science (GIS) Units: 3
- RRS 430 - Wildland Restoration and Development Units: 3
- SOIL 468 - Introduction to Agroforestry Units: 3
- WSHD 424 - Watershed Hydrology Units: 3
- WSHD 458 - Climate Change and Land Use Units: 3

### Forest Soils Concentration (28 Units)

This program meets the qualifications for "Forester," "Soil Scientist," and "Soil Conservationist" in federal employment.

#### Lower Division

- GEOL 109 - General Geology Units: 4
- GSP 216 - Introduction to Remote Sensing Units: 3
- GSP 270 - Geographic Information Science (GIS) Units: 3

#### Upper Division

- FISH 300 - Introduction to Fishery Biology Units: 3  
**OR**
- RRS 306 - Wildland Resource Principles Units: 3
- FOR 471 - Forest Administration and Ethics Units: 3
- SOIL 360 - Origin and Classification of Soils Units: 3

- SOIL 460 - Wildland Soil Management and Erosion Control Units: 3

### Complete two of the following courses.

- SOIL 363 - Wetland Soils Units: 3
- SOIL 462 - Soil Fertility Units: 3
- SOIL 465 - Soil Microbiology Units: 3
- SOIL 467 - Soil Physics Units: 3

### Tribal Forestry Concentration (31 Units)

#### Lower Division

- ANTH 105 - Archaeology and World Prehistory Units: 3
- NAS 104 - Introduction to Native American Studies Units: 3
- NAS 200 - Indigenous Peoples in U.S. History Units: 3
- GSP 216 - Introduction to Remote Sensing Units: 3  
**OR**
- GSP 270 - Geographic Information Science (GIS) Units: 3

#### Upper Division

- FISH 300 - Introduction to Fishery Biology Units: 3
- FOR 321 - Fire Ecology Units: 3
- NAS 331 - Indigenous Natural Resource Management Practices Units: 3
- NAS 361 - Tribal Sovereignty, Tribal Citizens Units: 3  
**OR**
- NAS 362 - Tribal Governance and Leadership Units: 3
- NAS 364 - Federal Indian Law I Units: 4  
**OR**
- NAS 365 - Federal Indian Law II Units: 4
- NAS 468 - Tribal Justice Systems Units: 3  
**OR**
- NAS 304 - Native Tribes of California Units: 3

Note: This program meets the qualifications for "Forester" in federal employment.

### Wildland Fire Management Concentration (29 Units)

#### Lower Division

- GSP 216 - Introduction to Remote Sensing Units: 3
- GSP 270 - Geographic Information Science (GIS) Units: 3

#### Upper Division

- FISH 300 - Introduction to Fishery Biology Units: 3  
**OR**
- RRS 306 - Wildland Resource Principles Units: 3
- FOR 321 - Fire Ecology Units: 3
- FOR 323 - Wildland Fire Behavior and Use Units: 3
- FOR 423 - Wildland Fuels Management Units: 3
- FOR 424 - Wildland Fire Internship Units: 3
- FOR 471 - Forest Administration and Ethics Units: 3
- FOR 476 - Advanced Forest Management Units: 2

## Complete one of the following courses.

- FOR 431 - Forest Restoration Units: 3
- FOR 475 - Forest Management Decision Making Units: 3
- GSP 370 - Intermediate Geographic Information Science (GIS) Units: 3
- RRS 370 - Wildland Ecology Principles Units: 3

Note: This program meets the qualifications for "Forester" in federal employment.

## Program Learning Outcomes

Students completing this program will have demonstrated:

- understanding of taxonomy, autecology of trees, plant and wood identification; physiology of trees; ecological concepts, ecosystem processes, structure and function; soil formation, classification, composition and properties; silvicultural principles, stand structure and composition; growth and quality of forests and forest health; fire ecology and use of fire; entomology and pathology; wildlife and fish ecology; plant, soil, water interactions, watershed processes, land measurement, mapping, photogrammetry, remote sensing; sampling theory and methods, statistical literacy; measurement of trees, forests, and forest products; wildlife habitat assessment; measurement of water yields and quality; assessment of non-timber forest values; integrated forest management, multiple-use principles; stand scale management; system and landscape management; forest engineering and road design; harvesting systems; utilization; policy development, sociological influences; administration, environmental regulation; land and resource planning; budgeting, finance, personnel management, cost, and economics
- capable practice of critical thinking; writing; quantitative thinking; public speaking, debate and persuasion; leadership; group cooperation; conflict resolution; time management; professional integration; independent life-long learning; computer literacy and skills
- the attributes of adaptability; integrity; open-mindedness; professional decorum.

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# French and Francophone Studies, B.A.

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The French and Francophone Studies major emphasizes the use of the French language through a curriculum that closely relates the classroom to the Francophone world; that is, everywhere that French is spoken. Creating a personal environment, French-speaking faculty and students participate in film, creative writing, and cultural workshops and retreats. In small classroom settings students study the literature and culture of France and expand their horizons to cultures of such Francophone regions as West Africa, North Africa, Quebec, Louisiana, the Caribbean, and Vietnam. Visiting literary critics, artists, consular officials, and guests from various regions of the French-speaking world complement classroom studies. Videos, films, and computer software integral to the program are available on campus.

The program prepares students to read, understand, speak, and write the French language with advanced proficiency and to understand the rich fabric of Francophone cultures throughout the world. Courses focus on different themes each year, allowing students to gain an in-depth understanding of issues particularly relevant to their academic goals and future careers.

Students in the major are required to study abroad in France or in a Francophone country. There are many outstanding opportunities to complete this requirement in a meaningful way.

Throughout the world, French is one of the most significant languages of diplomacy, communication, and culture. At the same time, our French program recognizes that in the Francophone world, other languages and indigenous cultures have valuable alternative perspectives important for our students, as future national and global leaders, to understand and consider. For this reason, majors are also encouraged to study a second language spoken in a Francophone region, such as Arabic, Wolof, Pulaar, or Creole.

French and Francophone studies majors can work nationally and internationally in the following areas: non-governmental organization official or employee, interpreter, teacher, ESL teacher, foreign service diplomat, United Nations employee, foreign correspondent, travel agent, airline employee, international business person or banker, literary translator, Francophone country tour guide, museum curator (in conjunction with art history studies), import/ export business owner. In the new global economy, many other careers also demand the intercultural expertise acquired by French and Francophone studies majors.

The program prepares students to take advantage of many opportunities for volunteering in international organizations such as the Peace Corps.

## Special Scholarship and Awards

The Department of World Languages and Cultures has three permanent scholarships and awards:

- The Benavides-Garb Family International Travel Award
- The Joe and Helen Bottino Memorial Travel Award
- The Budig-Markin Family Francophone African Studies Award
- The Frank B. Wood Scholarship

All language students are encouraged to apply for these important scholarships and awards to enhance language studies with an international residence. Visit the World Languages and Cultures website for further information.

All students, with or without any previous French language background, are welcome to the program. Students without previous French language background will have the opportunity to acquire the language from the beginning, following the language course sequence: FREN 105, FREN 106, FREN 107, and FREN 207. Students with prior language background will have a head start on the major. Discuss your particular level with a faculty advisor.

## Requirements for the Bachelor's Degree

A bachelor's degree requires a total of 120 units. Students must fulfill General Education & All-University Requirements, residency, unit, and GPA requirements as outlined in the Bachelor's Degree Requirements.

## Requirements for the Major (42 Units)

(includes required courses, major electives and study abroad)

### Lower Division (8 Units)

- FREN 107 - French Level III Units: 4
- FREN 207 - French IV and Intro to Francophone Studies Units: 4

### Upper Division (16-20 Units)

- FREN 310 - Nouvelles en Français: Variable Topics Units: 2-4
- FREN 311 - French V and Stories from the Francophone World Units: 4

- FREN 312 - French VI and (R)evolution in Modern French Literature Units: 4
- FREN 314 - Cultural History Topics in Early French Masterpieces Units: 4
- FREN 340 - Topics in Francophone Culture Units: 2-4

### Major Elective Courses (14-18 Units)

Complete as many elective courses as needed to meet the minimum 42 units required for the major:

- FREN 280 - French Conversation and Retreat Units: 2-3
- FREN 300 - African Storytelling Units: 3-4
- FREN 306 - Sex, Class and Culture: Gender and Ethnic Issues in International Short Stories Units: 3  
OR
- GERM 306 - Sex, Class and Culture: Gender and Ethnic Issues in International Short Stories Units: 3  
OR
- SPAN 306 - Sex, Class and Culture: Gender and Ethnic Issues in International Short Stories Units: 3  
OR
- WS 306 - Sex, Class and Culture: Gender and Ethnic Issues in International Short Stories Units: 3
- FREN 341 - Current Event Topics in the Francophone World Units: 2
- FREN 370 - French Weekend Retreat Units: 1
- FREN 390 - Topics in Cinema of the Francophone World Units: 1-2
- FREN 420 - French Peer Tutoring Units: 1-3
- FREN 480 - Upper Division Seminar/Retreat Units: 1-4
- FREN 492 - Senior Honors Thesis or Project Units: 3
- FREN 499 - Directed Study Units: 1-4

### Required Study Abroad

Complete an approved academic semester program abroad in France or in a Francophone country, equivalent to at least 12 units and normally lasting at least 10 weeks. Students are encouraged to efficiently plan their academic residency abroad to complete major and general education requirements. Program must be selected in consultation with and approved by the major advisor. Students are expected to complete their final semester in residence at Cal Poly Humboldt.

Students may study abroad for one summer semester, a regular semester, or one academic year with such programs as Humboldt's faculty-led programs, the Cal Poly Humboldt Bilateral Exchange Program at the Université Paul Valéry Montpellier, France; CSU International Programs (IP) study abroad in Aix-en-Provence or Paris; or a semester program in Senegal. Study Abroad languages may be French, Arabic, Wolof, Pulaar, or another Francophone African or Caribbean language.

Cost of residency abroad varies according to program and world region. Be sure to understand the costs involved and plan ahead. Consult with the Center for International Programs.

Under exceptional circumstances the residency abroad requirement can be waived by the major advisor.

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## Geography, B.A.

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We offer a high-quality, award-winning undergraduate program incorporating a wide range of courses in human and physical geography, as well as cartography and geospatial techniques. Students obtain a strong

geographic foundation through a sequence of introductory classes, along with a skills-based methodology course and research lab. Geographic concepts, ideas, and skills are developed and mastered in upper-division regional, systematic, and in-depth geography courses. Our majors further develop and demonstrate geographic mastery through a research-based senior capstone. While our program is designed to ensure breadth in geographic education, students may focus their geographic education by specializing in one of the department's three emphasis areas of systematic geography:

- The Human World
- The Physical Environment
- Geospatial Systems

The department upholds a strong tradition of field study, including exploration of the local communities, the Cascades, the Sierra Nevada, and other landscapes of the American west, as well as linkages to overseas programs.

We recommend that students who are interested in this major take history, government, mathematics, science and study a foreign language in high school.

### Requirements for the Bachelor's Degree

A bachelor's degree requires a total of 120 units. Students must fulfill General Education & All-University Requirements, residency, unit, and GPA requirements as outlined in the Bachelor's Degree Requirements.

### Requirements for the Major (41-46 Units)

Students must earn a minimum grade of C- in all required courses for the major.

### Geographic Foundation (14 Units)

- GEOG 105 - Human Geography Units: 3
- GEOG 106 - Physical Geography Units: 3
- GEOG 106L - Physical Geography Laboratory Units: 1
- GSP 101 - Geospatial Concepts Units: 3
- GEOG 310L - Geographic Research Laboratory Units: 1
- GEOG 311 - Geographic Research and Writing Units: 3  
or
- ESM 230 - Environmental Methods Units: 3  
(recommended for students who wish to specialize in the physical environment)

### Regional Synthesis (3-4 Units)

Select one of the regional courses below:

- GEOG 319 - Emergence of the Modern Middle East Units: 4 \*
- GEOG 322 - California Units: 3
- GEOG 472 - Topics in Regional Geography Units: 1-4

### Systematic Geography (18-22 Units)

Complete six systematic geography courses, with at least one course from each of the systematic emphasis areas (the Human World, the Physical Environment, Geospatial Systems). Students may specialize in one area of systematic geography by taking at least two of the remaining three required systematic courses in one emphasis area.

#### The Human World

- GEOG 300 - Global Awareness Units: 3
- GEOG 301 - International Environmental Issues and Globalization Units: 3
- GEOG 304 - Migrations and Mosaics Units: 3



- GEOG 363 - Political Geography Units: 3
- GEOG 365 - Political Ecology Units: 4
- GEOG 470 - Topics in Geography for Teachers Units: 3
- GEOG 470S - Topics in Geography for Teachers Units: 3
- GEOG 471 - Topics in Human Geography Units: 1-4

- analyze, synthesize, and interpret spatial information
- apply geographic thinking in real-world contexts
- analyze and/or appraise real-world societal issues.

#### The Physical Environment

- GEOG 302 - Global Ecology and Biogeography Units: 3
- GEOG 352 - Weather, Climate and Natural Hazards Units: 3
- GEOG 357 - Climate, Ecosystems and People Units: 3
- GEOG 473 - Topics in Physical Geography Units: 1-4
- GEOL 306 - General Geomorphology Units: 3
- WSHD 310 - Hydrology and Watershed Management Units: 4

#### Geospatial Systems

- GSP 216 - Introduction to Remote Sensing Units: 3
- GSP 270 - Geographic Information Science (GIS) Units: 3
- GSP 316 - Cartography Units: 4
- GSP 318 - Geospatial Programming I Units: 3
- GSP 326 - Intermediate Remote Sensing Units: 3
- GSP 370 - Intermediate Geographic Information Science (GIS) Units: 3
- GSP 416 - Advanced Cartography Design Seminar Units: 4

#### Depth Experience (2 Units)

Select a minimum of two upper division depth experience courses:

- GEOG 302M - Global Ecology and Biogeography Depth Experience Units: 1
- GEOG 322M - California Depth Experience Units: 1
- GEOG 352M - Weather, Climate and Natural Hazards Depth Experience Units: 1
- GEOG 357M - Climate, Ecosystems and People Depth Experience Units: 1
- GEOG 363M - Political Geography Depth Experience Units: 1
- GEOG 471M - Topics in Human Geography Depth Experience Units: 1
- GEOG 472M - Topics in Regional Geography Depth Experience Units: 1
- GEOG 473M - Topics in Physical Geography Depth Experience Units: 1

#### Senior Capstone (4 Units)

The following capstone course is required.

- GEOG 411 - Senior Field Research Units: 4

#### Geography Program Learning Outcomes

Students completing this program will have demonstrated the ability to:

- collect data; know where to acquire such and what technology should be employed
- layout and design best geographics
- develop and apply information literacy
- understand causes and implications of spatial interactions and movement patterns
- demonstrate skills and competencies of geographic traditions

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## Geology, B.S.

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The geology program provides students with a solid foundation in Earth system science, how the Earth and its processes affect humans, and how human activities affect the Earth.

The BS degree in geology is recommended for students who plan to seek work as professional geologists (e.g., engineering geology, hydrology, environmental geology, natural resource geology) and/or enter graduate school in the geosciences. The BA degree in geology with a concentration in geoscience is aimed toward students who are interested in careers or pursuing graduate work in broader fields of environmental science, hazard/resource management and planning, environmental policy, and teaching. The second discipline provides greater breadth and expertise in an additional field.

Humboldt's setting provides a natural laboratory to study earthquakes, tsunamis, mountain building, landsliding, river processes, natural mineral and metal resources, volcanism, and rapid coastal erosion. The area Geology also contains good exposures of nearshore marine deposits and fossils recording the late Cenozoic history of the region. Students frequently take field trips to surrounding areas both along the coast and inland. Geology majors may also pursue a thesis project under the supervision of a faculty mentor.

At Humboldt, you will also be able to use research tools including petrographic microscopes, scanning electron microscope, geophysical exploration equipment and a real-time kinematic GPS unit. Employers seek out Humboldt geology graduates because of their competence in the field and rigorous scientific background.

Career opportunities include positions with local/state/federal government scientific and resource management agencies, geotechnical and environmental consulting firms, nonprofit conservation agencies, and universities/colleges/K-12 schools. Job titles of Humboldt geology graduates include: geologist, petrologist, volcanologist, consultant, technical writer or editor, seismologist, emergency manager, hazards mitigation specialist, field geologist, marine geologist, hydrologist, geomorphologist, museum curator, and science teacher.

Students will be most successful if they take mathematics, chemistry, physics, biology and any environmental studies in high school if available. Students need to be able to write and speak effectively in English and are expected to be proficient in computer applications.

#### Requirements for the Bachelor's Degree

A bachelor's degree requires a total of 120 units. Students must fulfill General Education & All-University Requirements, residency, unit, and GPA requirements as outlined in the Bachelor's Degree Requirements.

#### Requirements for the Major (69-70 Units)

##### Lower Division

- CHEM 109 - General Chemistry I Units: 5
- CHEM 110 - General Chemistry II Units: 5
- GEOL 109 - General Geology Units: 4
- GEOL 210 - Earth Systems History Units: 3
- MATH 109 - Calculus I Units: 4
- MATH 110 - Calculus II Units: 4

##### Math Options:

Complete one course.

- MATH 210 - Calculus III Units: 4
- STAT 108 - Elementary Statistics Units: 3

- STAT 108I - Elementary Statistics with Integrated Support Units: 3 and
- STAT 109 - Introductory Biostatistics Units: 4

#### Physics Options:

Complete one of the following physics series:

- PHYX 106 - College Physics: Mechanics and Heat Units: 4 and
- PHYX 107 - College Physics: Electromagnetism and Modern Physics Units: 4

#### OR

- PHYX 109 - General Physics A: Mechanics Units: 4 and
- PHYX 210 - General Physics B: Thermodynamics, Waves and Optics Units: 4

#### Upper Division

- GEOL 306 - General Geomorphology Units: 3
- GEOL 312 - Earth Materials Units: 4
- GEOL 314 - Petrology Units: 4
- GEOL 332 - Sedimentary Geology Units: 4
- GEOL 334 - Structural Geology Units: 4
- GEOL 335 - Geologic Field Methods I Units: 2
- GEOL 435 - Geologic Field Methods II Units: 2
- GEOL 475 - Geology Field Camp Units: 4
- GEOL 486 - Geology Research Methods Units: 1

#### Geology Areas of Specialization

Complete 5 units of approved upper division courses, including at least one of the following:

- GEOL 452 - Glacial and Periglacial Processes Units: 3 or graduate level GEOL 552
- GEOL 453 - Quaternary Stratigraphy Units: 4 or graduate level GEOL 553
- GEOL 456 - Hydrogeology Units: 4 or graduate level GEOL 556
- GEOL 457 - Engineering Geology Units: 3
- GEOL 460 - Solid Earth Geophysics Units: 3
- GEOL 474 - Volcanology Units: 3
- GEOL 482 - Instrumental Methods in Geology Units: 1-3
- GEOL 490 - Senior Thesis Units: 1
- GEOL 492 - Senior Thesis Project Units: 2
- GEOL 524 - Methods of Geochronology Units: 3
- GEOL 531 - Advanced Physical Geology Units: 1-3
- GEOL 550 - Fluvial Processes Units: 3
- GEOL 551 - Hillslope Processes Units: 3
- GEOL 554 - Advanced Geology Field Methods Units: 2
- GEOL 555 - Neotectonics Units: 3

#### Program Learning Outcomes

Students completing this program will:

- understand the fundamental concepts of Earth's many systems
- be able to find, analyze, and assess scientifically credible information about the Earth in both printed and electronic forms
- communicate about Earth science in a meaningful way both verbally and in writing

- be able to make informed and responsible decisions regarding the Earth and its resources
- possess the skills and background to gain employment and/or admission to graduate studies in the Earth sciences.

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## Geology, Geosciences Concentration, B.A.

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The B.A. degree in geology with a concentration in geoscience is aimed toward students who are interested in careers or pursuing graduate work in broader fields of environmental science, hazard/resource management and planning, environmental policy, and teaching. The second discipline provides greater breadth and expertise in an additional field.

Humboldt's setting provides a natural laboratory to study earthquakes, tsunamis, mountain building, landsliding, river processes, natural mineral and metal resources, volcanism, and rapid coastal erosion. The area geology also contains good exposures of nearshore marine deposits and fossils recording the late Cenozoic history of the region. Students frequently take field trips to surrounding areas both along the coast and inland. Geology majors may also pursue a thesis project under the supervision of a faculty mentor.

At Humboldt, you will also be able to use research tools including petrographic microscopes, scanning electron microscope, geophysical exploration equipment and a real-time kinematic GPS unit. Employers seek out Humboldt geology graduates because of their competence in the field and rigorous scientific background. Career opportunities include positions with local/state/federal government scientific and resource management agencies, geotechnical and environmental consulting firms, nonprofit conservation agencies, and universities/colleges/K-12 schools. Job titles of Humboldt geology graduates include: geologist, petrologist, volcanologist, consultant, technical writer or editor, seismologist, emergency manager, hazards mitigation specialist, field geologist, marine geologist, hydrologist, geomorphologist, museum curator, and science teacher.

#### Requirements for the Bachelor's Degree

A bachelor's degree requires a total of 120 units. Students must fulfill General Education & All-University Requirements, residency, unit, and GPA requirements as outlined in the Bachelor's Degree Requirements.

#### Requirements for the Major (67-68 Units)

##### Lower Division (24-25 Units)

- CHEM 109 - General Chemistry I Units: 5
- GEOL 109 - General Geology Units: 4
- GEOL 110 - Field Geology of the Western US Units: 1-2
- GEOL 210 - Earth Systems History Units: 3
- MATH 109 - Calculus I Units: 4
- PHYX 106 - College Physics: Mechanics and Heat Units: 4

##### Statistics

Complete one of the following:

- STAT 108 - Elementary Statistics Units: 3
- STAT 108I - Elementary Statistics with Integrated Support Units: 3
- STAT 109 - Introductory Biostatistics Units: 4

##### Upper Division (31 Units)

- GEOL 300 - Geology of California Units: 3

- GEOL 300L - Geology of California Field Trip Units: 1
- GEOL 303 - Earth Resources and Global Environmental Change Units: 3  
**OR**
- GEOL 308 - Natural Disasters Units: 3
- GEOL 306 - General Geomorphology Units: 3
- GEOL 312 - Earth Materials Units: 4
- GEOL 332 - Sedimentary Geology Units: 4
- GEOL 335 - Geologic Field Methods I Units: 2
- GEOL 435 - Geologic Field Methods II Units: 2
- GEOL 455 - Geology Colloquium Units: 1
- GEOL 465 - Geosciences Senior Project Units: 2
- GEOL 486 - Geology Research Methods Units: 1

#### Upper Division Elective Courses

Complete 5 units of approved upper division geology courses.

### Second Discipline (12 Units)

Complete at least 12 units of department approved courses within a discipline outside of the geology discipline (e.g., business chemistry, geospatial analysis). Students are encouraged, though not required, to pursue a minor in one of these fields so as to broaden technical skills and expertise.

### Program Learning Outcomes

Students completing this program will:

- understand the fundamental concepts of Earth's many systems
- be able to find, analyze, and assess scientifically credible information about the Earth in both printed and electronic forms
- communicate about Earth science in a meaningful way both verbally and in writing
- be able to make informed and responsible decisions regarding the Earth and its resources
- possess the skills and background to gain employment and/or admission to graduate studies in the Earth sciences.

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## History, B.A.

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This program is excellent preparation for a wide range of careers. The emphasis on broadly applicable skills such as research, writing, face-to-face communication, and critical thinking prepare graduates for any number of jobs. More specifically, history graduates are especially well suited to work not only as archivists, academic historians, public historians and curators, but also as diplomats, editors, law clerks, librarians, publicists, and writers. A history degree is also superb academic preparation for graduate studies in law, business, and many academic disciplines.

In high school take history, English, geography, government, and foreign languages.

### Requirements for the Bachelor's Degree

A bachelor's degree requires a total of 120 units. Students must fulfill General Education & All-University Requirements, residency, unit, and GPA requirements as outlined in the Bachelor's Degree Requirements.

### Requirements for the Major (48-52 Units)

All major courses must be passed with a grade of C- or better.

### Core Courses (28 Units)

The following core courses are required for all majors.

- HIST 110 - United States History to 1877 Units: 3
- HIST 111 - United States History from 1877 Units: 3
- HIST 210 - Historical Methods Units: 4

### Survey Courses

Complete two courses selected in consultation with a major advisor.

- HIST 104 - Western Civilization to 1650 Units: 3
- HIST 105 - Western Civilization, 1650 to Present Units: 3
- HIST 106B - Islamic Societies: The Making of the Muslim Middle East Units: 3
- HIST 107 - East Asian History to 1644 Units: 3
- HIST 108 - East Asian Civilization Since 1644 Units: 3
- HIST 109 - Colonial Latin American History Units: 3
- HIST 109B - Modern Latin America Units: 3
- HIST 200 - World Cultures and History: Prehistory to 1500 CE Units: 3 (required for the History Education Concentration)
- HIST 201 - World Cultures and History: 1500 CE to the Present Units: 3 (required for the History Education Concentration)

### History Areas

Students must successfully complete HIST 210 before enrolling in history area courses.

### European History Area

Complete 4 units.

- HIST 300 - The Era of World War I Units: 3 and
- HIST 300R - The Era of World War I, Research Seminar Units: 1
- HIST 301 - The Era of World War II Units: 3 and
- HIST 301R - The Era of World War II, Research Seminar Units: 1
- HIST 314 - Ancient Greek Civilization and History Units: 4
- HIST 315 - History and Civilization of Rome Units: 4
- HIST 322 - The Age of Knights and Monks Units: 4
- HIST 342 - Musketeers, Witches and Kings Units: 4
- HIST 343 - French Revolution and Napoleon Units: 4
- HIST 345 - Imperialism Units: 4
- HIST 348 - Modern Germany Units: 4
- HIST 349 - Renaissance and Reformation Units: 4
- HIST 350 - History of the Soviet Union Units: 4
- HIST 353 - Modern Britain Units: 4
- HIST 392 - Special Topics in European History Units: 1-4

### U.S. History Area

Complete 4 units. Students in the History Education Concentration may not use HIST 383 to fulfill this core requirement.

- HIST 305 - The American West Units: 3 and
- HIST 305M - The American West Depth Experience Units: 1

- HIST 368 - Colonial and Revolutionary America Units: 4
- HIST 369 - Age of Jefferson and Jackson Units: 4
- HIST 371 - Civil War and Reconstruction Units: 4
- HIST 372 - Rise of Modern America, 1877- 1929 Units: 4
- HIST 374 - Contemporary America, 1929 to the Present Units: 4
- HIST 375A - US Foreign Relations, 1789-1943 Units: 4
- HIST 375B - US Foreign Relations, 1943-Present Units: 4
- HIST 383 - California History Units: 4
- HIST 391 - Special Topics and Interdisciplinary Studies in History Units: 1-4

## World Regions History Area

Complete 4 units.

- HIST 319 - Emergence of the Modern Middle East Units: 4
- HIST 323 - Gender and Sexuality in East Asian History Units: 4
- HIST 324 - The Arab-Israeli Conflict: History, Narratives and Nationalism Units: 4
- HIST 326 - History of Mexico Units: 4
- HIST 327 - History of Brazil Units: 4
- HIST 328 - Women and Gender in Latin America Units: 4
- HIST 329 - Imperial China Units: 4
- HIST 338 - Modern Chinese History Units: 4
- HIST 339 - Modern Japanese History Units: 4
- HIST 377 - Vietnam Wars Units: 4
- HIST 393 - Special Topics in Non-Western History Units: 1-4

## Concentrations (Select one)

### Traditional - No Concentration (20 Units)

### History Areas Electives

- Complete an additional 12 units selected from any of the three history areas (European History, U.S. History and World Regions) in the major core.

### Practicum Courses

Complete 4 units from the following:

- HIST 387 - International Education Colloquium Units: 1
- HIST 394 - History Conference Units: 1
- HIST 395 - Classroom Observation for History Day Units: 1
- HIST 396 - International Latino Film Seminar Units: 1
- HIST 397 - Weekend Workshops: Variable Topics Units: 1
- HIST 482 - Internship in History Units: 1-3
- HIST 491 - Mentoring Units: 1-3

### Capstone

- HIST 490 - Senior Seminar Units: 4

### Education Concentration (24 Units)

The History Education concentration is certified by the California Commission on Teacher Credentialing (CCTC) as a Subject Matter Program for Secondary Education Social Sciences. Students who successfully complete this concentration will have demonstrated subject matter competency in the Social Sciences and therefore will not be required to take the California Subject Exam for Teachers (CSET) for Social Science. The History Education concentration prepares students to enter a Single Subject Secondary Education Credential program after they graduate with their B.A. degree.

Students must complete all major courses with a grade of C- or better.

- ECON 323 - Economic History of the US Units: 3
- GEOG 105 - Human Geography Units: 3
- HIST 383 - California History Units: 4
- HIST 395 - Classroom Observation for History Day Units: 1
- HIST 420 - Interpreting History for Teachers Units: 4 (capstone)
- PSCI 230 - Introduction to Comparative Politics Units: 3
- PSCI 303 - Global Inequalities Units: 3
- GEOG 470 - Topics in Geography for Teachers Units: 3
- OR
- GEOG 470S - Topics in Geography for Teachers Units: 3

## Program Learning Outcomes

Students completing this program will have demonstrated the ability to:

- Locate diverse types of historical evidence; evaluate credibility, position or perspective; and determine how to use appropriately
- Place primary and secondary sources in appropriate historical and historiographical context, with attention to the chronology, geography (local, national, and global), culture and methodology
- Develop a body of historical knowledge with range and depth that recognizes the causes and consequences of continuity and change over time
- Be able to understand and evaluate different perspectives and arguments, engaging with the ideas of other historians and citing them appropriately
- Create a research question, conduct effective and wide-ranging research to procure evidence, formulate a persuasive analytical argument, and communicate it effectively in a written or oral format
- Apply historical knowledge and analysis to contribute to contemporary social dialogue and to life-long learning and critical habits of mind essential to an effective and engaged citizenship.

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## Interdisciplinary Studies, Dance Studies Concentration, B.A.

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The dance studies curriculum unifies the physical, intellectual, cultural, and artistic aspects of dance into an invigorating course of study, and prepares students for careers in the dance arts and/or for graduate studies. Experience and practice in a broad range of technical, performance, and creative skills develop the student's capacity to form and transform thought into expressive composition and performance. By investigating the relationship of dance to other art forms, various ethnic groups and cultures, and to social trends through historic and

contemporary periods, our students grasp the profound importance of dance as a fine art and as an essential component of human existence.

Annually, we offer two performances, a fall formal student Choreography Showcase, and a spring faculty/student formal concert "Dance Visions". In coordination with Center Arts, we are able to provide affordable tickets and multiple master class opportunities with internationally-renowned dance artists and companies.

The dance studies program participates annually in American College Dance Association conferences.

Students are highly encouraged to participate in the international exchange programs in order to experience dance as a universal and unifying phenomenon.

Dance studies prepares students for careers as dance teachers, choreographers and performers of innovative and/or multicultural works; performance artists; teacher of mind/body integration techniques; special arts events coordinators; designers of lights, sets and costumes; and prepares students for further study at the graduate level.

Information about dance clubs is available on the Clubs & Organizations website.

Learn more about our dance program on the Dance Studies website.

## Requirements for the Bachelor's Degree

A bachelor's degree requires a total of 120 units. Students must fulfill General Education & All-University Requirements, residency, unit, and GPA requirements as outlined in the Bachelor's Degree Requirements.

## Requirements for the Major (45-47 Units)

A minimum grade of C- is required for all courses in the major.

## Required Courses (28 Units)

Majors must be able to place in DANC 310, DANC 320, and DANC 330 to complete degree. Courses taken as prerequisites may count as dance electives. It is highly recommended that majors take a dance technique class every semester. "T" courses offer 1-unit opportunities to maintain technical and artistic performance skills.

- DANC 104 - Modern/Contemporary II Units: 3
- DANC 287 - Choreography with Rhythmic Analysis Units: 1
- DANC 303 - Dance in World Cultures Units: 3
- DANC 310 - Ballet II Units: 2
- DANC 320 - Jazz Dance Styles II Units: 2
- DANC 330 - Modern/Contemporary III Units: 2
- DANC 350 - Dance Science Units: 2
- DANC 352 - Bodyworks Units: 3
- DANC 354 - Teaching of Dance Units: 2
- DANC 389 - Choreography II Units: 2
- DANC 488 - Dance Performance Ensemble Units: 1-4 (Required Units: 1)
- DANC 489 - Dance Theatre Production Units: 3
- TA 494 - Senior Seminar Units: 2

## Elective Courses (17-19 Units)

### Dance Electives

Complete 4 units from the following courses:

- DANC 240 - African Dance Units: 1
- DANC 241 - Hip-hop Dance Units: 1
- DANC 243 - Tap Dance Units: 1
- DANC 245 - Middle Eastern Dance Units: 1
- DANC 247 - Mexican Folklorico Dance Units: 1

- DANC 248 - Danza Azteca Units: 1

## Dance/Movement Electives

Complete a minimum of 8 units from the following courses:

- DANC 103 - Modern/Contemporary I Units: 3
- DANC 103T - Modern/Contemporary I Skills Maintenance Units: 1
- DANC 104 - Modern/Contemporary II Units: 3
- DANC 104T - Modern/Contemporary II Skills Maintenance Units: 1
- DANC 110 - Ballet I Units: 2
- DANC 110T - Ballet I Skills Maintenance Units: 1
- DANC 120 - Jazz Dance Styles I Units: 2
- DANC 120T - Jazz Styles I Skills Maintenance Units: 1
- DANC 240 - African Dance Units: 1
- DANC 241 - Hip-hop Dance Units: 1
- DANC 243 - Tap Dance Units: 1
- DANC 245 - Middle Eastern Dance Units: 1
- DANC 247 - Mexican Folklorico Dance Units: 1
- DANC 248 - Danza Azteca Units: 1
- DANC 310 - Ballet II Units: 2
- DANC 310T - Ballet II Skills Maintenance Units: 1
- DANC 320 - Jazz Dance Styles II Units: 2
- DANC 320T - Jazz Styles II Skills Maintenance Units: 1
- DANC 330 - Modern/Contemporary III Units: 2
- DANC 330T - Modern/Contemporary III Skills Maintenance Units: 1
- DANC 380 - Special Topics in Dance - Activity Based Units: 1-3
- DANC 480 - Special Topics in Dance Units: 1-4
- DANC 488 - Dance Performance Ensemble Units: 1-4
- DANC 489 - Dance Theatre Production Units: 3
- DANC 499 - Directed Study Units: 1-4
- PE 192 - Latin Dance Units: 1
- PE 196 - Swing Dance Units: 1

## Interdisciplinary Electives

Complete 5-7 units.

- CD 209 - Middle Childhood Development Units: 3  
**OR**
- CD 255 - Early Childhood Development Units: 3
- ES 202 - Hip Hop and the Black Experience Units: 3
- ES 305 - African American Cultural History Units: 3
- ES 314 - Chicano Culture and Society in America Units: 3
- MUS 302 - Music in World Culture Units: 3
- PHIL 309B - Perspectives: Humanities/Science/ Social Science Units: 3
- REC 302 - Inclusive Recreation Units: 3
- TA 105 - Acting I: Principles of Performance Units: 3
- TA 221 - Makeup for Stage and Screen Units: 2
- TA 237 - Production Techniques Units: 3
- TA 307 - Theatre of the Oppressed Units: 3
- TA 333 - Lighting Design Stage and Screen Units: 4
- TA 336 - Costume Design Stage and Screen Units: 4

## Program Learning Outcomes

Students completing the program will have:

- Evaluated basic knowledge of dance from the historical, social and cultural contexts by using specific dance vocabulary.
- Executed basic dance technique skills.
- Demonstrated a basic knowledge of the body from anatomical and/or somatic perspectives.
- Demonstrated knowledge of compositional craft for choreography.
- Identified necessary components of dance production.

- LDRS 351 - Project Implementation/Evaluation Units: 3
- LDRS 411 - Managing Employees/Stakeholders Units: 3
- LDRS 421 - Strategic Sustainability Units: 3
- LDRS 431 - Technology and Leadership Units: 3
- LDRS 441 - Developing Dynamic Organizations Units: 3
- LDRS 451 - Capstone in Leadership Units: 3

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## Interdisciplinary Studies, Leadership Studies Concentration, B.A.

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The Leadership Studies Bachelor's degree-completion program is designed for students who have completed 60 units of undergraduate coursework (see transfer requirements below) and want to gain foundational leadership skills in: planning, critical thinking, sustainability, and organizational transformation. All courses for the major are fully online. Leadership Studies is offered via self-support through the College of Extended Education & Global Engagement. Self-support programs are subject to program specific fees.

The Leadership Studies program offers access to a degree through a dynamic public online education. Following an interdisciplinary approach, students develop personal and professional skills to transform self and enrich communities. Graduates realize their competencies and inspiration toward positively enhancing their careers and lives.

For more information about the program contact Extended Education at 707-826- 3769 or visit the Leadership Studies website.

### Upper Division Transfer Requirements

To be considered an Upper Division Transfer student, you must have:

- Completed a minimum of 60 semester or 90 quarter units of transferable coursework (if transferring from a community college, it is advised to complete 70 semester units or 105 quarter units as allowed);
- have an overall college GPA of at least 2.00;
- be in good standing at the last college or university attended. In simple terms, "good standing" means you are eligible to re-enroll at your last college or university;
- have completed 10 general education courses (30 semester units or 45 quarter units) of basic skills courses, with a grade of C- or better, and, specifically, four courses completed in the following GE breadth areas: A: Written Communication, A: Oral Communication, A: Critical Thinking, and B: Mathematics/Quantitative Reasoning.

### Requirements for the Major

For a description of degree requirements to be fulfilled in addition to those listed below for the major, please see "Bachelor's Degree Requirements"

### Required Courses (30 Units)

- LDRS 311 - Foundations of Leadership Units: 3
- LDRS 321 - Data Driven Leadership Units: 3
- LDRS 331 - Leadership Communication Units: 3
- LDRS 341 - Strategic Planning and Forecasting Units: 3

### Self-Support Program Fees

The Interdisciplinary Studies: Leadership Studies program is offered through self-support mode by the College of Extended Education & Global Engagement. Self-support programs are subject to program specific fees. Fee information is available on the College of Extended Education & Global Engagement website.

This major is not offered as a state-supported program and is not an option for a change of major.

### Program Learning Outcomes

Students completing this major will have demonstrated the ability to:

- analyze and assess an organization's systems of power and privilege
- develop and present long-term strategic plans that promote sustainability
- collect, analyze, and effectively use quantitative and qualitative data using an evidence-based framework
- develop and implement leadership skills to enhance organizational effectiveness
- communicate with diverse groups and be able to evaluate/integrate the perspective of others when seeking solutions to leadership

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## International Studies, B.A.

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The world's biggest challenges are interconnected and the Cal Poly Humboldt International Studies Program helps students remain rooted in the community while becoming agents of change in the world.

A unique interdisciplinary program, International Studies has four distinct components: a core curriculum based on the cultural, political and economic aspects of globalization; proficiency in a second language; a concentration in one of five areas (China, Europe, Latin America, Global Culture, and Development Studies) and the equivalent of a semester study abroad.

These elements come together in a flexible combination of classroom instruction and direct experience with the regions and issues of interest and make Cal Poly Humboldt stand out as one of the few universities in the CSU system that requires both a language and study abroad as part of this degree.

Employers also regularly report language skills, intercultural awareness and study abroad as strong indicators of success in the workplace. This is why our graduates can be found in the international labor force in the US and abroad, working in the private sector, for nonprofits and commonly go on to serve in the Peace Corps. The program also provides a strong foundation for graduate work in many fields.

### Requirements for the Bachelor's Degree

A bachelor's degree requires a total of 120 units. Students must fulfill General Education & All-University Requirements, residency, unit, and GPA requirements as outlined in the Bachelor's Degree Requirements.

### Requirements for the Major (37-58 Units)

A minimum grade of C- must be earned in all courses for the major or local equivalent while abroad.

## Core Courses (25-46 Units )

The following core courses are required for all international studies majors. The range of units includes up to five second language courses, which may be required depending on second language proficiency.

- INTL 210 - Introduction to International Studies Units: 4
- INTL 220 - Introduction to Cultural Studies Units: 3
- INTL 320 - Career Workshop Units: 1
- INTL 387 - International Education Colloquium Units: 1
- INTL 410 - Global Issues Analysis Units: 4
- INTL 490 - International Studies Capstone Units: 3
  
- ECON 305 - International Economics and Globalization Units: 3  
**OR**
- ECON 306 - Economics of the Developing World Units: 3 (required for the Development Studies concentration)
  
- PSCI 240 - Introduction to International Relations Units: 3  
**OR**
- GEOG 363 - Political Geography Units: 3

## Methodology

Complete one course.

- ANTH 318 - Ethnography Units: 4
- CRGS 390 - Theory and Methods Units: 4
- GEOG 311 - Geographic Research and Writing Units: 3
- HIST 210 - Historical Methods Units: 4
- PSCI 295 - Political Research and Analysis Units: 4

## Second Language (0-16 Units )

Demonstrate proficiency in a target language pertinent to the concentration area, equivalent to a fourth semester or higher of college-level language. Meet this requirement by taking a fourth-semester-level language course.

This requirement can also be met by examination. Contact the Department of World Languages and Cultures for instructions.

## Residency Abroad

Complete an approved academic semester program abroad equivalent to at least 12 units and normally lasting at least 10 weeks. Program must be selected in consultation with and approved by advisor.

In exceptional circumstances, the program leader may approve an accommodation based on an alternative experience that meets the residency abroad learning outcome. The procedure for requesting such an accommodation, along with the criteria, can be found on the International Studies website.

Residency abroad may begin during the second semester of a student's sophomore year (generally spring) and must be completed by the end of the first semester of a student's senior year (generally fall).

Residency abroad may not occur during a student's last semester. Students are expected to complete their final semester in residence at Cal Poly Humboldt.

For some concentrations, courses taken abroad may be necessary to fulfill requirements. Concentration electives may also be completed while abroad. Both require prior advisor approval.

All students are encouraged to use their academic residency abroad efficiently by completing, where possible, language and university general education requirements.

The cost of the residency abroad varies according to the program and world region.

Students should understand the costs involved and plan ahead. Consult with the Center for International Programs office.

## Concentrations (12 Units)

Complete one of the following concentrations to fulfill the requirements of the major.

### Chinese Studies Concentration (12 Units)

Complete three breadth area courses and one or more special topic research courses for a minimum of 12 units.

#### Breadth Areas

- ANTH 307 - World Heritage and Archaeology Units: 3 \*
- ANTH 390 - World Regions Cultural Seminar Units: 4 \*
- GEOG 472 - Topics in Regional Geography Units: 1-4 \*
- HIST 107 - East Asian History to 1644 Units: 3  
**OR**
- HIST 108 - East Asian Civilization Since 1644 Units: 3
- HIST 329 - Imperial China Units: 4
- HIST 338 - Modern Chinese History Units: 4
- PHIL 345 - Philosophies of China Units: 3
  
- PSCI 376 - Multilateralism and the United Nations System Units: 2 and
- PSCI 377 - Model United Nations Units: 1
  
- RS 340 - Zen, Dharma and Tao Units: 3

### Special Topic Research

Complete one or more courses for a total of at least 2 units. (Instructor approval required)

- ANTH 499 - Independent Study Units: 1-4 \*
- GEOG 411 - Senior Field Research Units: 4

\* Course only meets requirements if specific topic is appropriate to the concentration area. Consult with an advisor.

## Miscellaneous

Students are encouraged to complement the International Studies program and concentrations by selecting electives related to the international studies field that will fulfill the total number of units for graduation.

Equivalent or Special Topic courses offered by any department may fulfill requirements for any concentration. Prior advisor approval is required.

### Development Studies Concentration (12 units)

- ANTH 316 - Anthropology and Development Units: 4  
**OR**
- ANTH 317 - Gender and Development Units: 4

- PSCI 303 - Global Inequalities Units: 3

## Elective Courses

Complete at least 5 units. At least one of these electives may need to be taken as part of study abroad. Prior advisor approval is required.

- ANTH 316 - Anthropology and Development Units: 4 (if not used to fulfill requirement above)
- ANTH 317 - Gender and Development Units: 4 (if not used to fulfill requirement above)
- GEOG 472 - Topics in Regional Geography Units: 1-4 \*
- PSCI 330 - Political Regimes and Political Change Units: 4 \*
- PSCI 364 - Technology and Development Units: 4
- PSCI 376 - Multilateralism and the United Nations System Units: 2
- PSCI 377 - Model United Nations Units: 1

\* Course only meets requirements if specific topic is appropriate to the concentration area. Consult with an advisor.

## Miscellaneous

Students are encouraged to complement the International Studies program and concentrations by selecting electives related to the international studies field that will fulfill the total number of units for graduation.

Equivalent or Special Topic courses offered by any department may fulfill requirements for any concentration. Prior advisor approval is required.

## European Studies Concentration (12 Units)

Complete at least 12 units. For an emphasis on:

- Europe as a whole, take any four of the courses below
- France, take at least two FREN courses
- Spain, take at least two SPAN courses
- Germany, take at least two courses that focus primarily on Germany or Western Europe.
- ART 301 - Topics in Western Art History Units: 3 \*
- ART 301M - Topics in Western Art History Depth Experience Units: 1 \*
- ART 302 - Topics in Global Art History Units: 3 \*
- ART 302M - Topics in Global Art History Depth Experience Units: 1 \*
- ART 303 - Global Contemporary Art Units: 3 \*
- ART 303M - Global Contemporary Art Depth Experience Units: 1 \*
- ART 304 - Topics in American Art Units: 3 \*
- ART 304M - Topics in America Art Depth Experience Units: 1 \*
- ENGL 342 - Special Topics in Shakespeare Units: 4
- ENGL 350 - Topics in British and Postcolonial Literatures Units: 4
- ENGL 465C - Multicultural Issues in Literature/Languages Units: 4
- FREN 311 - French V and Stories from the Francophone World Units: 4
- FREN 312 - French VI and (R)evolution in Modern French Literature Units: 4

- FREN 480 - Upper Division Seminar/Retreat Units: 1-4 [in English or French]
- GEOG 472 - Topics in Regional Geography Units: 1-4 \*
- GERM 480 - Undergraduate Seminar Units: 1-4
- HIST 300 - The Era of World War I Units: 3
- HIST 301 - The Era of World War II Units: 3
- HIST 345 - Imperialism Units: 4
- HIST 348 - Modern Germany Units: 4
- PHIL 355 - Existentialism Units: 3
- PSCI 376 - Multilateralism and the United Nations System Units: 2 and
- PSCI 377 - Model United Nations Units: 1
- PSCI 330 - Political Regimes and Political Change Units: 4 \*
- SPAN 342 - Cervantes Units: 4
- SPAN 343 - The Golden Age Units: 4
- SPAN 349 - Contemporary Spanish Novel Units: 4
- SPAN 401 - Hispanic Civilization: Spain Units: 4

\* Course only meets requirements if specific topic is appropriate to the concentration area. Consult with an advisor.

## Miscellaneous

Students are encouraged to complement the International Studies program and concentrations by selecting electives related to the international studies field that will fulfill the total number of units for graduation.

Equivalent or Special Topic courses offered by any department may fulfill requirements for any concentration. Prior advisor approval is required.

## Global Cultural Studies Concentration (12 Units)

- ANTH 307 - World Heritage and Archaeology Units: 3 **OR**
- ANTH 390 - World Regions Cultural Seminar Units: 4
- ENGL 305 - Postcolonial Literature/Decolonizing Perspectives Units: 3
- MUS 302 - Music in World Culture Units: 3

## Elective Courses

Complete one course (minimum 3 units).

- ART 104K - Africa, Oceania, the Americas Units: 3
- ART 104M - Latin American Art Units: 3
- ART 104N - Asian Art Units: 3
- DANC 303 - Dance in World Cultures Units: 3
- FREN 300 - African Storytelling Units: 3-4
- FREN 326 - Culture and Civilization: Regional Studies Units: 1-4 [Taught abroad]
- FREN 340 - Topics in Francophone Culture Units: 2-4
- GEOG 472 - Topics in Regional Geography Units: 1-4 \*
- SPAN 344 - Modern Hispanic Theater Workshop Units: 4
- SPAN 345 - Hispanic Cinema Units: 4
- SPAN 346 - Borges and the Contemporary Spanish American Short Story Units: 4
- SPAN 347 - The "Boom" of the Latin American Novel Units: 4
- SPAN 348 - Contemporary Hispanic Poetry Units: 4



- SPAN 349 - Contemporary Spanish Novel Units: 4
- WS 306 - Sex, Class and Culture: Gender and Ethnic Issues in International Short Stories Units: 3  
**OR**
- FREN 306 - Sex, Class and Culture: Gender and Ethnic Issues in International Short Stories Units: 3  
**OR**
- GERM 306 - Sex, Class and Culture: Gender and Ethnic Issues in International Short Stories Units: 3  
**OR**
- SPAN 306 - Sex, Class and Culture: Gender and Ethnic Issues in International Short Stories Units: 3

\* Course only meets requirements if specific topic is appropriate to the concentration area. Consult with an advisor.

### Miscellaneous

Students are encouraged to complement the International Studies program and concentrations by selecting electives related to the international studies field that will fulfill the total number of units for graduation.

Equivalent or Special Topic courses offered by any department may fulfill requirements for any concentration. Prior advisor approval is required.

### Latin American Studies Concentration (12 Units)

Complete two courses in each area for a minimum of 12 units.

### Social Sciences

- ANTH 307 - World Heritage and Archaeology Units: 3
- ES 310 - U.S. and Mexico Border Units: 4
- GEOG 472 - Topics in Regional Geography Units: 1-4 \*
- HIST 109 - Colonial Latin American History Units: 3
- HIST 109B - Modern Latin America Units: 3
- HIST 326 - History of Mexico Units: 4
- PSCI 376 - Multilateralism and the United Nations System Units: 2  
and
- PSCI 377 - Model United Nations Units: 1
- SPAN 365S - Field Experience: Regional Studies Units: 1-4
- SPAN 402 - Hispanic Civilization: Latin America Units: 4

### Arts & Literatures

- ART 104M - Latin American Art Units: 3
- ART 301 - Topics in Western Art History Units: 3 \*
- SPAN 335 - Reading and Writing: Regional Studies Units: 1-4
- SPAN 345 - Hispanic Cinema Units: 4
- SPAN 346 - Borges and the Contemporary Spanish American Short Story Units: 4
- SPAN 347 - The "Boom" of the Latin American Novel Units: 4
- SPAN 348 - Contemporary Hispanic Poetry Units: 4

\* Course only meets requirements if specific topic is appropriate to the concentration area. Consult with

### Miscellaneous

Students are encouraged to complement the International Studies program and concentrations by selecting electives related to the international studies field that will fulfill the total number of units for graduation.

Equivalent or Special Topic courses offered by any department may fulfill requirements for any concentration. Prior advisor approval is required.

### Program Learning Outcomes

Students completing this major will have demonstrated:

- the ability to analyze regional and global issues from economic, political, and cultural perspectives
- linguistic competency in a second language
- cultural competency in diverse international environments
- the ability to gather information and use interdisciplinary analysis skills to critically evaluate regional and global issues
- proficiency in formal written and oral communication
- skills required to build an international career.

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## Journalism, B.A.

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The Journalism major prepares students for careers in digital media production, news, public relations, radio, media research and analysis and related fields. As early as freshmen year, students get hands-on learning producing content for our award-winning student media outlets The Lumberjack, El Leñador, Osprey magazine and KRFH radio station.

Our primary focus is on producing ethical media practitioners while teaching students how to think more critically about the media they consume and produce. Students learn ways to communicate information effectively and tell compelling stories across media technologies. They study the role of the media in society and learn how media industries shape culture and are affected by political and economic systems.

Our students graduate to become writers, reporters, editors, magazine executives, page designers, copy editors, photographers, radio show hosts, news anchors, directors, documentary producers, public relations representatives, advertising directors, sports information directors, sports writers, online editors, web designers, media entrepreneurs and more.

We have two concentrations: News and Public Relations. In 2023, we plan to bring back our Media Studies concentration, so stay tuned for that and more exciting changes to come.

### Requirements for the Bachelor's Degree

A bachelor's degree requires a total of 120 units. Students must fulfill General Education & All-University Requirements, residency, unit, and GPA requirements as outlined in the Bachelor's Degree Requirements.

### Requirements for the Major (45 Units)

#### Core Courses (33 Units)

#### Lower Division

- JMC 105 - Introduction to Mass Communication Units: 3
- JMC 120 - Beginning Reporting Units: 3
- JMC 125 - Media Making Tools Units: 3

#### Upper Division

- JMC 327 - Lumberjack News Workshop Units: 2
- JMC 328 - Media Law Units: 3
- JMC 332 - Media Ethics Units: 3
- JMC 480 - Special Topics Units: 3

**Complete one course from the following:**

- JMC 302 - Mass Media and Popular Arts Units: 3
- JMC 305 - Global Media and Society Units: 3
- JMC 306 - Mass Media History Units: 3
- JMC 309 - Analyzing Media Messages Units: 3

**Experiential Learning Courses**

Complete 6 lower division units (each course may be used once to meet this requirement.)

- JMC 134 - Photojournalism Units: 3
- JMC 150 - Media Design Units: 3
- JMC 154 - Radio and Audio Production Units: 3
- JMC 155 - KRFH On Air Workshop Units: 1
- JMC 156 - Video Production Units: 3
- JMC 160 - El Leñador News Units: 2

**Complete 4 upper division units (each course may be used once to meet this requirement.)**

- JMC 325 - Osprey Magazine Production Units: 2
- JMC 333 - Radio News Workshop Units: 2
- JMC 355 - Advanced KRFH On Air Workshop Units: 2
- JMC 360 - Advanced El Leñador News Units: 2
- JMC 427 - Advanced Lumberjack News Workshop Units: 2
- JMC 482 - Media Internship Units: 1-3
- JMC 490 - Seminar in Journalism Units: 1-4

**Concentrations**

Complete one of the following concentrations to fulfill the requirements of the major.

**News Concentration (12 Units)**

- JMC 318 - Media Research Units: 3  
**OR**
- JMC 322 - Editing Units: 3

**Upper Division Electives**

Complete 9 units from the following:

- JMC 320 - Advanced Reporting Units: 3
- JMC 324 - Feature Writing for Publication Units: 3
- JMC 334 - Advanced Photojournalism Units: 3
- JMC 336 - Advanced Video Production Units: 3
- JMC 450 - Media Management and Entrepreneurship Units: 3

**Public Relations Concentration (12 Units)**

- JMC 322 - Editing Units: 3
- JMC 323 - Public Relations Units: 3
- JMC 429 - Advanced Public Relations Units: 3

**Upper Division Electives**

Complete one of the following courses:

- JMC 318 - Media Research Units: 3
- JMC 354 - Media Advertising Units: 3
- JMC 450 - Media Management and Entrepreneurship Units: 3

**Program Learning Outcomes**

Students completing this program will have demonstrated:

- knowledge of media laws and First Amendment rights and limitations
- they understand how media professionals, institutions, and industries produce and shape the news
- they understand ethical principles related to mass media
- they are able to gather information from diverse sources
- they can write clearly in forms and styles appropriate for the communications professions, audiences, and purposes they service
- they can critically evaluate their own work and that of others for accuracy and fairness, clarity, appropriate style and grammatical correctness
- they can tell non-fiction stories across media forms using visual and audio tools and technologies.

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**Kinesiology, B.S.**

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Humboldt provides students with three state-of-the-art laboratory facilities, including the human performance, biomechanics, and behavioral performance labs. In addition, our facilities include a natatorium, two gymnasiums, a dance studio, an all-weather track and field, cross-country trails, stadium, and two playing fields round out the facilities. Students develop their skills through fieldwork and practicum experiences in addition to their academic coursework.

Students who wish to earn both a B.S. and M.S. in Kinesiology, may be interested in the Kinesiology Four Plus One (4+1) Program. The 4+1 program allows students with the necessary academic skills and who demonstrate exceptional promise for advanced study, to complete the degree requirements for the Bachelor's degree and Master's degree in 5 years. For additional information see Kinesiology, M.S. or visit the Kinesiology and Recreation Administration website.

High school students should take the college preparatory program plus biology, math, anatomy, and physiology. Participation in intercollegiate sports, physical activities, and a computer course are encouraged.

**Requirements for the Bachelor's Degree**

A bachelor's degree requires a total of 120 units. Students must fulfill General Education & All-University Requirements, residency, unit, and GPA requirements as outlined in the Bachelor's Degree Requirements.

**Requirements for the Major (67-77 Units)**

Students must earn a C- or better in all required courses for the major that have a KINS, ZOOL, REC, or HED prefix (or their equivalent, in the case of courses transferred from another institution).

The Upper Division Area B General Education requirement is met by the coursework within the Bachelor of Science degree for Kinesiology.

**Core Courses (44-47 Units)**

**Lower Division**

- BIOL 104 - General Biology Units: 3  
**OR**
- BIOL 105 - Principles of Biology Units: 4 (required for pre-health professional concentration) \*

- CHEM 109 - General Chemistry I Units: 5  
**OR**
- KINS 288 - Foundations of Science in Kinesiology Units: 3
- HED 120 - Responding to Emergencies - CPRFPR Units: 1
- HED 231 - Basic Human Nutrition Units: 3
- KINS 165 - Foundations of Kinesiology Units: 3
- ZOOL 113 - Human Physiology Units: 4
- ZOOL 270 - Human Anatomy Units: 4

### Upper Division

- HED 392 - Community and Population Health Units: 3
- KINS 379 - Exercise Physiology Units: 4
- KINS 385 - Adapted Physical Activity Units: 3
- KINS 386 - Structural Kinesiology Units: 4
- KINS 483 - Evaluation Techniques in Kinesiology Units: 3
- KINS 484 - Motor Development/Motor Learning Units: 3
- KINS 492 - Senior Seminar in Kinesiology Units: 3

### Concentrations (28-30 Units)

Complete one of the following concentrations to fulfill the requirements of the major.

#### Exercise Science Concentration

The Exercise Science Concentration will prepare students for careers in adult fitness; cardiac rehabilitation; strength and conditioning; corporate, community, and commercial health/ fitness programs; and for graduate study in exercise science/exercise physiology. The curriculum also helps to prepare students to sit for recognized professional certification examinations offered by the American College of Sports Medicine and the National Strength and Conditioning Association

Kinesiology Core: 44-47 units + Exercise Science Concentration 30 units = 74-77 units for the major.

### Upper Division

- KINS 325 - Health-Related Exercise Units: 2  
**OR**
- KINS 339 - Group Exercise Instruction Units: 2  
**OR**
- PE 158 - Strength Fitness Units: 2
- HED 342 - Nutrition for Athletic Performance Units: 3
- KINS 425 - Strength and Conditioning Units: 3
- KINS 456A - Fitness Assessment and Exercise Programming Units: 4
- KINS 456B - Fitness Assessment and Exercise Programming Units: 4
- KINS 460 - Human Performance Lab Techniques Units: 1
- KINS 482 - Internship in Kinesiology Units: 2-7 (7 units are required)

### Upper Division Electives

Complete 6 units of upper division coursework with and approval of major advisor.

### Health Promotion Concentration

Professionals in the health promotion field, work to promote and educate the public on health and the prevention of disease and illness. A degree in health promotion can provide students with the skills necessary to gain employment in a variety of community health settings, including public health departments, hospital-based health programs, professional and commercial health organizations, and corporate health settings among others. The curriculum also helps to prepare students to sit for recognized professional certification examinations including the Certified Health Education Specialist Exam.

Kinesiology Core: 44-47 units + Health Promotion Concentration 30 units = 74-77 units for the major.

### Upper Division Requirements (30 Units)

- HED 344 - Weight Control Units: 3
- HED 345 - Health Messaging and Mass Media Units: 3
- HED 388 - Community Based Health Promotion Units: 3
- HED 390 - Design and Implement HP Program Units: 3
- KINS 474 - Psychology of Sport and Exercise Units: 3  
**OR**
- PSYC 306 - Health Psychology Units: 3

### Diversity

Complete one course.

- CRGS 321 - Trans\* Lives and Theory Units: 3
- CRGS 430 - Decolonizing Gender and Sexuality Units: 4
- ES 304 - Migrations and Mosaics Units: 3
- ES 308 - Multi-Ethnic Resistance in the U.S. Units: 3
- GEOG 304 - Migrations and Mosaics Units: 3
- PSYC 302 - Psychology of Prejudice Units: 3
- SOC 303 - Race and Inequality Units: 3

### Approved Electives

Complete 12 units from the following:

- HED 342 - Nutrition for Athletic Performance Units: 3
- KINS 325 - Health-Related Exercise Units: 2
- KINS 339 - Group Exercise Instruction Units: 2
- KINS 425 - Strength and Conditioning Units: 3
- KINS 456A - Fitness Assessment and Exercise Programming Units: 4
- KINS 456B - Fitness Assessment and Exercise Programming Units: 4
- KINS 460 - Human Performance Lab Techniques Units: 1
- PSYC 436 - Human Sexuality Units: 3
- REC 420 - Legal and Financial Aspects of Recreation Units: 3.

### Physical Education Teaching Concentration

Prepare to teach physical education in junior high and high school. (For information on the preliminary teaching credential, see Education. See the program listing for Adapted Physical Education Added Authorization for credential information.)

Graduates also enter careers as intramural directors, health spa instructors, coaches, recreational directors, sports program directors, and camp directors.

In addition to core academic courses, students enroll in activity courses which help them develop fitness and performance skills. Humboldt's Human Performance Laboratory offers modern equipment. Other facilities include two gymnasiums, an indoor pool, an all-weather track, cross-country trails, a field house, weight room, and stadium.

Kinesiology core (44-47 units) + Physical Education Teaching Concentration (28 units) = 72-75 units for the major.

### Concepts of Teaching (14 Units)

- DANC 354 - Teaching of Dance Units: 2
- KINS 311 - Concepts of Teaching Aquatics Units: 2
- KINS 315 - Concepts of Teaching Dynamic Patterns of Movement Units: 2
- KINS 325 - Health-Related Exercise Units: 2
- KINS 327 - Games Concepts I Units: 3
- KINS 329 - Games Concepts II Units: 3

### Upper Division Requirements (14 Units)

- HED 405 - School Health Programs Units: 3
- KINS 384 - Curriculum and Instructional Strategies in Physical Education Units: 3
- KINS 474 - Psychology of Sport and Exercise Units: 3
- KINS 475 - Elementary School Physical Education Units: 3
- KINS 486 - Theory of Coaching Units: 2

Please note: Degree requirements listed above do not include the professional education courses required for a teaching credential. Students earning this degree may waive CSET assessments before entering the credential program. Before applying to the secondary education credential program, students must meet the prerequisite of 45-hours early field experience. Please consult with an advisor.

### Pre-Health Professions Concentration

Careers in the health care industry are increasing and completion of this concentration provides the academic requirements necessary to enter a graduate program for physical therapy, occupational therapy, physician assistant, athletic trainer or other health professions such as nursing, medical school, respiratory therapist or prosthetics and orthotics. Upper division electives built into the curriculum (upon consultation with and approval of their advisor) allow students the flexibility to take additional classes required for the graduate program(s) they are interested in attending.

Students also have the opportunity to gain more knowledge and experience in the physical therapy (and related) fields through a practica experience. During these placements in local physical therapy clinics and hospitals, students learn the basic skills to provide patient care and the essentials of evidence-based practice alongside physical therapists. In addition to being immersed in the field and accumulating observational hours needed to apply to graduate programs, students also attend presentations by current graduate students, physical therapists, and other health professionals, as well as workshops to help students' preparation for applying to graduate school.

Kinesiology core (44-47 units) + Pre-Health Professions Concentration (24-26 units) = 67-71 units for the major.

### Lower Division (12 Units)

- KINS 244 - Medical Terminology Units: 1
- PHYX 106 - College Physics: Mechanics and Heat Units: 4
- PHYX 107 - College Physics: Electromagnetism and Modern Physics Units: 4

- STAT 108 - Elementary Statistics Units: 3  
**OR**
- STAT 108I - Elementary Statistics with Integrated Support Units: 3

### Upper Division (12-17 Units)

- PSYC 338 - Abnormal Psychology Units: 3

### Approved Electives

Complete three courses, selected in consultation with major advisor. (Other course options are available with advisor approval.)

- ANTH 103 - Biological Anthropology Units: 3
- BIOL 340 - Genetics Units: 4
- BIOL 412 - General Microbiology Units: 4
- CHEM 110 - General Chemistry II Units: 5
- CHEM 324 - Organic Chemistry I Units: 3
- CD 350 - Perspectives: Life-Span Development Units: 3
- HED 344 - Weight Control Units: 3
- KINS 456A - Fitness Assessment and Exercise Programming Units: 4
- KINS 460 - Human Performance Lab Techniques Units: 1
- KINS 474 - Psychology of Sport and Exercise Units: 3
- KINS 490 - Practica Units: 3
- PSYC 104 - Introduction to Psychology Units: 3
- PSYC 311 - Developmental Psychology Units: 3
- SOC 104 - Introduction to Sociology Units: 3

SOC 480 - Special Topics Units: 1-4 (with topic: Aging Inequality and Public Policy)

### Program Learning Outcomes

Students completing this program will have demonstrated the ability to:

- identify and explain the concepts of kinesiology
- analyze, synthesize, and evaluate relevant information from scientific literature to inform professional practice
- demonstrate effective written and oral communication for the discipline of kinesiology
- apply knowledge and skills from kinesiology to promote health and physical activity, and optimize performance among diverse populations.

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## Liberal Studies, B.A.

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The Liberal Studies, B.A. has a core set of courses that focus on 21st century teaching approaches and emphasize the traditional disciplines taught in elementary schools. All students start out in one of the non-integrated concentrations and may be admitted to the integrated credential concentration in their junior or senior year if they meet all admission requirements. The Integrated Teacher Education Program (ITEP) is a combined 4-year bachelor's degree and credential program for students pursuing a teaching credential. It allows students to receive their bachelor's degree in Liberal Studies, as well as their preliminary credential. Because the Liberal Studies teacher preparation emphasizes prepare students for a state licensed credential, requirements may be changed by state mandate at any time. The Liberal Studies concentrations meet the California Subject Matter Requirement for a multiple subject teaching credential.

- The Child Development/ Elementary Education Concentration (120 total units) is designed for students who wish to become elementary school teachers in grades K-6. Students take courses in traditional disciplines taught in elementary schools alongside courses focusing on developmental characteristics of children.
- Child Development/ Elementary Education (ITEP) Concentration (134 total units) allows undergraduate students to earn a bachelor's degree, and to be recommended for a preliminary Special Education (i.e. Education Specialist) credential in four years.
- The Elementary Education Concentration (120 total units) prepares students to work in a variety of careers within the field of education or enter a post-baccalaureate credential program. Student interest and career goals are central to selection of their individually designed depth of study coursework.
- The Elementary Education (ITEP) Concentration (125 total units) allows undergraduate students to earn a bachelor's degree, and to be recommended for a preliminary Multiple Subject Credential in four years.

- PSCI 110 - American Government Units: 3
- TA 105 - Acting 1: Principles of Performance Units: 3
- ART 307 - Arts Integration in the Elementary Classroom Units: 3
- CD 310 - Perspectives: History and Theory Units: 3
- DANC 354 - Teaching of Dance Units: 2
- LSEE 308 - Algebra, Geometry, and Data in the Elementary Classroom Units: 3
- LSEE 313 - Science for Elementary Education Units: 3
- LSEE 317 - Number Sense and Operations in Elementary School Math Units: 3
- LSEE 475 - Health and Physical Education Units: 3

## Concentrations

Complete one of the following concentrations.

### Child Development / Elementary Education Concentration (57 Units)

This concentration is designed for students who wish to earn a bachelor's degree only or who have not met the Integrated Teacher Education Program (ITEP) credential admission requirements.

#### Lower Division

- CD 211 - Perspectives: Professional Development Units: 3
- CD 257 - Supervised Work with Children I Units: 4

#### Upper Division

- CD 350 - Perspectives: Life-Span Development Units: 3
- CD 354 - Methods of Observation Units: 3
- CD 355 - Language Development Units: 3
- CD 356 - Curriculum Development for Early Childhood Units: 3
- CD 357 - Early Literacy Units: 3
- CD 358 - Supervised Work with Children II Units: 4
- CD 366 - Exceptional Children and Their Families Units: 3
- CD 446 - Structure and Content of Children's Thinking Units: 3
- CD 469 - Contemporary Issues in Child Development Units: 3
- CD 479 - Policy Analysis and Advocacy Units: 3
- CD 482 - Directed Field Experience/Internship Units: 1-4 (3 units required)
- HIST 200 - World Cultures and History: Prehistory to 1500 CE Units: 3
- LSEE 314 - Science for Elementary Education Field Practicum Units: 1
- LSEE 318 - Number Sense and Operations in Elementary School Math Practicum Units: 1
- LSEE 319 - Algebra, Geometry and Data in the Elementary Classroom Practicum Units: 1

#### Depth of Study

Complete 10 units of approved elective courses.

Students should choose their electives to complement their program and support whatever "Depth of Study" (as defined by the California Commission on Teacher Credentialing) they are developing within their

## Requirements for the Bachelor's Degree

A bachelor's degree requires a total of 120 units. Students must fulfill General Education & All-University Requirements, residency, unit, and GPA requirements as outlined in the Bachelor's Degree Requirements.

## Requirements for the Major

The Liberal Studies core includes courses which are approved to satisfy all General Education (with upper division GE area D met by major), American Institutions, and Diversity and Common Grounds. Students must pass all courses for the major with a letter grade of C- or better. An overall GPA of 2.67 or above is required for admission to either of the ITEP concentrations.

### Liberal Studies Core (63 Units)

- BIOL 104 - General Biology Units: 3
- CD 209 - Middle Childhood Development Units: 3
- COMM 100 - Fundamentals of Speech Communication Units: 3
- COMM 103 - Critical Listening and Thinking Units: 3
- ENGL 104 - Accelerated Composition and Rhetoric Units: 3
- ENGL 105 - Literature, Media and Culture Units: 3
- ES 105 - Introduction to US Ethnic Studies Units: 3  
**OR**
- ES 106 - Introduction to Black Studies Units: 3  
**OR**
- ES 107 - Chican@/Latinx Lives Units: 3
- GEOL 109 - General Geology Units: 4
- HIST 104 - Western Civilization to 1650 Units: 3
- HIST 110 - United States History to 1877 Units: 3
- MATH 103 - Mathematics as a Liberal Art Units: 3  
**OR**
- MATH 103I - Mathematics as a Liberal Art with Integrated Support Units: 3 and
- MATH 3 - Support for Mathematics as a Liberal Art Units: 1
- MUS 204 - Music in the K-8 Classroom Units: 3

program. Examples of Depth of Study may include American Indian Education, American Sign Language and Special Populations, Family Studies, etc. Continued advising by department faculty is required every semester to help students make sure they are getting the correct coursework and experiences to support their professional development.

## Child Development / Elementary Education ITEP Concentration

The Child Development/Elementary Education ITEP concentration allows students to complete a Bachelor of Arts Degree in Liberal Studies and a Preliminary Special Education Credential in four years. This unique program is a collaboration between the Department of Child Development and the Special Education Credential program in the School of Education. The total program is 134 units, 14 more than the bachelor's degree only concentration, but it is specifically designed to be completed in four years.

All students enter the program as Child Development/Elementary Education majors. Students begin working directly with children in their sophomore year and continue with progressively more responsibility for instructional practices throughout the program.

### Program Admission Requirements

Admission into the Child Development/Elementary Education Special Education ITEP Concentration requires:

- An overall GPA of 2.67 or above in all baccalaureate course work.
- Junior status (earned 60 semester units)
- Satisfactory completion of all program core courses with a C- or better
- Pass with a C- or better U.S. Constitutions course (PSCI 110, PSCI 159, or PSCI 410) or the U.S. Constitutions Test administered by the County Office of Education.
- Current CPR certification from the American Heart Association Course B or C, American Red Cross Community CPR, or equivalent training in adult, child and infant CPR.
- A Certificate of Clearance from the California Commission on Teacher Credentialing
- Satisfaction of Basic Skills Requirement (details are available on the School of Education website)
- Demonstration of Subject Matter Competency (re: CSET Multiple Subjects)
- Complete ITP Admission Process: ITEP Program Application and Interview

Program admission requirements are subject to change based on the latest CTC and/or CSU credential requirements. Please consult the department for the latest information.

### Additional Credential Requirements

The following are not program admission requirements, but are credential related requirements. Students will need to:

- Pay professional liability insurance fee, required by the CSU and local school districts prior to student teaching (\$20)
- Pass the Reading Instruction Competence Assessment (RICA)
- Pass the Teacher Performance Assessment (edTPA)

### Concentration Courses (37 Units)

- CD 211 - Perspectives: Professional Development Units: 3
- CD 257 - Supervised Work with Children I Units: 4
- CD 354 - Methods of Observation Units: 3
- CD 355 - Language Development Units: 3

- CD 356 - Curriculum Development for Early Childhood Units: 3
- CD 357 - Early Literacy Units: 3
- CD 362 - Children and Stress Units: 3  
**OR**
- CD 464 - Atypical Child Development Units: 3
- CD 366 - Exceptional Children and Their Families Units: 3
- CD 467 - Working with Culturally Diverse Families Units: 3
- CD 469 - Contemporary Issues in Child Development Units: 3
- CD 479 - Policy Analysis and Advocacy Units: 3
- HIST 200 - World Cultures and History: Prehistory to 1500 CE Units: 3

### Credential Specific Courses (35 Units)

Students must maintain a minimum GPA of 3.0, with no single course grade below a C-, for all credential professional education coursework. Students whose grades fall below the minimum are encouraged to discuss options with their advisor.

- SPED 702 - Foundations of General and Special Education Units: 3
- SPED 703 - Foundations of Assessment and Program Planning Units: 3
- SPED 706 - Applied Behavior Analysis for Teachers Units: 3
- SPED 707 - Curriculum and Instruction - Reading and Language Arts Units: 3
- SPED 708 - Practicum - Reading and Language Arts Units: 1
- SPED 709 - Curriculum and Instruction - Math Units: 2
- SPED 710 - Practicum: Math Instruction Units: 1
- SPED 711 - Curriculum and Instruction - Science, History and Social Science Units: 2
- SPED 721 - Transition Planning Units: 3
- SPED 722 - Autism Intervention Strategies Units: 2
- SPED 733 - Special Education Policies and Procedures Units: 2
- SPED 738 - Fall Special Education Student Teaching Units: 5-9 (5 units are required)
- SPED 739 - Spring Special Education Student Teaching Units: 5-9 (5 units are required)

### Elementary Education Concentration (57 Units)

This concentration is designed for students who wish to earn a bachelor's degree only or who have not met the Integrated Teacher Education Program (ITEP) credential admission requirements.

#### Lower Division

- LSEE 101 - Foundations of Education Units: 4
- LSEE 211 - Developmental Literacy Units: 4
- LSEE 212 - Language and Literacy Units: 4

#### Upper Division

- CRGS 313 - Community Activism Units: 3  
**OR**

- EDUC 313 - Community Activism Units: 3
- LSEE 314 - Science for Elementary Education Field Practicum Units: 1
- LSEE 315 - Social Studies for Elementary Education Units: 4
- LSEE 316 - Language Arts for Elementary Education Units: 4
- LSEE 318 - Number Sense and Operations in Elementary School Math Practicum Units: 1
- LSEE 319 - Algebra, Geometry and Data in the Elementary Classroom Practicum Units: 1
- LSEE 333 - English Language and Bilingual Development Units: 4
- LSEE 377 - Education of Exceptional Individuals Units: 4
- LSEE 421 - Critical Multicultural Education Units: 4
- LSEE 443 - Action Research I Units: 4
- LSEE 453 - Senior Seminar I Units: 3

- Pay professional liability insurance fee, required by the CSU and local school districts prior to student teaching (\$20)
- Pass the Reading Instruction Competence Assessment (RICA)
- Pass the Teacher Performance Assessment (edTPA)

## Concentration Courses (62 Units)

### Concentration Major Courses (35 Units)

- LSEE 101 - Foundations of Education Units: 4
- LSEE 211 - Developmental Literacy Units: 4
- LSEE 212 - Language and Literacy Units: 4
- LSEE 314 - Science for Elementary Education Field Practicum Units: 1
- LSEE 315 - Social Studies for Elementary Education Units: 4
- LSEE 316 - Language Arts for Elementary Education Units: 4
- LSEE 318 - Number Sense and Operations in Elementary School Math Practicum Units: 1
- LSEE 319 - Algebra, Geometry and Data in the Elementary Classroom Practicum Units: 1
- LSEE 333 - English Language and Bilingual Development Units: 4
- LSEE 377 - Education of Exceptional Individuals Units: 4
- LSEE 421 - Critical Multicultural Education Units: 4

## Depth of Study

Complete 12 units in one of the following areas: child development, creative dramatics, English as a second language, music, physical education, social justice, history/ social science, mathematics, psychology, Spanish, studio art or science.

## Elementary Education ITEP Concentration

The Elementary Education (ITEP) concentration allows students to complete a Bachelor of Arts Degree Liberal Studies and a Preliminary Elementary Education Multiple Subjects Teaching Credential in four years.

## Program Admission Requirements

Admission into the Elementary Education ITEP Concentration requires:

- An overall GPA of 2.67 or above in all baccalaureate coursework
- Junior status (earned 60 semester units)
- Satisfactory completion of all program core courses with a C- or better
- Pass with a C- or better U.S. Constitutions course (PSCI 110, PSCI 159, or PSCI 410) or the U.S. Constitutions Test administered by the County Office of Education.
- Current CPR certification from the American Heart Association Course B or C, American Red Cross Community CPR, or equivalent training in adult, child and infant CPR.
- A Certificate of Clearance from the California Commission on Teacher Credentialing
- Satisfaction of Basic Skills Requirement (details are available on the School of Education website)
- Demonstration of Subject Matter Competency (re: CSET Multiple Subjects)
- Complete ITP Admission Process: ITEP Program Application and Interview

Program admission requirements are subject to change based on the latest CTC and/or CSU credential requirements. Please consult the department for the latest information.

## Additional Credential Requirements

The following are not program admission requirements, but are credential related requirements. Students will need to:

## Credential Specific Courses (27 units)

Students must maintain a minimum GPA of 3.0, with no single course grade below a C-, for all credential professional education coursework. Students whose grades fall below the minimum are encouraged to discuss options with their advisor.

- LSEE 713 - Integrated Elementary Science and Math I Units: 3
- LSEE 714 - Integrated Elementary Science and Math II Units: 2
- LSEE 715 - Integrated Art, Language Arts and Social Studies I Units: 3
- LSEE 716 - Integrated Art, Language Arts, and Social Studies II Units: 2
- LSEE 723 - School, Student and Social Development Units: 3
- LSEE 753 - Senior/Credential Capstone I Units: 2
- LSEE 754 - Senior/Credential Capstone II Units: 3
- LSEE 755 - Clinical Practicum I Units: 3
- LSEE 756 - Clinical Practicum II Units: 6

## Program Learning Outcomes

Students completing this program will have:

- demonstrated an ability to work effectively with diverse students, parents, colleagues, staff, and others in the community;
- developed and maintain safe, positive, and productive educational environments;
- used research-based practice to inform their work;
- demonstrated a coherent theoretical framework of learning and human development that supports reflection on their practice;

- collaborated on efforts to improve education opportunities for all students

## Programs Leading to Licensure and Credentialing

Admission into programs leading to licensure and credentialing does not guarantee that students will obtain a license or credential. Licensure and credentialing requirements are set by agencies that are not controlled by or affiliated with the CSU and requirements can change at any time. For example, licensure or credentialing requirements can include evidence of the right to work in the United States (e.g., social security number or taxpayer identification number) or successfully passing a criminal background check. Students are responsible for determining whether they can meet licensure or credentialing requirements. The CSU will not refund tuition, fees or any associated costs to students who determine subsequent to admission that they cannot meet licensure or credentialing requirements. Information concerning licensure and credentialing requirements are available from the Office of Academic Affairs, Siemens Hall 216, 707-826-3722.

The California State University has not determined whether its programs meet other states' educational or professional requirements for licensure and certification. Students enrolled in a California State University program who are planning to pursue licensure or certification in other states are responsible for determining whether they will meet their state's requirements for licensure or certification. This disclosure is made pursuant to 34 CFR §668.43(a)(5)(v)(C).

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## Mathematics, B.A.

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Mathematics students at Cal Poly Humboldt find an active and supportive atmosphere that provides preparation for mathematics-related careers and mentorship for graduate studies. The department offers a variety of scholarships, need-based and merit-based, for mathematics majors at every level and including transfer students. Students have access to several campus computer labs including one dedicated to mathematical applications. There are many activities outside the classroom including: a weekly Mathematics Colloquium series; the endowed Kieval Mathematics Lecture every semester; a variety of competitions, from our local Integration Bee to the International Mathematical Contest in Modeling; and a very active Mathematics Club. Mathematics is challenging, rewarding, and fun.

Mathematics majors may enter the workforce in a wide variety of positions. Potential careers include: mathematics consultant, statistician, computer programmer, actuary, mathematician, analyst (systems analyst, statistics methods analyst, financial investment analyst, economic analyst...), teacher, demographer.

Courses in calculus, linear algebra, differential equations, computer programming, analysis and statistics comprise the program's core. Cal Poly Humboldt offers several computer laboratories with a variety of computers, including mainframe, mini, and microcomputers.

An active Math Club meets weekly and sponsors various activities and talks. A special scholarship fund for outstanding mathematics students was established by professor emeritus Harry S. Kieval. Several other scholarship opportunities are available to Mathematics majors.

### Preparation

Students who are interested in a major in mathematics are encouraged take mathematics courses every year in high school, to include thorough preparation in trigonometry and advanced algebra. Courses in creative writing, art, music, and computer programming are also helpful.

The major requirements listed below assume that an incoming student is ready to take calculus. Calculus readiness may be demonstrated by successful completion of MATH 102 or equivalent coursework, or by achieving an appropriate score on a department administered calculus readiness placement test. Students in need of a placement test should contact the mathematics department."

## Requirements for the Bachelor's Degree

A bachelor's degree requires a total of 120 units. Students must fulfill General Education & All-University Requirements, residency, unit, and GPA requirements as outlined in the Bachelor's Degree Requirements.

## Requirements for the Major (60 Units)

### Lower Division Courses (27 Units)

- CS 111 - Computer Science Foundations 1 Units: 4 (or an approved course in computer programming)
- MATH 107 - Introduction to Linear Algebra Units: 3
- MATH 109 - Calculus I Units: 4
- MATH 110 - Calculus II Units: 4
- MATH 210 - Calculus III Units: 4
- MATH 245 - Mathematical Experimentation and Proof Units: 4
- STAT 109 - Introductory Biostatistics Units: 4

### Upper Division Courses (33 Units)

- MATH 313 - Ordinary Differential Equations Units: 4
- MATH 315 - Advanced Calculus Units: 3  
**OR**
- MATH 480 - Selected Topics in Mathematics Units: 1-4 (3 units required)
- MATH 344 - Linear Algebra Units: 4
- MATH 371 - Geometry Units: 3
- MATH 415 - Real Analysis Units: 4
- MATH 442 - Abstract Algebra Units: 4
- MATH 460 - Mathematical Modeling Units: 4
- STAT 323 - Probability Theory and Mathematical Statistics Units: 4

### Capstone Course

- MATH 445 - Mathematics Capstone Units: 3

### Program Learning Outcomes

It is expected that each graduate of this program will be able to:

- reason mathematically and statistically
- solve complex problems using mathematics and statistics
- communicate mathematical and statistical ideas
- evaluate mathematical and statistical work

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## Music, B.A.

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Throughout the history of humanity, music has been one of the most universal, essential, and enduring of human endeavors. Through the study of the art of music, individuals can be empowered to deeply explore, understand, and give form to their own intellectual, emotional, and creative energies and impulses. The study of music is therefore both an appropriate and an indispensable component of the educational development of university students, serving the mission of Cal Poly Humboldt in unique and powerful ways.

The Music Program accepts and strives to fulfill this charge: that each person participating in the study of music in this program will be able to perceive music in an enlightened, discerning way, respond to the expressive qualities of music with sensitivity and appreciation, and share those perceptions and responses with others through the vocabulary and activities intrinsic to music.



The department is committed to providing quality education directed to individual student needs. Students receive studio instruction in voice, piano, or instruments from highly qualified faculty who are active performers. Quality performance organizations (wind ensemble, symphony, chamber music ensembles, opera workshop, jazz band, vocal jazz ensemble, combos, percussion ensemble, and calypso band) allow study of the finest musical literature. The department is accredited by the National Association of Schools of Music (NASM) 11250 Roger Bacon Dr., Suite 21, Reston, VI, 20190-5248, 703- 437-0700.

The music complex features a 227-seat recital hall, a smart classroom, many practice rooms, computer labs, a tech shop, recording equipment, plus a large inventory of brass, woodwind, and string instruments. Our music library contains one of the most comprehensive collections of chamber music on the West Coast.

Music majors must participate in a performance ensemble each semester. Students who receive a scholarship from the music department must participate in at least two ensembles during each semester in which they receive the award, with one ensemble being assigned by the department. Most large ensembles require an audition, usually signified by IA (Instructor Approval) in the course description. Specific audition requirements are available from the ensemble's conductor/director.

All those taking studio lessons (majors, minors, nonmajors) will take a jury examination each semester. The complete policy is available from the department.

The music major consists of a 43-unit core (providing foundation courses in music theory, music history, and music performance) and four separate major concentrations. All entering majors begin in the music studies concentration, emphasizing a liberal arts orientation with a broad view. It involves guided electives, requiring 11 additional units beyond the core, yielding a total of 54 units for the music studies major.

## Requirements for the Bachelor's Degree

A bachelor's degree requires a total of 120 units. Students must fulfill General Education & All-University Requirements, residency, unit, and GPA requirements as outlined in the Bachelor's Degree Requirements.

## Requirements for the Major (54-74 Units)

### Core Courses (43 Units)

The following core courses are required for all majors.

- MUS 104 - Introduction to Music Units: 3
- MUS 110 - Fundamentals of Music Units: 3
- MUS 112 - Piano I Units: 1
- MUS 113 - Piano II Units: 1
- MUS 130 - Piano III Units: 1
- MUS 214 - Theory I Units: 3
- MUS 215 - Theory II Units: 3
- MUS 216 - Ear Training I Units: 1
- MUS 217 - Ear Training II Units: 1
- MUS 302 - Music in World Culture Units: 3
- MUS 314 - Theory III Units: 3
- MUS 315 - Theory IV Units: 3
- MUS 316 - Ear Training III Units: 1
- MUS 317 - Ear Training IV Units: 1
- MUS 330 - Piano IV Units: 1
- MUS 348 - Music History: Antiquity to 1750 Units: 3
- MUS 349 - Music History: 1750 to Present Units: 3

### Ensembles

Complete four semesters [4 units required]

- MUS 106B - University Singers Units: 1

- MUS 106E - Opera Workshop Units: 1
- MUS 106F - Mad River Transit Singers Units: 1
- MUS 106H - Wind Ensemble Units: 1
- MUS 106J - AM Jazz Band Units: 1
- MUS 106K - Jazz Orchestra Units: 1
- MUS 106N - Humboldt Chorale Units: 1
- MUS 106O - Humboldt Symphony Units: 1
- MUS 107B - Brass Chamber Music Units: 1
- MUS 107C - Calypso Band Units: 1
- MUS 107F - Woodwind Chamber Music Units: 1
- MUS 107G - Guitar Chamber Music Units: 1
- MUS 107I - Intermediate Orchestra Units: 1
- MUS 107J - Jazz Combos Units: 1
- MUS 107P - Percussion Ensemble Units: 1
- MUS 107Q - World Percussion Ensemble Units: 1
- MUS 107S - Chamber Music - Service Learning Units: 1
- MUS 107T - String Chamber Music Units: 1
- MUS 107V - Madrigal Singers Units: 1

Complete four semesters [4 units required]

- MUS 406B - University Singers Units: 1
- MUS 406E - Opera Workshop Units: 1
- MUS 406F - Mad River Transit Singers Units: 1
- MUS 406H - Wind Ensemble Units: 1
- MUS 406J - AM Jazz Band Units: 1
- MUS 406K - Jazz Orchestra Units: 1
- MUS 406N - Humboldt Chorale Units: 1
- MUS 406O - Humboldt Symphony Units: 1
- MUS 407B - Brass Chamber Music Units: 1
- MUS 407C - Calypso Band Units: 1
- MUS 407F - Woodwind Chamber Music Units: 1
- MUS 407G - Guitar Chamber Music Units: 1
- MUS 407I - Intermediate Orchestra Units: 1
- MUS 407J - Jazz Combos Units: 1
- MUS 407P - Percussion Ensemble Units: 1
- MUS 407Q - World Percussion Ensemble Units: 1
- MUS 407S - Chamber Music - Service Learning Units: 1
- MUS 407T - String Chamber Music Units: 1
- MUS 407V - Madrigal Singers Units: 1

### Note:

\* See separate list of specific ensemble requirements for each instrument, available from the Music Department.

## Concentrations ( 11-32 Units)

Complete one of the following concentrations to fulfill the requirements of the major.

### Composition Concentration (18-19 Units)

The composition concentration gives a practical background in music composition with an emphasis on the use of music technology. Students must audition to enter this concentration. It requires 18 units beyond the core, yielding a total of 61 units for the major. A senior recital is also required.

- MUS 320 - Composition: Film Scoring Units: 3  
**OR**

- MUS 320B - Composition: Jazz and Pop Arranging Units: 3
- MUS 324 - Contemporary Composition Techniques Units: 2
- MUS 326 - Counterpoint Units: 2
- MUS 338 - Vocal and Instrumental Scoring Units: 3
- MUS 360 - Music Technology Units: 2
- MUS 438 - Studio Composition, Advanced Units: 1 (4 units required. An additional semester of MUS 238 or MUS 324 may be substituted for one of the four semesters of MUS 438 with advisor approval.)
- MUS 440 - Senior Recital Units: 0

## Studio Instrument or Voice Instruction

Complete two semesters for a total of 2 units.

- MUS 220 - Studio Instruction Units: 1
- MUS 221 - Studio Voice Units: 1
- MUS 222 - Studio Flute Units: 1
- MUS 223 - Studio Oboe Units: 1
- MUS 224 - Studio Clarinet Units: 1
- MUS 225 - Studio Bassoon Units: 1
- MUS 226 - Studio Saxophone Units: 1
- MUS 227 - Studio Trumpet Units: 1
- MUS 228 - Studio Horn Units: 1
- MUS 229 - Studio Trombone Units: 1
- MUS 230 - Studio Euphonium Units: 1
- MUS 231 - Studio Tuba Units: 1
- MUS 232 - Studio Percussion Units: 1
- MUS 233 - Studio Violin Units: 1
- MUS 234 - Studio Viola Units: 1
- MUS 235 - Studio Cello Units: 1
- MUS 236 - Studio String Bass Units: 1
- MUS 237 - Studio Guitar Units: 1

## Recommended Elective Courses

- MUS 220 - Studio Instruction Units: 1
- MUS 420 - Studio Piano for Performance and Music Education Units: 1
- MUS 318 - Jazz Improvisation Units: 2
- MUS 320 - Composition: Film Scoring Units: 3 (if not taken above)
- MUS 320B - Composition: Jazz and Pop Arranging Units: 3 (if not taken above)
- MUS 320C - Composition: Electronic Music Units: 3
- MUS 334 - Fundamentals of Conducting Units: 2
- MUS 370F - Woodwind Techniques I Units: 0.5
- MUS 370T - String Techniques I Units: 0.5
- MUS 371F - Woodwind Techniques II Units: 0.5
- MUS 371T - String Techniques II Units: 0.5
- MUS 372B - Brass Techniques I Units: 0.5
- MUS 372P - Percussion Techniques I Units: 0.5
- MUS 373B - Brass Techniques II Units: 0.5
- MUS 373P - Percussion Techniques II Units: 0.5
- MUS 453 - Career Skills for Musicians Units: 2

## Music Education Concentration

The music education concentration prepares students to teach music in elementary, middle, and high schools. The department is vitally concerned with providing quality experiences to prepare future music educators. A broad spectrum of course offerings provides opportunities to learn all aspects of music education. Following graduation with a Bachelor of Arts in music education, students may be eligible to enter a professional preparation program leading to a music teaching credential. Students in the music education concentration receive instruction in all instrumental areas, keyboard, and voice. They may choose from a wide variety of performance organizations - wind ensemble, choir, symphony, madrigals, chamber ensembles, opera workshop, jazz band, chorale, vocal jazz ensemble, and jazz combos. The high quality of these ensembles allows students to perform the finest of musical literature from a wide variety of historical eras and musical styles, while observing a conductor's effective rehearsal techniques that are vital for success as a teacher.

Entrance into the music education concentration involves four steps. Students must:

1. Complete an application, including questionnaire, available from the Music Department office.
2. Audition demonstrating performance skills on the student's primary instrument or voice.
3. Interview before a panel of faculty and local practitioners.
4. have their transcript evaluated by the Coordinator of Music Education. Courses are assigned based on the results of this evaluation regardless of courses completed at other institutions.

## Concentration Courses (31-32 Units)

- MUS 109V - Class Applied Instruction: Voice Units: 1 [Vocal emphasis students must take MUS 356 - Lyric Diction instead]
- MUS 319 - Elementary Music Methods Units: 2
- MUS 323 - Jazz Pedagogy Units: 2
- MUS 334 - Fundamentals of Conducting Units: 2
- MUS 338 - Vocal and Instrumental Scoring Units: 3
- MUS 360 - Music Technology Units: 2
- MUS 370F - Woodwind Techniques I Units: 0.5
- MUS 370T - String Techniques I Units: 0.5
- MUS 371F - Woodwind Techniques II Units: 0.5
- MUS 371T - String Techniques II Units: 0.5
- MUS 372B - Brass Techniques I Units: 0.5
- MUS 372P - Percussion Techniques I Units: 0.5
- MUS 373B - Brass Techniques II Units: 0.5
- MUS 373P - Percussion Techniques II Units: 0.5
- MUS 384 - Advanced Choral Conducting and Literature Units: 2
- MUS 387 - Advanced Instrumental Conducting and Literature Units: 2
- MUS 455 - Secondary Music Methods Units: 3

## Studio Instruction

MUS 220-237 Studio Instruction Units: 1 [4 semesters.]

- MUS 220 - Studio Instruction Units: 1
- MUS 221 - Studio Voice Units: 1
- MUS 222 - Studio Flute Units: 1
- MUS 223 - Studio Oboe Units: 1
- MUS 224 - Studio Clarinet Units: 1
- MUS 225 - Studio Bassoon Units: 1
- MUS 226 - Studio Saxophone Units: 1

- MUS 227 - Studio Trumpet Units: 1
- MUS 228 - Studio Horn Units: 1
- MUS 229 - Studio Trombone Units: 1
- MUS 230 - Studio Euphonium Units: 1
- MUS 231 - Studio Tuba Units: 1
- MUS 232 - Studio Percussion Units: 1
- MUS 233 - Studio Violin Units: 1
- MUS 234 - Studio Viola Units: 1
- MUS 235 - Studio Cello Units: 1
- MUS 236 - Studio String Bass Units: 1
- MUS 237 - Studio Guitar Units: 1

## Studio Instruction for Performance & Music Education

MUS 420-MUS 437 Studio Instruction for Performance & Music Education Units: 1 [4 semesters]

- MUS 420 - Studio Piano for Performance and Music Education Units: 1
- MUS 421 - Studio Voice for Performance and Music Education Units: 1
- MUS 423 - Studio Oboe for Performance and Music Education Units: 1
- MUS 424 - Studio Clarinet for Performance and Music Education Units: 1
- MUS 425 - Studio Bassoon for Performance and Music Education Units: 1
- MUS 426 - Studio Saxophone for Performance and Music Education Units: 1
- MUS 427 - Studio Trumpet for Performance and Music Education Units: 1
- MUS 428 - Studio Horn for Performance and Music Education Units: 1
- MUS 429 - Studio Trombone for Performance and Music Education Units: 1
- MUS 430 - Studio Euphonium for Performance and Music Education Units: 1
- MUS 431 - Studio Tuba for Performance and Music Education Units: 1
- MUS 432 - Studio Percussion for Performance and Music Education Units: 1
- MUS 433 - Studio Violin for Performance and Music Education Units: 1
- MUS 434 - Studio Viola for Performance and Music Education Units: 1
- MUS 435 - Studio Cello for Performance and Music Education Units: 1
- MUS 436 - Studio String Bass for Performance and Music Education Units: 1
- MUS 437 - Studio Guitar for Performance and Music Education Units: 1

Note: Courses listed above satisfy requirements for the music education major, but not for a teaching credential. Students must be admitted to the Cal Poly Humboldt Secondary Education Program in order to begin taking the professional education courses needed to earn a California teaching credential. Completing the requirements of the music education major obviates the need to take the CSET exam for entrance to a credential program at most universities. Before applying to the Secondary Education Program, students must meet the prerequisite of 45 hours of early field experience or enroll in SED 210/SED 410.

## Music Studies Concentration (11 Units)

### Lower Division Applied Instruction

Complete five semesters of group or individual applied instruction for a total of 5 units. MUS 108K and MUS 109K may not be used to fulfill this requirement.)

- MUS 108B - Class Applied Instruction: Brass Units: 1
- MUS 108C - Class Applied Instruction: Afro- Cuban Percussion Units: 1
- MUS 108F - Class Applied Instruction: Woodwinds Units: 1
- MUS 108G - Class Applied Instruction: Acoustic Guitar Units: 1
- MUS 108P - Class Applied Instruction: Percussion Units: 1
- MUS 108T - Class Applied Instruction: Strings Units: 1
- MUS 108V - Class Applied Instruction: Voice Units: 1
- MUS 109G - Class Applied Instruction: Guitar Units: 1
- MUS 109V - Class Applied Instruction: Voice Units: 1
- MUS 220 - Studio Instruction Units: 1
- MUS 221 - Studio Voice Units: 1
- MUS 222 - Studio Flute Units: 1
- MUS 223 - Studio Oboe Units: 1
- MUS 224 - Studio Clarinet Units: 1
- MUS 225 - Studio Bassoon Units: 1
- MUS 226 - Studio Saxophone Units: 1
- MUS 227 - Studio Trumpet Units: 1
- MUS 228 - Studio Horn Units: 1
- MUS 229 - Studio Trombone Units: 1
- MUS 230 - Studio Euphonium Units: 1
- MUS 231 - Studio Tuba Units: 1
- MUS 232 - Studio Percussion Units: 1
- MUS 233 - Studio Violin Units: 1
- MUS 234 - Studio Viola Units: 1
- MUS 235 - Studio Cello Units: 1
- MUS 236 - Studio String Bass Units: 1
- MUS 237 - Studio Guitar Units: 1

### Upper Division Electives

Complete 6 upper division elective units selected from the following:

- MUS 301 - Rock: An American Music Units: 3
- MUS 305 - Jazz: An American Art Form Units: 3
- MUS 318 - Jazz Improvisation Units: 2
- MUS 319 - Elementary Music Methods Units: 2
- MUS 320 - Composition: Film Scoring Units: 3
- MUS 320B - Composition: Jazz and Pop Arranging Units: 3
- MUS 323 - Jazz Pedagogy Units: 2
- MUS 324 - Contemporary Composition Techniques Units: 2
- MUS 326 - Counterpoint Units: 2
- MUS 334 - Fundamentals of Conducting Units: 2
- MUS 338 - Vocal and Instrumental Scoring Units: 3
- MUS 356 - Lyric Diction Units: 2
- MUS 360 - Music Technology Units: 2

- MUS 361 - Music Technology: Recording and Playback Units: 2
- MUS 391 - Piano Pedagogy Units: 1 (MUS 391L is not acceptable for credit)
- MUS 392 - Vocal Pedagogy Units: 1 (MUS 392L is not acceptable for credit)
- MUS 384 - Advanced Choral Conducting and Literature Units: 2
- MUS 387 - Advanced Instrumental Conducting and Literature Units: 2
- MUS 453 - Career Skills for Musicians Units: 2

## Performance Concentration

The performance concentration requires selection of a performing emphasis area (voice, piano, orchestral instrument, guitar) and a successful audition. A senior recital is required in all areas of emphasis. For students in the piano emphasis and guitar emphasis, a junior recital is also required. The vocal and piano emphases consist of 22 units beyond the core, yielding a total of 65 units for the major. The instrumental emphasis and guitar emphasis both consist of 18 units beyond the core, yielding a total of 61 units for the major.

### Required Courses (18-22 Units)

Listed below are the four emphasis areas within the performance concentration.

### Instrumental Emphasis (18 Units)

- MUS 334 - Fundamentals of Conducting Units: 2
- MUS 440 - Senior Recital Units: 0

### Studio Instruction

Complete four semesters of studio instruction for a total of 4 units.

- MUS 222 - Studio Flute Units: 1
- MUS 223 - Studio Oboe Units: 1
- MUS 224 - Studio Clarinet Units: 1
- MUS 225 - Studio Bassoon Units: 1
- MUS 226 - Studio Saxophone Units: 1
- MUS 227 - Studio Trumpet Units: 1
- MUS 228 - Studio Horn Units: 1
- MUS 229 - Studio Trombone Units: 1
- MUS 230 - Studio Euphonium Units: 1
- MUS 231 - Studio Tuba Units: 1
- MUS 232 - Studio Percussion Units: 1
- MUS 233 - Studio Violin Units: 1
- MUS 234 - Studio Viola Units: 1
- MUS 235 - Studio Cello Units: 1
- MUS 236 - Studio String Bass Units: 1

### Performance Ensemble

Complete four semesters of performance ensembles for a total of 4 units. See separate list of specific ensemble requirements for each instrument, available from the Department of Music

- MUS 406B - University Singers Units: 1
- MUS 406E - Opera Workshop Units: 1
- MUS 406F - Mad River Transit Singers Units: 1
- MUS 406H - Wind Ensemble Units: 1
- MUS 406J - AM Jazz Band Units: 1

- MUS 406K - Jazz Orchestra Units: 1
- MUS 406N - Humboldt Chorale Units: 1
- MUS 406O - Humboldt Symphony Units: 1
- MUS 407B - Brass Chamber Music Units: 1
- MUS 407C - Calypso Band Units: 1
- MUS 407F - Woodwind Chamber Music Units: 1
- MUS 407G - Guitar Chamber Music Units: 1
- MUS 407I - Intermediate Orchestra Units: 1
- MUS 407J - Jazz Combos Units: 1
- MUS 407P - Percussion Ensemble Units: 1
- MUS 407Q - World Percussion Ensemble Units: 1
- MUS 407S - Chamber Music - Service Learning Units: 1
- MUS 407T - String Chamber Music Units: 1
- MUS 407V - Madrigal Singers Units: 1

## Studio Instruction for Performance and Music Education

Complete four semesters for a total of 4 units.

- MUS 423 - Studio Oboe for Performance and Music Education Units: 1
- MUS 424 - Studio Clarinet for Performance and Music Education Units: 1
- MUS 425 - Studio Bassoon for Performance and Music Education Units: 1
- MUS 426 - Studio Saxophone for Performance and Music Education Units: 1
- MUS 427 - Studio Trumpet for Performance and Music Education Units: 1
- MUS 428 - Studio Horn for Performance and Music Education Units: 1
- MUS 429 - Studio Trombone for Performance and Music Education Units: 1
- MUS 430 - Studio Euphonium for Performance and Music Education Units: 1
- MUS 431 - Studio Tuba for Performance and Music Education Units: 1
- MUS 432 - Studio Percussion for Performance and Music Education Units: 1
- MUS 433 - Studio Violin for Performance and Music Education Units: 1
- MUS 434 - Studio Viola for Performance and Music Education Units: 1
- MUS 435 - Studio Cello for Performance and Music Education Units: 1
- MUS 436 - Studio String Bass for Performance and Music Education Units: 1

## Upper Division Electives

Complete 4 units selected from the following list.

- MUS 305 - Jazz: An American Art Form Units: 3
- MUS 318 - Jazz Improvisation Units: 2
- MUS 319 - Elementary Music Methods Units: 2
- MUS 320 - Composition: Film Scoring Units: 3
- MUS 320B - Composition: Jazz and Pop Arranging Units: 3
- MUS 323 - Jazz Pedagogy Units: 2

- MUS 324 - Contemporary Composition Techniques Units: 2
- MUS 326 - Counterpoint Units: 2
- MUS 334 - Fundamentals of Conducting Units: 2
- MUS 338 - Vocal and Instrumental Scoring Units: 3
- MUS 360 - Music Technology Units: 2
- MUS 361 - Music Technology: Recording and Playback Units: 2
- MUS 384 - Advanced Choral Conducting and Literature Units: 2
- MUS 387 - Advanced Instrumental Conducting and Literature Units: 2
- MUS 453 - Career Skills for Musicians Units: 2

- MUS 324 - Contemporary Composition Techniques Units: 2
- MUS 326 - Counterpoint Units: 2
- MUS 334 - Fundamentals of Conducting Units: 2
- MUS 338 - Vocal and Instrumental Scoring Units: 3
- MUS 360 - Music Technology Units: 2
- MUS 361 - Music Technology: Recording and Playback Units: 2
- MUS 384 - Advanced Choral Conducting and Literature Units: 2
- MUS 387 - Advanced Instrumental Conducting and Literature Units: 2
- MUS 453 - Career Skills for Musicians Units: 2

### Guitar Emphasis (18 Units)

- MUS 237 - Studio Guitar Units: 1
- MUS 334 - Fundamentals of Conducting Units: 2
- MUS 340 - Junior Recital Units: 0
- MUS 437 - Studio Guitar for Performance and Music Education Units: 1
- MUS 440 - Senior Recital Units: 0

### Piano Emphasis (18 Units)

- MUS 220 - Studio Instruction Units: 1 [4 semesters.]
- MUS 334 - Fundamentals of Conducting Units: 2
- MUS 340 - Junior Recital Units: 0
- MUS 353 - Accompanying Units: 1 [4 semesters.]
- MUS 385P - P / V Performance Seminar Units: 1 [2 semesters.]
- MUS 391 - Piano Pedagogy Units: 1
- MUS 391L - Piano Pedagogy Lab Units: 1
- MUS 420 - Studio Piano for Performance and Music Education Units: 1 [4 semesters.]
- MUS 440 - Senior Recital Units: 0

### Performance Ensembles

Complete four semesters for a total of 4 units. See separate list of specific ensemble requirements for each instrument, available from the Department of Music

- MUS 406B - University Singers Units: 1
- MUS 406E - Opera Workshop Units: 1
- MUS 406F - Mad River Transit Singers Units: 1
- MUS 406H - Wind Ensemble Units: 1
- MUS 406J - AM Jazz Band Units: 1
- MUS 406K - Jazz Orchestra Units: 1
- MUS 406N - Humboldt Chorale Units: 1
- MUS 406O - Humboldt Symphony Units: 1
- MUS 407B - Brass Chamber Music Units: 1
- MUS 407C - Calypso Band Units: 1
- MUS 407F - Woodwind Chamber Music Units: 1
- MUS 407G - Guitar Chamber Music Units: 1
- MUS 407I - Intermediate Orchestra Units: 1
- MUS 407J - Jazz Combos Units: 1
- MUS 407P - Percussion Ensemble Units: 1
- MUS 407Q - World Percussion Ensemble Units: 1
- MUS 407S - Chamber Music - Service Learning Units: 1
- MUS 407T - String Chamber Music Units: 1
- MUS 407V - Madrigal Singers Units: 1

### Vocal Emphasis (22 Units)

- MUS 221 - Studio Voice Units: 1 [4 semesters.]
- MUS 334 - Fundamentals of Conducting Units: 2
- MUS 356 - Lyric Diction Units: 2
- MUS 385P - P / V Performance Seminar Units: 1 [4 semesters.]
- MUS 392 - Vocal Pedagogy Units: 1
- MUS 392L - Vocal Pedagogy Lab Units: 1
- MUS 421 - Studio Voice for Performance and Music Education Units: 1 [4 semesters.]
- MUS 440 - Senior Recital Units: 0

### Performance Ensemble

Complete four semesters for a total of 4 units. See separate list of specific ensemble requirements for each instrument, available from the Department of Music.

- MUS 406B - University Singers Units: 1
- MUS 406E - Opera Workshop Units: 1
- MUS 406F - Mad River Transit Singers Units: 1
- MUS 406H - Wind Ensemble Units: 1
- MUS 406J - AM Jazz Band Units: 1
- MUS 406K - Jazz Orchestra Units: 1
- MUS 406N - Humboldt Chorale Units: 1
- MUS 406O - Humboldt Symphony Units: 1
- MUS 407B - Brass Chamber Music Units: 1
- MUS 407C - Calypso Band Units: 1
- MUS 407F - Woodwind Chamber Music Units: 1
- MUS 407G - Guitar Chamber Music Units: 1
- MUS 407I - Intermediate Orchestra Units: 1
- MUS 407J - Jazz Combos Units: 1
- MUS 407P - Percussion Ensemble Units: 1

### Upper Division Electives

Complete 4 units selected from the following list.

- MUS 305 - Jazz: An American Art Form Units: 3
- MUS 318 - Jazz Improvisation Units: 2
- MUS 319 - Elementary Music Methods Units: 2
- MUS 320 - Composition: Film Scoring Units: 3
- MUS 320B - Composition: Jazz and Pop Arranging Units: 3
- MUS 323 - Jazz Pedagogy Units: 2

- MUS 407Q - World Percussion Ensemble Units: 1
- MUS 407S - Chamber Music - Service Learning Units: 1
- MUS 407T - String Chamber Music Units: 1
- MUS 407V - Madrigal Singers Units: 1

## Program Learning Outcomes

1. Students will demonstrate the ability to hear, identify, read, write, and work conceptually with the elements of music - rhythm, melody, harmony, and structure.
2. Students will demonstrate understanding of a wide selection of musical literature representing principal eras, genres, and cultural sources.
3. Students will demonstrate ability to perform a wide variety of musical styles in areas appropriate to the student's needs, interests, and degree path.
4. Students will demonstrate the ability to write clearly and effectively about music, using appropriate discipline-specific vocabulary.

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## Native American Studies, B.A.

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The Department of Native American Studies is an independent academic department, where students are prepared for careers and advanced study in which collaboration with native communities plays a vital role. Students are provided with quality instruction utilizing interdisciplinary, research and public service curriculum that foregrounds Native American epistemologies and knowledges. Our students gain skills in and are challenged to think creatively, logically, and critically with regard to literature, art, history, law, environment and politics. This prepares them to go out into the world with a knowledge of Native American issues that will make them assets to the communities in which they work and live.

Native American Studies maintains the core position that cultural, spiritual and educational growth are inseparable. With that in mind, we are committed to guiding students toward becoming productive and socially responsible individuals. To achieve this the program curriculum fosters diversity, social justice and cultural democracy with a commitment to scholarly rigor, theoretical clarity, and critical/creative pedagogy, all while recognizing our responsibility to indigenous communities.

Unique among the CSU campuses in its close proximity to 11 federally recognized tribes and the largest population of Native Americans in the state of California, Cal Poly Humboldt provides a rich environment for studying federal Indian law, tribal government and justice systems, natural resource management, linguistics and culture. Faculty in the Department of Native American Studies are experts in the areas of arts, humanities, linguistics, social sciences, natural resources and federal Indian law.

The major in Native American Studies, particularly when combined with a minor in a specific field, is good preparation for graduate work in several social sciences, as well as for professional training in law, business, or social work. It also provides an excellent background for prospective teachers.

Other career opportunities: student services counselor, mental health worker, cultural resources specialist, tribal museum curator, Indian language teacher, and tribal administrator.

We recommend that students take writing, literature and social science courses (history, psychology, sociology) in high school to prepare for this major.

Community college students should take introductory courses in Native American Studies and courses that meet lower division general education requirements.

## Requirements for the Bachelor's Degree

A bachelor's degree requires a total of 120 units. Students must fulfill General Education & All-University Requirements, residency, unit, and GPA requirements as outlined in the Bachelor's Degree Requirements.

## Requirements for the Major (37-38 Units)

### Core Courses (31 Units)

#### Lower Division

- NAS 104 - Introduction to Native American Studies Units: 3
- NAS 200 - Indigenous Peoples in U.S. History Units: 3

#### Upper Division

- NAS 301 - Native American Literature Units: 3
- NAS 306 - Indigenous Peoples of the Americas Units: 3
- NAS 304 - Native Tribes of California Units: 3
- NAS 331 - Indigenous Natural Resource Management Practices Units: 3
- NAS 340 - Language and Communication in Native American Communities Units: 3
- NAS 362 - Tribal Governance and Leadership Units: 3
- NAS 364 - Federal Indian Law I Units: 4
- NAS 492 - Native American Studies Capstone Experience Units: 3

### Electives/Optional Emphasis (6-7 Units)

After taking the required core courses, all students will select an additional 6 to 7 units of coursework. Students may pursue a "General" NAS degree and choose courses from any of the 4 elective areas, or choose an emphasis in which to specialize (Law & Government, Environment & Natural Resources, Language & Literature, Society & Culture). If a student chooses an optional emphasis, the student must take two courses in that area.

A student may choose an optional emphasis from the following electives by taking two of the courses listed under a category below.

#### Law & Government

- NAS 365 - Federal Indian Law II Units: 4
- NAS 468 - Tribal Justice Systems Units: 3

#### Environment & Natural Resources

- NAS 332 - Environmental Justice Units: 3
- NAS 366 - Tribal Water Rights Units: 4

#### Language & Literature

- NAS 302 - Oral Literature and Oral Tradition Units: 3
- NAS 345 - Native Languages of North America Units: 3

#### Society & Culture

- NAS 307 - Nature and Issues of Genocide Units: 3
- NAS 303 - Native American Psychology Units: 3

### Supplement/Substitute in Major If Offered

Upper division elective courses are recommended for those who would like to pursue interests in subjects or to engage in more in-depth study of an area not required as part of the NAS curriculum. Before enrolling in these elective courses, students will consult with their major advisor. These courses will be offered on an infrequent schedule.

- NAS 312 - Grant Writing for Social and Environmental Justice Units: 4
- NAS 333 - Food Sovereignty Lab Units: 1
- NAS 361 - Tribal Sovereignty, Tribal Citizens Units: 3

- NAS 480 - Selected Topics in Native American Studies  
Units: 1-4

## Program Learning Outcomes

Students graduating with a major in Native American Studies will have demonstrated:

- Mastery of the ability to engage in critical dialogue utilizing various aspects of Native American Studies through oral presentations that convey diverse and complex viewpoints.
- Mastery of the ability to write clearly and effectively about the histories, politics, and social issues confronting Indigenous people in the context of colonization, imperialism, globalization, decolonization, and Indigenous autonomy.
- Mastery of the ability to research issues affecting life in Indian Country by determining the extent of information needed, accessing the various sources, and using the information effectively, and do so in a manner that is culturally responsible, ethical and legal.
- Mastery of the ability to identify and navigate the system of state, federal and tribal agencies and policies to further the objectives of tribal governments and tribal sovereignty.
- Mastery of the ability to identify, analyze and respond to environmental issues affecting Indigenous communities by identifying responsible policies that are free from discrimination, and take into account the diverse Indigenous cultural perspectives of natural resource management.
- Mastery of the ability to think in a clear, reasoned and reflective manner that is informed by evidence about the unique federal- tribal relationship, Indigenous ways of governing and the principles of Native American justice.
- Ability to present themselves professionally and appropriately in an academic or career setting.

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## Nursing (RN to BSN), B.S.N.

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The nursing (RN to BSN) program is designed for students who have earned an associate degree in nursing (see admission requirements below) and want to advance their skills in leadership, care management and health promotion. The program's curriculum is designed specifically for the local area, focusing on physical and psychosocial health needs and disparities within the region's rural and tribal communities. The program accommodates working nurses with a flexible blend of online and in-person courses. Students will be required to meet on campus for a pre-semester orientation, plus two weekend intensives each semester. The remainder of the program will be online.

### Program Admission Requirements

To be eligible for admission to the program, candidates must:

- be a graduate of a nationally recognized, regionally accredited associate degree program in nursing
- have a current, clear, and active California Registered Nursing (RN) license
- have a minimum cumulative GPA of 2.75 from all transfer institutions
- have completed the following eight CSU systemwide nursing program prerequisites (CSU GE Breadth Areas A and B) with a grade of C or better. Note: Courses in parentheses are examples of Cal Poly Humboldt courses that meet this prerequisite.
  - Oral communication (COMM 100)
  - Written communication (ENGL 104)
  - Critical Thinking

- Chemistry: general, inorganic, organic or integrated\* (CHEM 107, CHEM 109, CHEM 128)
- Human anatomy with lab ( ZOO 270)
- Human physiology with lab (ZOO 113)
- Microbiology with lab (BIOL 210)
- Statistics (STAT 108)

\* with associated lab, if required at the institution where the course was taken.

Students are required to maintain current California Registered Nurse licensure while enrolled in nursing courses. It is the student's responsibility to notify the program director immediately, in writing, of any changes in licensure status.

### Requirements for the Bachelor's Degree

The Upper Division Area B General Education requirement is met by the coursework within the nursing major. The department suggests that students select Upper Division GE area C and area D courses that also meet Diversity and Common Ground (DCG) requirements.

A bachelor's degree requires a total of 120 units. Students must fulfill General Education & All-University Requirements, residency, unit, and GPA requirements as outlined in the General Education & All-University Requirements.

Students who already hold a bachelor's degree and are pursuing an additional bachelor's degree in nursing should review the requirements for a Second Bachelor's Degree in the catalog.

### Requirements for the Major (44 Units)

Students may be awarded up to 10 lower division units and 7 upper division units using the standardized external National Council Licensure Examination NCLEX-RN to demonstrate prior learning of the pre-licensure art and science of nursing required by the Board of Registered Nursing.

A minimum grade of C must be earned in all major courses.

### Required Courses (27 Units)

- HED 451 - Nutrition and Chronic Disease Units: 3
- NRS 348 - Development for Professional Practice Units: 3
- NRS 350 - Pathophysiology for Nursing Practice Units: 3
- NRS 372 - Health Assessment and Promotion Across the Lifespan Units: 3
- NRS 390 - Nursing Informatics and Information Literacy and Competency Units: 3
- NRS 460 - Nursing Leadership and Management Dynamics Units: 3
- NRS 470 - Community/Public Health Nursing Units: 3
- NRS 471 - Community/Public Health Nursing Lab Units: 3
- NRS 490 - Introduction to Nursing Research Units: 3

### Programs Leading to Licensure and Credentialing

Admission into programs leading to licensure and credentialing does not guarantee that students will obtain a license or credential. Licensure and credentialing requirements are set by agencies that are not controlled by or affiliated with the CSU and requirements can change at any time. For example, licensure or credentialing requirements can include evidence of the right to work in the United States (e.g., social security number or taxpayer identification number) or successfully passing a criminal background check. Students are responsible for determining whether they can meet licensure or credentialing requirements. The CSU will not refund tuition, fees or any associated costs to students who determine

subsequent to admission that they cannot meet licensure or credentialing requirements. Information concerning licensure and credentialing requirements are available from the Office of Academic Affairs, Siemens Hall 216, 707-826-3722.

The California State University has not determined whether its programs meet other states' educational or professional requirements for licensure and certification. Students enrolled in a California State University program who are planning to pursue licensure or certification in other states are responsible for determining whether they will meet their state's requirements for licensure or certification. This disclosure is made pursuant to 34 CFR §668.43(a)(5)(v)(C).

## Nursing, B.S.N. Program Learning Outcomes

Graduates of this program will be able to:

- Identify ways to improve healthcare in the US and they will acquire leadership skills necessary to advocate for such improvements in rural populations.
- Apply knowledge of social and cultural factors to the care of diverse populations.
- Integrate patient care technologies as appropriate to address the diverse needs of a rural patient population.
- Develop a nursing philosophy that formulates how they will apply their personal strengths to the care of others while nurturing their own personal health and wellness.
- Analyze data and apply relevant research to identify evidence-based solutions in their area of specialization.

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## Oceanography, B.S.

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Humboldt's students have the advantage of living in an ideal natural environment for marine studies, close to both the ocean and a number of estuaries and lagoons. Cal Poly Humboldt has a fully equipped marine laboratory in the nearby town of Trinidad and a research vessel docked in Humboldt Bay, allowing students to supplement classroom learning through laboratory and seagoing experiences and field trips.

Flexible coursework and experiences allow students a variety of choices while still providing an education of considerable breadth, an understanding of fundamental concepts unique to oceanography, and an appreciation of how concepts from allied fields interrelate. The intent is to develop an interdisciplinary train of thought essential for understanding the marine environment.

Participants also study in depth a science related to oceanography, such as geology, chemistry, physics, or biology. This program allows a student to:

- prepare as an ocean scientist to collect, process, and aid in interpreting scientific data collected on oceanographic cruises and other fieldwork conducted by federal, state, educational, or private institutions and agencies;
- prepare for graduate study in oceanography or a related science by acquiring a broad, sound science background;
- secure a broad science background and sound fundamental education (for those with an interest in the major who do not intend to use it as a career).

Humboldt's program prepares ocean scientists who collect, process, and interpret scientific data. Graduates excel in these careers: oceanographer, research assistant, marine biologist, marine products salesperson, aquatic biologist, marine geophysicist, hydrologist, water pollution technician, environmental specialist, scientific officer, hydrographic surveyor, earth scientist, aquatic chemist.

Students should have a good background in biology, chemistry, physics, and mathematics. Competence with computers and a language other than English is recommended.

## Requirements for the Bachelor's Degree

A bachelor's degree requires a total of 120 units. Students must fulfill General Education & All-University Requirements, residency, unit, and GPA requirements as outlined in the Bachelor's Degree Requirements.

## Requirements for the Major (81 Units)

The Upper Division Area B General Education requirement is met by the coursework within the major.

### Lower Division (23 Units)

- BIOL 105 - Principles of Biology Units: 4
- CHEM 109 - General Chemistry I Units: 5
- CHEM 110 - General Chemistry II Units: 5
- GEOL 109 - General Geology Units: 4
- OCN 109 - General Oceanography Units: 3
- OCN 109L - General Oceanography Laboratory Units: 1
- OCN 260 - Sampling Techniques and Field Studies Units: 1

### Upper Division (27 Units)

- OCN 310 - Biological Oceanography Units: 4
- OCN 320 - Physical Oceanography Units: 4
- OCN 330 - Chemical Oceanography Units: 4
- OCN 340 - Geological Oceanography Units: 4
- OCN 370 - Library Research and Report Writing Seminar Units: 2
- OCN 420 - Oceans and Climate Units: 3
- OCN 485 - Undergraduate Seminar Units: 1
- OCN 495 - Field Cruise I Units: 3
- OCN 496 - Field Cruise II Units: 2

## Mathematics/Physics Course Group

Complete one of the following two groups.

### Group One (31 Units)

- MATH 109 - Calculus I Units: 4
- MATH 110 - Calculus II Units: 4
- MATH 210 - Calculus III Units: 4
- PHYX 109 - General Physics A: Mechanics Units: 4
- PHYX 210 - General Physics B: Thermodynamics, Waves and Optics Units: 4
- Plus an 11-unit package of approved electives, tailored individually to the student's educational goals. Besides satisfying the major requirement, the elective package commonly leads to completion of a minor in a related field of study.

### Group Two (31 Units)

- MATH 105 - Calculus for the Biological Sciences and Natural Resources Units: 3
- MATH 215 - Multivariate Calculus for the Biological Sciences and Natural Resources Units: 3
- PHYX 106 - College Physics: Mechanics and Heat Units: 4
- PHYX 107 - College Physics: Electromagnetism and Modern Physics Units: 4
- STAT 109 - Introductory Biostatistics Units: 4
- Plus a 13-unit package of approved electives, tailored individually to the student's educational goals. Besides satisfying the major requirement, the elective package



commonly leads to completion of a minor in a related field of study.

## Program Learning Outcomes

Students completing this program will have demonstrated:

- utilization of scientific concepts from biology, chemistry, geology, physics, and mathematics to understand fundamental oceanographic processes and functions
- the ability to employ appropriate sampling, laboratory, and computer techniques to collect, measure, and interpret oceanographic information
- integration of conceptual and technical understanding to address complex interdisciplinary problems in oceanography
- utilization of reading, writing, and oral skills to effectively communicate oceanographic information.

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## Philosophy, B.A.

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The Philosophy major provides its students with the opportunity to engage in critical as well as constructive dialogue with the greatest thinkers in both the Eastern and Western traditions. This includes ideas and values, from ancient through contemporary works, which continue to influence and challenge our thinking in all areas of human thought and action. While learning how to read such works philosophically, both class discussions and writing assignments will assist the student in learning how to think, speak, and write philosophically. These skills will cultivate the power to logically analyze and holistically integrate concepts and theories, as well as lay the foundations for a lifetime of learning in that students will learn how to learn for themselves. A degree in philosophy will provide one of the best preparations both for an academic career, as well as for many other professions, such as law, medicine, government and education.

### Requirements for the Bachelor's Degree

A bachelor's degree requires a total of 120 units. Students must fulfill General Education & All-University Requirements, residency, unit, and GPA requirements as outlined in the Bachelor's Degree Requirements.

### Requirements for the Major (42 Units)

Philosophy majors must earn a minimum grade of "C-" in all courses taken to fulfill the major requirements; and must earn a minimum overall GPA of 2.00 in the major.

#### Lower Division

- PHIL 100 - Logic Units: 3
- PHIL 210 - Ancient Philosophy Units: 3
- PHIL 211 - Modern Philosophy Units: 3

#### Upper Division

- PHIL 303 - Theories of Ethics Units: 3
- PHIL 371 - Contemporary Social and Political Philosophy Units: 3
- PHIL 420 - Contemporary Epistemology and Metaphysics Units: 3
- PHIL 425 - Philosophy of Science Units: 3
- PHIL 485 - Seminar in Philosophy Units: 3

#### Electives

Complete 18 units. Of the 18 units, at least 12 units must be from Group B.

#### Group A

- PHIL 301 - Reflections on the Arts Units: 3
- PHIL 302 - Environmental Ethics Units: 3
- PHIL 304 - Philosophy of Sex and Love Units: 3
- PHIL 306 - Race, Racism and Philosophy Units: 3
- PHIL 307 - Philosophy of Law Units: 3
- PHIL 309B - Perspectives: Humanities/Science/ Social Science Units: 3
- PHIL 485 - Seminar in Philosophy Units: 3 (in addition to required seminar)

#### Group B

- PHIL 349 - Latin American Philosophy Units: 3
- PHIL 355 - Existentialism Units: 3
- PHIL 415 - Symbolic Logic Units: 3
- PHIL 345 - Philosophies of China Units: 3
- PHIL 346 - Philosophies of India Units: 3

## Program Learning Outcomes

Students completing this program will have demonstrated the ability to:

- define concepts and use traditional vocabulary of philosophy
- use the logical methods of analysis to critically assess philosophical arguments
- apply methods of philosophy to specific issues and problems
- identify, articulate, and evaluate philosophical arguments.

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## Physical Science, B.A.

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The physical science degree is less specialized than the physics major, and therefore more adaptable to studies in various fields, including preparation for teaching at the middle or secondary school level.

### Requirements for the Bachelor's Degree

A bachelor's degree requires a total of 120 units. Students must fulfill General Education & All-University Requirements, residency, unit, and GPA requirements as outlined in the Bachelor's Degree Requirements.

### Requirements for the Major (57 Units)

A minimum grade of C- is required for all courses with the "PHYX" prefix for the physical science major.

#### Lower Division (37 Units)

- CHEM 109 - General Chemistry I Units: 5
- CHEM 110 - General Chemistry II Units: 5
- MATH 107 - Introduction to Linear Algebra Units: 3
- MATH 109 - Calculus I Units: 4
- MATH 110 - Calculus II Units: 4
- MATH 210 - Calculus III Units: 4
- PHYX 109 - General Physics A: Mechanics Units: 4
- PHYX 210 - General Physics B: Thermodynamics, Waves and Optics Units: 4
- PHYX 211 - General Physics C: Electricity, Magnetism Units: 4

#### Upper Division (20 Units)

- PHYX 315 - Introduction to Electronics and Electronic Instrumentation Units: 3
- PHYX 320 - Modern Physics Units: 3
- PHYX 340 - Mathematical and Computational Methods Units: 2

#### Upper Division Electives

Complete 12 units of approved upper division courses within chemistry, geology, oceanography, physics, mathematics, or engineering.

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## Physics, B.S.

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This program is the prerequisite to many research positions offered by government and industry, and to graduate study. Careers in physics often require advanced degrees beyond the BS. Typical opportunities: aerospace scientist, medical technologist, systems analyst, astronomer, meteorologist, industrial hygienist, electronics engineer, fusion engineer, oceanographer, physical chemist, geophysicist, physicist.

The university's nearby observatory on Fickle Hill has a 16-inch telescope, a 12-inch telescope, and several 8-inch telescopes for student and community use. The department also offers a well-equipped computer electronics laboratory.

We recommend that students take English, mathematics, and physics in high school.

### Requirements for the Bachelor's Degree

A bachelor's degree requires a total of 120 units. Students must fulfill General Education & All-University Requirements, residency, unit, and GPA requirements as outlined in the Bachelor's Degree Requirements.

### Requirements for the Major (76-78 Units)

A minimum grade of C- is required for all courses with the "PHYX" prefix for the physics major. The Upper Division Area B General Education requirement is met by the coursework within the Bachelor of Science degree for either option in the Physics major.

### Core Courses (67 Units)

The following core courses are required for all physics majors.

#### Lower Division

- CHEM 109 - General Chemistry I Units: 5
- CHEM 110 - General Chemistry II Units: 5
- MATH 107 - Introduction to Linear Algebra Units: 3
- MATH 109 - Calculus I Units: 4
- MATH 110 - Calculus II Units: 4
- MATH 210 - Calculus III Units: 4
- PHYX 109 - General Physics A: Mechanics Units: 4
- PHYX 210 - General Physics B: Thermodynamics, Waves and Optics Units: 4
- PHYX 211 - General Physics C: Electricity, Magnetism Units: 4

#### Upper Division

- MATH 311 - Vector Calculus Units: 2
- MATH 313 - Ordinary Differential Equations Units: 4
- PHYX 320 - Modern Physics Units: 3
- PHYX 324 - Analytical Mechanics Units: 4
- PHYX 325 - Thermal Physics Units: 4
- PHYX 340 - Mathematical and Computational Methods Units: 2
- PHYX 441 - Electricity and Magnetism I Units: 3
- PHYX 442 - Electricity and Magnetism II Units: 3
- PHYX 450 - Quantum Physics I Units: 4
- PHYX 484 - Physics Seminar I Units: 0.5
- PHYX 485 - Physics Seminar II Units: 0.5

### Concentrations

Complete one of the following to fulfill the requirements of the major.

### Astronomy Concentration (11 Units)

- PHYX 310 - Spacetime and Relativity Units: 3
- PHYX 360 - Physics of Stars and Planets Units: 4
- PHYX 361 - Galaxies and Cosmology Units: 4

### Traditional Concentration (9 Units)

- PHYX 315 - Introduction to Electronics and Electronic Instrumentation Units: 3
- PHYX 316 - Electronic Instrumentation and Control Systems Units: 4
- PHYX 462 - Senior Lab Units: 2

### Graduate School Preparation

Those students intending to enter graduate school in physics should take more courses in physics and mathematics. For example:

- MATH 240 - Introduction to Mathematical Thought Units: 3
- MATH 442 - Abstract Algebra Units: 4
- MATH 344 - Linear Algebra Units: 4
- PHYX 495 - Undergraduate Research Units: 1-3

### Program Learning Outcomes

1. Identify, develop, and apply appropriate models and strategies using physical and mathematical techniques for solving problems in physics and/or astronomy.
2. Develop the breadth, depth and rigor in physics and/or astronomy needed to succeed in graduate school or the technical workforce.
3. Design, perform, analyze and interpret laboratory experiments, model simulations, and/or astronomical observations.
4. Present technical information to a diverse audience in both written and oral formats.
5. Gather professionally relevant information and resources and critically evaluate sources.
6. Develop awareness of the culture, responsibilities, privileges and structural inequities in Physics/Astronomy as currently practiced.

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## Political Science, B.A.

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Our classes focus on critical engagement with current political practices globally and in the U.S. The Political Science major will give you the skills you need to pursue a career in political organizing, public policy, government, or law. Learn how to save the world... one step at a time.

As part of their degree requirements, students pursue one or more of the following hands-on learning opportunities: they can participate in Model United Nations, Moot Court, and local internships with government and non-profit organizations.

Our department offers three distinctive concentrations within the major. Students can choose to concentrate in one of these areas or can complete a major without a concentration.

- Law and Policy: Whether you want to go to law school, work for a government agency, or advocate for change with an NGO, this concentration will help you develop the knowledge of the legal and policymaking process that you need to work effectively at the grass-roots right up to Congress.

- Politics of Environment and Sustainability: Environmental concerns are not just technical problems, they're key social and political challenges. This concentration explores links between environmental issues, social justice, individual freedom, and strategies for change.
- Global Politics: Politics, economics, and culture are increasingly global. This concentration will develop your understanding of the actors and organizations that shape our world, while deepening your understanding of the diverse peoples, politics, and cultures outside the U.S.

Students interested in pursuing a graduate degree while at Cal Poly Humboldt may wish to consider the dual degree pathway with the Master of Arts in Social Science, Environment and Community graduate program. The dual degree pathway enables exceptional students to earn a bachelor's and a master's degree in five years. Please refer to the Social Science, Environment and Community Concentration, M.A. program description in this catalog for more information.

## Requirements for the Bachelor's Degree

A bachelor's degree requires a total of 120 units. Students must fulfill General Education & All-University Requirements, residency, unit, and GPA requirements as outlined in the Bachelor's Degree Requirements.

## Requirements for the Major (41 Units)

All courses required for the major must be completed with a minimum grade of C-.

## Core Courses (21 Units)

The following core course are required for all political science majors.

### Lower Division

- PSCI 220 - Introduction to Political Theory Units: 3
- PSCI 230 - Introduction to Comparative Politics Units: 3
- PSCI 240 - Introduction to International Relations Units: 3
- PSCI 280 - Core Discussion Seminar Units: 1
- PSCI 295 - Political Research and Analysis Units: 4

### Upper Division

#### Experience

Complete at least one of the following:

- PSCI 413 - Moot Court Units: 3
- PSCI 376 - Multilateralism and the United Nations System Units: 2 and
- PSCI 377 - Model United Nations Units: 1
- PSCI 482 - Internship Units: 3

#### Capstone

- PSCI 485 - Capstone Seminar in Politics Units: 4

## Concentrations (20 Units)

Students can choose to concentrate in one area or complete the major without a concentration. Complete one of the following to fulfill the 41 units required for the major.

### No concentration

## Upper Division Courses (20 Units)

Complete 20 units of upper division elective courses from the list below (or selected from the Law and Policy, Politics of Environment and Sustainability, or Global Politics concentrations).

- PSCI 323 - Topics in Political Theory Units: 4
- PSCI 327 - Radical Political Thought Units: 4
- PSCI 354 - Media and Public Opinion Units: 4
- PSCI 371 - Experiential Workshop Units: 1-4
- PSCI 381S - Community Leadership in Action Units: 1
- PSCI 387 - International Education Colloquium Units: 1
- PSCI 491 - Mentoring Units: 1-4
- PSCI 495 - Field Research Units: 1-4
- PSCI 499 - Directed Study Units: 1-4

## Global Politics Concentration (20 Units)

- PSCI 343 - Global Governance Units: 4

Complete at least 8 units from the following courses.

- PSCI 303 - Global Inequalities Units: 3
- PSCI 324 - The Arab-Israeli Conflict: History, Narratives and Nationalism Units: 4
- PSCI 330 - Political Regimes and Political Change Units: 4 (May be repeated with different world regions or topics)
- PSCI 340 - Ethnicity and Nationalism Units: 4
- PSCI 347 - US Foreign Policy Units: 4
- PSCI 360 - Political Economy Units: 4
- PSCI 441 - International Law Units: 4

## Upper Division Elective Courses

Plus additional upper division PSCI courses from any concentration or in the Political Science, B.A. to total 41 units for the major.

## Law and Policy Concentration (20 Units)

- PSCI 317 - Public Policy Process Units: 4
- PSCI 350 - US National Politics Units: 4
- OR**
- PSCI 410 - US Constitutional Law Units: 4

## Additional Requirement

Complete at least one of the following courses, or all three of the courses above.

- CRGS 360 - Race, Gender and US Law Units: 4
- PSCI 313 - Politics of Criminal Justice Units: 4
- PSCI 347 - US Foreign Policy Units: 4
- PSCI 358 - Political Advocacy Units: 4
- PSCI 412 - Legal Research Units: 4
- PSCI 441 - International Law Units: 4

## Upper Division Elective Courses

Plus additional upper division PSCI courses from any concentration or in the Political Science, B.A. to total 41 units for the major.

## Politics of Environment and Sustainability Concentration (20 Units)

- PSCI 306 - Environmental Politics Units: 3
- PSCI 306M - Environmental Politics - Majors Research Seminar Units: 1

## Complete at least two of the following courses:

- PSCI 305 - Food Politics and the American Dream Units: 3
- PSCI 352 - Water Politics Units: 4
- PSCI 364 - Technology and Development Units: 4
- PSCI 365 - Political Ecology Units: 4
- PSCI 373 - Politics of Sustainability Units: 4

## Upper Division Elective Courses

Plus additional upper division PSCI courses from any concentration or in the Political Science, B.A. to total 41 units for the major.

## Political Science, B.A. Program Learning Outcomes

Students completing this program will have demonstrated:

- knowledge of political theories, institutions, and processes in the U.S. and internationally
- the ability to identify, access, read, and evaluate political science research
- the ability to critically analyze social, political, and environmental challenges facing contemporary politics, using support from appropriate sources
- knowledge of the practice of politics through experience and reflection on their experience in relation to social responsibility, sustainability, and/or the obligations of citizenship in a globalized world
- proficiency in written and oral communication.

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## Psychology, B.A.

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A bachelor's degree with a major in psychology is excellent preparation for graduate programs in psychology, health and social service. Typically, professions in these areas require a post baccalaureate degree. Many of our students have been accepted into prestigious nationally recognized Ph.D. programs and many have gone on to master's degree programs. Other professionals, such as executives, lawyers, and business leaders often have a bachelor's degree in psychology and advanced degrees in other areas.

A major in psychology is also useful preparation for career areas such as counseling, media, management, survey research, assessment or program evaluation, and law enforcement. Students who are not planning on graduate school, still leave our program with a number of highly marketable skills such as; the ability to collect, organize, analyze, and interpret data; conduct research, write reports and proposals clearly and objectively; communicate effectively and sensitively in both individual and group situations; and identify problems, plan and recommend solutions.

All psychology students are required to adhere strictly to the Ethical Standards of Psychologists, published by the American Psychological Association, and to all Cal Poly Humboldt procedures and policies concerning use of humans and non-humans as experimental participants. Failure to comply will result in immediate expulsion from the department's programs, courses, and facilities.

We recommend that students who are interested in this major take algebra and biology in high school.

## Requirements for the Bachelor's Degree

A bachelor's degree requires a total of 120 units. Students must fulfill General Education & All-University Requirements, residency, unit, and GPA requirements as outlined in the Bachelor's Degree Requirements.

## Requirements for the Major (41 Units)

### Fundamentals of Psychology (10 Units)

- PSYC 104 - Introduction to Psychology Units: 3
- PSYC 109 - Introduction to Psychological Statistics Units: 4
- PSYC 240 - Foundations of Research Methods in Psychology Units: 3

### Core Content Areas in Psychology (19 Units)

- PSYC 311 - Developmental Psychology Units: 3
- PSYC 321 - Intro Behavioral Neuroscience Units: 3
- PSYC 324 - Cognitive Psychology Units: 3
- PSYC 335 - Social Psychology Units: 3
- PSYC 338 - Abnormal Psychology Units: 3
- PSYC 342 - Application of Research Methods in Psychology Units: 4

### Specialized Topics (12 Units)

Complete 12 units from the following courses. A maximum of 3 units supervision courses can be counted toward the 12 units. The 3 units of supervision courses do not need to be taken in the same semester.

- PSYC 300 - Psychology of Gender Units: 3
- PSYC 302 - Psychology of Prejudice Units: 3
- PSYC 306 - Health Psychology Units: 3
- PSYC 320 - Behavior Analysis Units: 4
- PSYC 322 - Learning and Motivation Units: 3
- PSYC 323 - Sensation and Perception Units: 3
- PSYC 325 - Advanced Behavioral Neuroscience Units: 4
- PSYC 336 - Social Influence and Persuasion Units: 3
- PSYC 337 - Personality Theory and Research Units: 3
- PSYC 345L - Psychological Tests and Measurement Units: 4
- PSYC 411 - Social Neuroscience Units: 3
- PSYC 414 - Psychology of Adolescence and Young Adulthood Units: 3
- PSYC 415 - Psychology of Aging and Older Adulthood Units: 3
- PSYC 418 - Developmental Psychopathology Units: 3
- PSYC 436 - Human Sexuality Units: 3
- PSYC 454 - Interviewing and Counseling Techniques Units: 3
- PSYC 473 - Substance Use and Addiction Units: 3
- PSYC 478 - Analysis of Variance Units: 4
- PSYC 480 - Selected Topics in Psychology Units: 0.5-3
- PSYC 484 - Culture and Diversity in Psychology Units: 3
- PSYC 486 - History and Systems of Psychology Units: 3
- PSYC 487 - Evolutionary Psychology Units: 3
- PSYC 488 - Regression/Multivariate Topics Units: 4
- PSYC 489S - Community Psychology Units: 3  
Supervision Courses
- PSYC 490 - Senior Honors Thesis Units: 3
- PSYC 495 - Research Practicum in Psychology Units: 1-4
- PSYC 497 - Mentoring in Teaching Psychology Units: 1-3

- PSYC 499 - Independent Study Units: 1-3

## Psychology, B.A. Program Learning Outcomes

Students will demonstrate:

- knowledge of the major concepts, theories, and empirical findings in the core content areas of psychology.
- knowledge of methodological, analytical, and research skills appropriate to the field of psychology.
- knowledge of the sociocultural and contextual nature of psychology.
- knowledge of ethics involved in conducting research and working in the field of psychology.
- skills needed for post baccalaureate employment, graduate, or professional school.

## Programs Leading to Licensure and Credentialing

Admission into programs leading to licensure and credentialing does not guarantee that students will obtain a license or credential. Licensure and credentialing requirements are set by agencies that are not controlled by or affiliated with the CSU and requirements can change at any time. For example, licensure or credentialing requirements can include evidence of the right to work in the United States (e.g., social security number or taxpayer identification number) or successfully passing a criminal background check. Students are responsible for determining whether they can meet licensure or credentialing requirements. The CSU will not refund tuition, fees or any associated costs to students who determine subsequent to admission that they cannot meet licensure or credentialing requirements. Information concerning licensure and credentialing requirements are available from the Office of Academic Affairs, Siemens Hall 216, 707-826-3722.

The California State University has not determined whether its programs meet other states' educational or professional requirements for licensure and certification. Students enrolled in a California State University program who are planning to pursue licensure or certification in other states are responsible for determining whether they will meet their state's requirements for licensure or certification. This disclosure is made pursuant to 34 CFR §668.43(a)(5)(v)(C).

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## Rangeland Resource Science, B.S.

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Learn to manage rangeland ecosystems wisely. Study forage, timber, wildlife, recreation, watersheds, and their interrelationships.

Classroom instruction is enhanced by the university's plant, soil, and animal science laboratories. Humboldt also has a range herbarium. Nearby privately owned ranches and federal lands offer excellent opportunities for field study.

Potential careers: range conservationist, biological technician, range manager, environmental specialist, agricultural inspector, lands specialist, soil conservationist or soil scientist, range consultant, natural resources specialist, watershed manager, or ecosystem restoration specialist. The Rangeland Resource Science concentration meets the qualifications for "Rangeland Management Specialist" and "Soil Conservationist" classifications for federal employment, and meets the educational requirements to apply to take the California Certified Rangeland Manager examination.

Wildland Soil Science Concentration. Learn to address the unique management requirements and problems of wildland soils. Wildland soils are uncultivated, natural soils supporting herbaceous and woody plant communities supplying timber, wildlife habitat, livestock forage, watershed values, and other ecosystem services.

Courses in this concentration cover the basic physical and biological sciences, introductory and advanced soil science, and soil and natural resource management. Classroom instruction is enhanced by the

university's soil science laboratories and greenhouses. Research and demonstration sites on private and public lands in Northern California enhance field studies.

Potential careers: soil conservationist, soil scientist, soil consultant, environmental specialist, agricultural inspector, lands or natural resources specialist, restoration specialist, or watershed manager. The Wildland Soil Science Concentration meets the qualifications for "Soil Conservationist" and "Soil Scientist" position classifications in federal employment. This concentration also meets the educational requirements to take the Fundamentals of Soil Science Examination.

## Requirements for the Bachelor's Degree

A bachelor's degree requires a total of 120 units. Students must fulfill General Education & All-University Requirements, residency, unit, and GPA requirements as outlined in the Bachelor's Degree Requirements.

## Requirements for the Major (90-96 Units)

Students must complete all courses in the major with a grade of C- or better.

## Core Courses (74 Units)

### Lower Division

- BIOL 105 - Principles of Biology Units: 4
- BOT 105 - General Botany Units: 4
- CHEM 107 - Fundamentals of Chemistry Units: 4
- ESM 105 - Natural Resource Conservation Units: 3
- GSP 101 - Geospatial Concepts Units: 3
- GSP 216 - Introduction to Remote Sensing Units: 3
- **OR**
- GSP 270 - Geographic Information Science (GIS) Units: 3
- PHYX 106 - College Physics: Mechanics and Heat Units: 4
- SCI 100 - Becoming a STEM Professional in the 21st Century Units: 3
- SOIL 260 - Introduction to Soil Science Units: 3
- STAT 109 - Introductory Biostatistics Units: 4

### Upper Division

- BOT 310 - General Plant Physiology Units: 4
- BOT 350 - Plant Taxonomy Units: 4
- ESM 305 - Environmental Conflict Resolution Units: 3
- FOR 315 - Forest Management Units: 3
- FOR 359 - CA and US Forest and Wildland Policy Units: 3
- RRS 306 - Wildland Resource Principles Units: 3
- RRS 360 - Wildland Plant Communities Units: 3
- RRS 370 - Wildland Ecology Principles Units: 3
- RRS 375 - Vegetation Analysis and Health Units: 3
- SOIL 360 - Origin and Classification of Soils Units: 3
- SOIL 460 - Wildland Soil Management and Erosion Control Units: 3
- WSHD 310 - Hydrology and Watershed Management Units: 4

## Concentration

Students can choose to concentrate in wildland soils or complete the major without a concentration. Complete one of the following to fulfill the requirements for the major.

(without a concentration)

### Rangeland Specific Courses (20-22 Units)

- ESM 215 - Natural Resources and Recreation Units: 3  
OR
- FOR 321 - Fire Ecology Units: 3  
OR
- WLDF 301 - Principles of Wildlife Management Units: 3
- ECON 423 - Environmental and Natural Resources Economics Units: 3
- RRS 420 - Introduction to Animal Science Units: 3
- RRS 430 - Wildland Restoration and Development Units: 3
- RRS 460 - Rangeland and Ranch Planning Units: 3

### Approved Electives/Emphases

Complete one of the following emphases for the Rangeland Resource Science concentration (5-7 units), or any combination of courses below or advisor-approved electives totaling a minimum of 6 units.

#### Botany Emphasis

Complete a minimum of 6 units selected from:

- BOT 354 - Agrostology Units: 4
- BOT 355 - Lichens and Bryophytes Units: 4
- BOT 358 - Biology of the Microfungi Units: 2
- BOT 359 - Biology of the Ascomycetes and Basidiomycetes Units: 2
- BOT 360 - Biology of the Fleshy Fungi Units: 2

#### Ecological Restoration Emphasis

Complete the following courses (7 units):

- ESM 355 - Principles of Ecological Restoration Units: 3
- ESM 455 - Ecological Restoration Capstone Units: 4

#### Geospatial Technology Emphasis

Complete 6 units of advisor-approved GSP courses (not already taken in core requirements).

#### Fire Emphasis

Complete 5 units.

- FOR 223 - Introduction to Wildland Fire Units: 2
- FOR 323 - Wildland Fire Behavior and Use Units: 3  
OR
- FOR 423 - Wildland Fuels Management Units: 3

#### Natural Resource Policy Emphasis

Complete the following courses (6 units).

- ESM 210 - Public Land Use Policies and Management Units: 3
- ESM 325 - Environmental Law and Regulation Units: 3

#### Soil Emphasis

Complete two of the following courses (6 units).

- SOIL 363 - Wetland Soils Units: 3
- SOIL 462 - Soil Fertility Units: 3
- SOIL 465 - Soil Microbiology Units: 3
- SOIL 467 - Soil Physics Units: 3

### Wildland Soil Science Concentration

Soil courses are embedded in this concentration to meet federal "Soil Scientist" requirements.

In addition to core courses, complete one of the following emphases for the Wildland Soil Science Concentration or any combination of the courses below or advisor-approved electives totaling a minimum of 18 additional units.

#### Botany Emphasis (18 Units)

Complete a minimum of 6 units from the following:

- BOT 354 - Agrostology Units: 4
- BOT 355 - Lichens and Bryophytes Units: 4
- BOT 358 - Biology of the Microfungi Units: 2
- BOT 359 - Biology of the Ascomycetes and Basidiomycetes Units: 2
- BOT 360 - Biology of the Fleshy Fungi Units: 2

Complete 12 units from the following:

- FOR 130 - Dendrology Units: 3
- SOIL 363 - Wetland Soils Units: 3
- SOIL 462 - Soil Fertility Units: 3
- SOIL 465 - Soil Microbiology Units: 3
- SOIL 468 - Introduction to Agroforestry Units: 3

#### Earth Sciences Emphasis (19-20 Units)

- GEOL 109 - General Geology Units: 4
- GEOL 306 - General Geomorphology Units: 3
- SOIL 467 - Soil Physics Units: 3
- Complete one additional GSP course not taken in the core (3-4 Units)

Complete 6 units from the following:

- SOIL 363 - Wetland Soils Units: 3
- SOIL 462 - Soil Fertility Units: 3
- SOIL 465 - Soil Microbiology Units: 3

#### Ecological Restoration Emphasis (19 Units)

- ESM 355 - Principles of Ecological Restoration Units: 3
- ESM 455 - Ecological Restoration Capstone Units: 4
- RRS 430 - Wildland Restoration and Development Units: 3
- SOIL 363 - Wetland Soils Units: 3

Complete two of the following courses.

- SOIL 462 - Soil Fertility Units: 3
- SOIL 465 - Soil Microbiology Units: 3
- SOIL 467 - Soil Physics Units: 3
- SOIL 468 - Introduction to Agroforestry Units: 3

#### Sustainable Agriculture Emphasis (16 Units)

Complete three of the following courses.

- SOIL 363 - Wetland Soils Units: 3
- SOIL 462 - Soil Fertility Units: 3

- SOIL 465 - Soil Microbiology Units: 3
- SOIL 467 - Soil Physics Units: 3
- SOIL 468 - Introduction to Agroforestry Units: 3

Complete one of the following courses.

- BA 430 - Introduction to New Ventures Units: 4
- PSCI 365 - Political Ecology Units: 4
- PSCI 373 - Politics of Sustainability Units: 4

Complete one of the following courses.

- WSHD 333 - Wildland Water Quality Units: 3
- WSHD 458 - Climate Change and Land Use Units: 3

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## Recreation Administration, B.A.

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Recreation majors have many fieldwork choices through the abundance of nearby parks, wilderness areas, lakes, beaches, rivers, and leisure-oriented organizations.

Students round out their education by completing a minor (or minor field of study) in business administration and an internship. The internship may be taken any semester, with the summer option offered through the College of Extended Education & Global Engagement.

Organizations employing recreation administration graduates include: community parks, volunteer agencies, corporate wellness programs, college recreation programs, commercial recreation centers, therapeutic recreation programs, tourism organizations and outdoor education and recreation programs.

### Requirements for the Bachelor's Degree

A bachelor's degree requires a total of 120 units. Students must fulfill General Education & All-University Requirements, residency, unit, and GPA requirements as outlined in the Bachelor's Degree Requirements.

### Requirements for the Major (55-62 Units)

Students must earn a C- or better in all required courses for the major (or their equivalent, in the case of courses transferred from another institution).

### Core Courses (28 Units)

#### Lower Division

- REC 100 - Leisure in Society Units: 3
- REC 210 - Recreation Leadership Units: 3
- REC 220 - Leisure Programming Units: 3
- Plus one physical education course Units: 1

#### Upper Division

- REC 302 - Inclusive Recreation Units: 3
- REC 320 - Organization, Administration and Facility Planning Units: 3
- REC 420 - Legal and Financial Aspects of Recreation Units: 3
- REC 455 - Internship and Career Preparation Workshop Units: 1
- REC 482 - Internship in Recreation Units: 1-6 (Required Units: 6)
- REC 485 - Senior Seminar - Majors Units: 2

### Emphases (15-16 Units)

Complete one of the following emphases to fulfill the requirements of the major.

### Diving Leadership Emphasis (16 Units)

- REC 252 - Diving First Aid, Introduction to Cal Poly Humboldt Diving Units: 1
- REC 262 - Beginning SCUBA Units: 4
- REC 362 - Master Diver Units: 4
- REC 383 - Rescue Diver Units: 3
- REC 472 - Leadership Diving: Assistant Instructor Units: 4

### Inclusive Communities Emphasis (15 Units)

- REC 410 - Community Recreation Units: 3
- REC 415 - Leisure and Aging Units: 3

Complete three of the following courses

- HED 392 - Community and Population Health Units: 3
- PSYC 306 - Health Psychology Units: 3
- REC 330 - Adventure Theory and Practice Units: 3
- REC 345 - Environmental Education Units: 3
- REC 481 - Recreation Practicum Units: 3
- (3) Child Development course (advisor-approved)

### Outdoor Leadership Emphasis (15 Units)

- REC 330 - Adventure Theory and Practice Units: 3
- REC 370 - Outdoor Leadership Foundations Units: 3
- REC 375 - Winter Wilderness Living Units: 2
- REC 430 - Outdoor Leadership Expedition Units: 4

Complete one of the following courses.

- REC 345 - Environmental Education Units: 3
- REC 435 - Sustainable Tourism Units: 3
- REC 481 - Recreation Practicum Units: 3

### Tourism Management Emphasis (15 Units)

- REC 335 - Tourism Planning and Development Units: 3
- REC 315 - Travel Industry Management Units: 3
- REC 435 - Sustainable Tourism Units: 3

Complete two of the following courses.

- REC 330 - Adventure Theory and Practice Units: 3
- REC 345 - Environmental Education Units: 3
- REC 370 - Outdoor Leadership Foundations Units: 3
- REC 415 - Leisure and Aging Units: 3
- REC 481 - Recreation Practicum Units: 3

### Self-Designed Emphasis (15 Units)

Students may design their own emphasis with a minimum of 15 units of thematic upper-division coursework; at least 6 units must be in recreation administration (REC) courses. The self-designed emphasis must be approved by two members of the Recreation Administration faculty.

### Business Requirement (12-18 Units)

- Complete a minor in business (18 Units) - obtain requirements from the School of Business **OR**
- Complete a minimum of 12 units of business and/or economics advisor-approved coursework. 8 units must be upper division.

### Program Learning Outcomes

Students completing this program will be able to:

- develop, implement and evaluate traditional leisure services and programs within their specified professional pathway area;
- identify and create leisure opportunities that maximize participation for diverse populations;
- apply effective professional communication, leadership, and management to the leisure industry;
- select, implement, and evaluate appropriate technologies as related to the leisure industry; and
- apply professional knowledge, skills, and abilities to field-based work experiences within the general area of recreation administration and within their professional pathway.

- RS 321 - Sacred Texts: New Testament Units: 3
- RS 322 - Sacred Texts: Buddhist Texts Units: 4
- RS 323 - Sacred Texts: Hindu Texts Units: 4
- RS 330 - Introduction to Judaism Units: 3
- RS 331 - Introduction to Christianity Units: 3
- RS 332 - Introduction to Islam Units: 3
- RS 340 - Zen, Dharma and Tao Units: 3
- RS 341 - Spiritual Traditions of India Units: 3
- RS 342 - Buddhism in India and Tibet Units: 3
- RS 345 - T'ai Chi Ch'üan (Taijiquan) Units: 3
- RS 351 - Shamanism and Prophecy Units: 3
- RS 391 - Religion in Tradition: Special Topics Units: 3

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## Religious Studies, B.A.

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Students will demonstrate religious literacy, recognizing and understanding diverse cultural expressions as they appear in contexts of religious traditions, sacred texts, international and domestic politics, the arts, and their own interpersonal relationships.

Students will practice authentic self-reflection and decision-making as they determine for themselves matters concerning belief, practice, values, meaning, and purpose in their lives.

Students will master phenomenological approaches to the understanding of religious and cultural variation, enabling them to engage diversity directly, with both generosity and justice.

Through their work in classes, but also in extra-curricular activities, students will manifest sound professionalism in such matters as time management, attendance, fulfillment of responsibilities, the ability to follow directions, comportment, and courtesy.

The objectives of the religious studies major are best attained in the context of a liberal arts education. The curriculum lets students develop an awareness of the capacity for scholarship, and disciplined and objective thought on the subject of religion.

The program avoids dogmatism as well as unquestioning faith or belief, approaching this area of human inquiry with the same objectivity achieved elsewhere in the humanities: requiring fairness with regard to the evidence, respect for reasonable differences in points of view and the avoidance of any attempts to proselytize.

With differing world cultures coming into contact ever more frequently in every field of endeavor, a religious studies undergraduate degree proves highly relevant. It allows students to discover, examine and gain insight into and sensitivity toward the socio-political-religious similarities and differences in world cultures.

The religious studies major at Cal Poly Humboldt is unique in its exploratory nature. Courses cover a variety of subjects, offering the opportunity to understand the meaning of religion as it has been developed both culturally and personally.

### Requirements for the Bachelor's Degree

A bachelor's degree requires a total of 120 units. Students must fulfill General Education & All-University Requirements, residency, unit, and GPA requirements as outlined in the Bachelor's Degree Requirements.

### Requirements for the Major (33-35 Units)

#### Introduction

- RS 105 - World Religions Units: 3
- RS 120 - Exploring Religion Units: 3

#### Religion in Tradition

Complete five courses from the following:

- RS 301 - Religion in America Units: 3

### Religion in Myth, Culture and Experience

Complete 9 units from the courses listed below, including at least one experiential workshop. No more than 3 units from experiential workshops.

- RS 300 - Living Myths Units: 3
- RS 361 - Environment and Religion Units: 3
- RS 393 - Religion in Myth, Culture and Experience: Special Topics Units: 3
- RS 394 - Religious Studies Workshop Units: 1-3  
Topics include: Sufi Mysticism Weekend, Jewish Spirituality Weekend Eastern Orthodox Christianity Weekend, City of 10,000 Buddhas Weekend, Evangelical Christianity Experiential Weekend, Tibetan Buddhism Weekend, Finding Meaning on an Endangered Planet, Zen Experiential Weekend, Wiyot
- NAS 302 - Oral Literature and Oral Tradition Units: 3

### Senior Seminar

- RS 395 - Senior Seminar Units: 3

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## Social Work, B.A.

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The BA program is a professional preparation program rooted in the liberal arts. Students develop knowledge, values, and skills to work with people from diverse cultural, ethnic, and personal backgrounds. The program is fully accredited with the Council on Social Work Education.

Social work students have opportunities to work with local agencies through a highly individualized field experience program. Students find this helpful in building skills and obtaining jobs following graduation. The program emphasis is work with rural and indigenous communities.

Potential careers: services to children, families, and the elderly; rehabilitation; health care; community practice; youth work; corrections; employment services; substance abuse, mental health, and residential treatment.

### Generalist Social Work Practice

Generalist social work practitioners work with individuals, families, groups, organizations, social policies, and communities in a variety of settings in pursuit of social and economic justice. Generalist practitioners view people and systems from a strengths perspective in order to recognize, support, and build upon the innate capabilities of all human beings. They engage, assess, broker services, advocate, counsel, educate, and organize with and on behalf of individuals, families, and collections of people. Generalist practitioners engage in community development, organizational development, and evaluation in order to ensure that services are useful, effective, and ethical.

### Program Admission Requirements



Lower division GE courses required for the major can be taken at a community college and can be taken CR/NC. Program faculty can advise students on courses preparing them for their transfer to Humboldt's Social Work program. For information and/or appointments, call 707-826-4448.

To be eligible to register for junior-level courses in the social work major, students must have completed, or be in the process of completing, all prerequisites. A cumulative 2.00 GPA and a 2.00 in all social work courses is necessary to be fully accepted to the program. Students who meet the prerequisites must submit a "Social Work Major Application". The form and application deadlines are available on the Department of Social Work website.

Notification of acceptance will be made prior to the registration period for fall classes. All students accepted into the program will be required to attend a orientation the first week of fall semester.

Full acceptance into junior year coursework requires students to meet all of the admission standards and to submit the formal application. Provisional status may be granted to any student who does not meet requirements. Students who are given a provisional status must work out a plan with their faculty advisor that identifies those areas requiring improvement and how each area will be addressed in order to be accepted as a social work major.

## Requirements for the Bachelor's Degree

A bachelor's degree requires a total of 120 units. Students must fulfill General Education & All-University Requirements, residency, unit, and GPA requirements as outlined in the Bachelor's Degree Requirements.

## Requirements for the Major (60 Units)

The upper division general education area D requirement is met by the coursework within the Bachelor of Arts degree with a major in Social Work.

Courses prepare students for professional generalist social work and are sequenced to best facilitate learning and acquisition of skills. Upper division major coursework always begins in the Fall semester.

## Prerequisite courses for acceptance to the Social Work B.A. Major:

- SW 101 - Introduction to Social Work and Social Work Institutions Units: 3

### Complete one course.

- NAS 104 - Introduction to Native American Studies Units: 3
- ES 105 - Introduction to US Ethnic Studies Units: 3
- CRGS 108 - Power/Privilege: Gender and Race, Sex, Class Units: 3
- or a course that is centrally organized around a theme related to the experiences of marginalized groups.

### Complete one course.

- STAT 108 - Elementary Statistics Units: 3
- STAT 108I - Elementary Statistics with Integrated Support Units: 3
- PSYC 109 - Introduction to Psychological Statistics Units: 4

## Upper Division Courses

### Juniors - Fall

- SW 340 - Social Work Methods I Units: 3
- SW 340L - Social Work Methods I Lab Units: 1
- SW 350 - Human Behavior and the Social Environment I Units: 4

- SW 355 - Social Agency Experience Units: 2 [may be taken in spring or fall]
- SW 382 - Social Work Research Units: 4

### Juniors - Spring

- SW 330 - Social Work Policy Units: 4
- SW 341 - Social Work Methods II Units: 3
- SW 341M - Social Work Methods II Lab Units: 1
- SW 351 - Human Behavior and the Social Environment II Units: 4
- SW 355 - Social Agency Experience Units: 2 [may be taken in fall or spring]
- SW 356 - Social Work Field Preparation Units: 1

### Seniors - Fall

- SW 455 - Field Experience Units: 5
- SW 456 - Field Experience Seminar Units: 2
- plus 3 units of advanced social work methods courses (see below).

### Seniors - Spring

- SW 455 - Field Experience Units: 5
- SW 456 - Field Experience Seminar Units: 2
- plus 3 units of advanced social work methods courses (see below).

## Advanced Social Work Methods Courses

Complete 6 units of advanced social work methods courses are to be taken in the senior year.

Courses include:

- SW 411 - Distributed Learning Community - BA Units: 1.5
- SW 442 - Advanced Social Work Methods Units: 3
- SW 480 - Special Topics Units: 0.5-4
- SW 499 - Directed Study Units: 1-3

## Field Experience

Field experience courses are restricted to social work majors. Academic credit for life experience or previous work experience shall not be given, in whole or in part, in lieu of any required social work courses.

## Program Learning Outcomes

Students completing this program will have demonstrated the ability to:

- demonstrate ethical and professional behavior, particularly with respect to work with indigenous and rural communities
- engage diversity and difference in practice, particularly with respect to work with indigenous and rural communities
- advance human rights and social, economic, and environmental justice, particularly with respect to work with indigenous and rural communities
- engage in practice-informed research and research-informed practice, particularly with respect to work with indigenous and rural communities
- engage in policy practice, particularly with respect to work with indigenous and rural communities.
- engage with individuals, families, groups, organizations, and communities, particularly with respect to work with indigenous and rural communities
- assess individuals, families, groups, organizations, and communities, particularly with respect to work with indigenous and rural communities

- intervene with individuals, families, groups, organizations, and communities, particularly with respect to work with indigenous and rural communities
- evaluate practice with individuals, families, groups, organizations, and communities, particularly with respect to work with indigenous and rural communities
- Humboldt's BA program recognizes specific social work competencies and behaviors as the framework for social work education. Visit the Social Work website for information.

- SOC 372 - Proseminar Units: 1  
**OR**
- SOC 472 - Graduate School Planning Units: 1
- SOC 382 - Introduction to Social Research Units: 4
- SOC 410 - Contemporary Social Theory Units: 4

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## Sociology, B.A.

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Sociology students find an active and supportive departmental culture that surrounds coursework in sociological theory, methods, and current social issues. The program provides students with the necessary tools to analyze social interactions, systems, and structures. Department faculty members have a strong commitment to social justice that shapes course offerings and content. The program examines historical and contemporary understandings of race, class, gender, disability, and sexuality with the stated intent of pushing students to reimagine what they thought they already knew.

Sociology does not seek to produce one form of knowledge; rather, it seeks to understand the social processes through which knowledge is produced. Thus, emphasis is placed on developing critical thinking, problem solving, and analytical skills.

Due to the breadth, adaptability, and practical applications of sociology, students with a B.A. in Sociology choose to work in many different sectors: non-profit, private business, social services, education, health services, public relations, criminal justice, and government. Service learning, capstone internships, and faculty-supervised research are integrated into the curriculum. The Sociology Student Association, and outreach organizations on campus such as YES House, creates additional opportunities for students to connect with each other, faculty, and local community organizations.

We recommend that students who are interested in this major take math, writing and social science courses (history, psychology, sociology) in high school.

### Requirements for the Bachelor's Degree

A bachelor's degree requires a total of 120 units. Students must fulfill General Education & All-University Requirements, residency, unit, and GPA requirements as outlined in the Bachelor's Degree Requirements.

### Requirements for the Major (47 Units)

Students must complete all courses for the major with a grade of C- or better.

#### Lower Division (11 Units)

- SOC 104 - Introduction to Sociology Units: 3
- STAT 108 - Elementary Statistics Units: 3  
**OR**
- STAT 108I - Elementary Statistics with Integrated Support Units: 3
- SOC 225S - Social Issues and Action Units: 4
- SOC 282L - Sociological Statistics Lab Units: 1

#### Upper Division (17 Units)

- SOC 303 - Race and Inequality Units: 3
- SOC 303M - Race and Inequality for Majors Units: 1
- SOC 310 - Sociological Theory Units: 4

### Knowledge Based Requirements (16 Units)

Complete four courses with at least one from chosen from each category. Students may request that a sociology course not listed be approved to count in one of the knowledge areas below. No more than 8 units of upper division SOC courses that have GE designations can be counted toward the major.

#### Inequalities and Change

- SOC 305 - Global Transformations Units: 3 and
- SOC 305M - Global Transformations for Majors Units: 1
- SOC 316 - Gender and Society Units: 4
- SOC 321 - Sociology of Sport Units: 4
- SOC 350 - Social Movements Units: 4
- SOC 466 - Migration and the Global Economy Units: 4
- SOC 480 - Special Topics Units: 1-4

#### Environment

- SOC 302 - Forests and Culture Units: 3 and
- SOC 302M - Forests and Culture for Majors Units: 1
- SOC 320 - Environmental Sociology Units: 4
- SOC 363 - Environmental Crime Units: 4
- SOC 370 - Environmental Inequality and Globalization Units: 4
- SOC 480 - Special Topics Units: 1-4

#### Communities and Identity

- CRIM 420 - Drugs and Society Units: 4
- SOC 306 - The Changing Family Units: 3 and
- SOC 306M - The Changing Family for Majors Units: 1
- SOC 308 - Sociology of Altruism and Compassion Units: 3 and
- SOC 308M - Sociology of Altruism and Compassion for Majors Units: 1
- SOC 330 - Social Deviance Units: 4
- SOC 411 - Popular Culture Units: 4
- SOC 475 - Community Organizing Units: 4
- SOC 480 - Special Topics Units: 1-4

### Capstone (3 Units)

Complete one course from the following

- SOC 482 - Internship Units: 3
- SOC 492 - Senior Thesis Units: 3

### Weekend Workshops:

The Department of Sociology offers 1-2 unit weekend workshops around pressing social issues and popular topics. We encourage our students to enroll in these workshops, but the units may not be counted as part of the required 47-48 unit major requirement. Exception: A student who needs to "make up" 1-2 units for 3-unit courses transferred from another college or university.

### Sociology, B.A. Program Learning Outcomes

Students completing this program will:

- effectively communicate orally about social science theory and methods (oral communication)
- effectively communicate in writing about social science theory and methods (information literacy)
- identify systems of power and privilege and methods for creating diverse, inclusive, and just communities (social justice)
- explain the relationships between communities, social systems, institutions, and the natural world (sustainability)
- evaluate research designs and analytic techniques (critical thinking - methods)

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## Spanish, B.A.

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All classes are taught in Spanish, from basic to advanced levels, with all four linguistic skills emphasized: listening, speaking, reading, and writing. Courses in literature and civilization provide the opportunity for critical understanding of the cultural heritage of the Spanish-speaking world, including the US.

Social events, weekend retreats, literary workshops, and discussions on social and political contemporary issues provide ample opportunity for faculty and students to interact.

Graduates of this program have found careers as: teachers, interpreters, literary or technical translators, international bankers or financiers, travel agents, foreign service officers, foreign correspondents, and airline employees. Many county, state, and federal agencies offer jobs for which knowledge of Spanish is either desirable or required.

Special Scholarship and Awards. The Department of World Languages and Cultures has three permanent scholarships and awards:

- The Benavides-Garb Family International Travel Award Spanish
- The Joe and Helen Bottino Memorial Travel Award
- The Frank B. Wood Scholarship

All language students are encouraged to apply for these important scholarships and awards to enhance language studies with an international residence. Information is available on the Department of World Languages and Cultures website.

### Certified Education Program

This program is certified by the California Commission on Teacher Credentialing (CCTC). Students who successfully complete this program will have demonstrated subject matter competency in Spanish and therefore, will not be required to take the California Subject Exam for Teachers (CSET) for Spanish.

SPAN 315S, taken for 3-4 units, satisfies the 45 hours of observation prerequisite by the CCTC for the multiple subject credential program and/or the single subject credential program. Consult with a Spanish program advisor.

### Spanish Advanced Placement (AP)

Students with AP credit should consult with a Spanish program advisor about selecting Spanish courses. Also discuss the possibility of counting Spanish AP credit towards the Spanish minor or, under special circumstances, the major.

### California Seal of Biliteracy (CSB)

Students who have successfully earned the CSB should enroll in upper division Spanish courses at the 300 level and may be granted credit for the Spanish minor through the Cal Poly Humboldt "Credit by Examination" policy with appropriate documentation. Under special circumstances, such credit may apply to the Spanish major. Consult with a Spanish program advisor.

### Spanish Heritage Speakers

Students who are Heritage Speakers of Spanish should not enroll in Spanish language development courses: SPAN 105, SPAN 106, SPAN 107, or SPAN 207. Instead, they should enroll in Spanish for Heritage Speakers: SPAN 108, SPAN 108S, SPAN 208, or SPAN 208S. Students

who have completed a minimum of one year of Spanish for Heritage Speakers at the high school or Community College level should take upper division Spanish courses at the 300 level. Consult with a Spanish program advisor.

## Preparation

A good background in English grammar and syntax is desirable. Previous Spanish study is welcome but not required. Students without previous Spanish language background will have the opportunity to acquire the language from the beginning, following the language and culture course sequence: SPAN 105, SPAN 106, SPAN 107, or SPAN 207. Discuss your particular level with a Spanish program advisor.

## Requirements for the Bachelor's Degree

A bachelor's degree requires a total of 120 units. Students must fulfill General Education & All-University Requirements, residency, unit, and GPA requirements as outlined in the Bachelor's Degree Requirements.

## Requirements for the Major (49 Units)

Complete 49 units of upper division major specific coursework. At least 12 units must be completed at the Cal Poly Humboldt campus.

- SPAN 310 - Spanish Advanced Oral Skills Units: 3
- SPAN 311 - Spanish Level V, Advanced Grammar and Composition Units: 4
- SPAN 321 - Advanced Writing Skills Units: 4
- SPAN 340 - Critical Reading in Spanish I Units: 3
- SPAN 341 - Critical Reading in Spanish II Units: 3
- SPAN 401 - Hispanic Civilization: Spain Units: 4
- SPAN 402 - Hispanic Civilization: Latin America Units: 4
- SPAN 435 - Spanish Applied Linguistics Units: 4
- SPAN 492 - Senior Project Units: 3
- SPAN 342 - Cervantes Units: 4 **OR**
- SPAN 343 - The Golden Age Units: 4
- SPAN 344 - Modern Hispanic Theater Workshop Units: 4 **OR**
- SPAN 345 - Hispanic Cinema Units: 4
- SPAN 346 - Borges and the Contemporary Spanish American Short Story Units: 4 **OR**
- SPAN 348 - Contemporary Hispanic Poetry Units: 4
- SPAN 347 - The "Boom" of the Latin American Novel Units: 4 **OR**
- SPAN 349 - Contemporary Spanish Novel Units: 4

## Upper Division Electives

Complete a minimum of 1 unit from the 300/400 series (which may include courses not taken in the pairs above).

## Residency Abroad Requirement

Complete an approved academic semester program abroad in a Spanish-speaking region of the Hispanic world, including Spain and/ or Latin America, equivalent to at least 12 units and normally lasting at least 10 weeks. Students are encouraged to efficiently plan their academic residency abroad to complete major and general education requirements. Program must be selected in consultation with and approved by the major advisor. Students are expected to complete their final semester in residence at Cal Poly Humboldt.

Cost of residency abroad varies according to program and world region. Be sure to understand the costs involved and plan ahead. Consult with the Cal Poly Humboldt Center for International Programs office.

Under exceptional circumstances the residency abroad requirement can be waived by the major advisor.

## Spanish, B.A. Program Learning Outcomes

Students completing this program will have demonstrated:

- analysis, acknowledgement, and respect of cultural expressions and worldviews of others
- the capacity to be responsible, productive and compassionate global citizens in a fragile world
- cultural and linguistic competency
- the ability to collaboratively formulate and solve problems
- independent and critical thinking.

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## Theatre Arts, B.A.

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The goal of the theatre arts major is to provide a solid and broad foundation of knowledge, skills, and hands-on practice in performance, design, and technology in order to prepare students for jobs in professional and not-for-profit theatre and other careers; work in community and non-professional theatre, and further graduate study.

At every level of their education, students in our program are strongly encouraged to actively participate in departmental and student productions to translate their classroom knowledge into practical learning and experience. In addition, most of our classes incorporate activities and project work. Students will begin their theatre training by approaching foundational knowledge in history, vocabulary, and other skills that will strengthen their experiential learning. They will build on their understanding of principles of performance, design, and technology in class projects and productions. As they progress through the program, students will be able to analyze productions and apply their skills and knowledge in more sophisticated and prominent ways. In their project work, students will step beyond standard solutions to develop their creative thinking and problem solving skills. Throughout their education, they develop strong collaboration skills and experiences that enhance their appreciation for the importance of team work in any endeavor.

The theatre arts major allows students the flexibility to study performance or design/ technology or a combination of the two through elective units. The major shares 6 units with the film major to explore commonalities and differences between the two popular arts. The theatre arts major prepares students for careers in theatre and offers skills essential in film, television, radio, and other production oriented fields. In addition, students in theatre develop skills in problem solving, teamwork, creative processing, collaboration, accountability, and communication of ideas: skills and practices demanded in a wide range of careers.

Our annual theatre production season involves students at all levels in a variety of plays by the masters, contemporary playwrights, and students. Musical productions, in collaboration with the Music Department, provide opportunities for students every year.

Humboldt's production facilities include a 750-seat proscenium theatre, two smaller studio theatres, and an intimate thrust theatre. The program participates in the Kennedy Center American College Theater Festival and the United States Institute for Theatre Technology.

Learn more about our program on the Theatre Arts website.

## Requirements for the Bachelor's Degree

A bachelor's degree requires a total of 120 units. Students must fulfill General Education & All-University Requirements, residency, unit, and GPA requirements as outlined in the Bachelor's Degree Requirements.

## Requirements for the Major (48 Units)

A minimum grade of C- is required for all courses in the major.

- TA 104 - Story Through Word and Image Units: 4
- TA 105 - Acting 1: Principles of Performance Units: 3
- TA 221 - Makeup for Stage and Screen Units: 2
- TA 237 - Production Techniques Units: 3
- TA 328 - Production Practicum Units: 1 [1 unit course taken for 4 semesters]
- TA 340 - Theatre History and Criticism I Units: 4
- TA 341 - Theatre History and Criticism II Units: 4
- TA 451 - Principles of Stage Directing Units: 4
- TA 494 - Senior Seminar Units: 2
  
- TA 331 - Scenic Design and Art Direction Units: 4 or
- TA 333 - Lighting Design Stage and Screen Units: 4 **OR**
- TA 336 - Costume Design Stage and Screen Units: 4

## Elective Courses

Complete 14 units selected from the following:

- TA 215 - Acting 2: Principles of Voice and Movement Units: 4
- TA 231 - Production and Stage Management Units: 2
- TA 315 - Advanced Principles of Acting for the Stage Units: 4
- TA 331 - Scenic Design and Art Direction Units: 4
- TA 333 - Lighting Design Stage and Screen Units: 4
- TA 336 - Costume Design Stage and Screen Units: 4
- TA 367 - Performance Workshop Units: 1-4 [2 unit limit toward degree]
- TA 377 - Kennedy Center American College Theatre Festival Units: 1
- TA 387 - Design and Technology Workshop Units: 1-4
- TA 415 - Acting for the Camera Units: 4
- TA 480 - Special Topics in Theatre Arts Units: 1-4

## Program Learning Outcomes

Students completing this program will be able to:

- appropriately use vocabulary and historical knowledge from a wide range of theatre sub-disciplines;
- apply concepts of performance, design and technology;
- analyze and evaluate scripts and projects and contribute to department productions;
- create new designs, scripts, interpretations, and solutions;
- apply principles of effective communication and collaboration

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## Undeclared

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Students who are still determining what major options fit them best have the option to be "Undeclared" while at Cal Poly Humboldt. Every semester hundreds of students choose to take advantage of this option. Being Undeclared gives you the support and encouragement to explore your values, interests and goals as they relate to you personally, academically, and professionally. By doing this you can identify, and declare with confidence, the best major fit for you.

As an Undeclared student, you will receive academic advising from a full-time professional advisor. Whether you are narrowing down your many interests, deciding between a few main interests, or discovering your interests, you will be guided, encouraged, and supported through

your exploration by your academic advisor from the Academic and Career Advising Center (ACAC).

While Undeclared, you have an excellent opportunity to make progress towards your degree by completing general education and other all-university requirements. Students at Cal Poly Humboldt must declare a major by the time they have earned 45 semester units. Learn more about being undeclared on the Undeclared Resources webpage.

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## Wildlife, B.S.

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Humboldt's wildlife students have the advantage of living close to the ocean, wetlands, and many wildlife sanctuaries. Nearly five million acres of national forest, parks, and public wilderness lands offer hands-on study of wildlife, ecology, and management. Students frequently take field trips to surrounding wildlife areas and focus on laboratory study.

Humboldt's graduates do well as: wildlife biologists, soil scientists, wildlife managers, wildlife refuge managers, park rangers, naturalists, preserve managers, fish and game wardens, conservation officers, fisheries technicians, forestry technicians, range conservationists, agricultural inspectors, and environmental planners.

Preparation: In high school take mathematics, chemistry, biology, and any environmental studies that may be available. Students are expected to be proficient in computer applications.

### Requirements for the Bachelor's Degree

A bachelor's degree requires a total of 120 units. Students must fulfill General Education & All-University Requirements, residency, unit, and GPA requirements as outlined in the Bachelor's Degree Requirements.

### Conservation Biology/Applied Vertebrate Ecology Concentration

#### Lower Division (30 Units)

##### Life Sciences

- BIOL 105 - Principles of Biology Units: 4
- BOT 105 - General Botany Units: 4
- ZOOL 110 - Introductory Zoology Units: 4

##### Physical Sciences

- CHEM 107 - Fundamentals of Chemistry Units: 4
- CHEM 128 - Introduction to Organic Chemistry Units: 3

##### Mathematics

- MATH 105 - Calculus for the Biological Sciences and Natural Resources Units: 3
- STAT 109 - Introductory Biostatistics Units: 4

##### Conservation, Policy & Administration

- WLDF 210 - Introduction to Wildlife Conservation and Administration Units: 3
- WLDF 244 - Wildlife Policy and Animal Welfare Units: 1

#### Upper Division (46-48 Units)

- BOT 330 - Plant Ecology Units: 2
  - BOT 330L - Plant Ecology Lab Units: 1
  - BIOL 340 - Genetics Units: 4
- OR**
- FISH 474 - Conservation Genetics of Fish and Wildlife Units: 4
  - BOT 350 - Plant Taxonomy Units: 4
  - WLDF 301 - Principles of Wildlife Management Units: 3

- WLDF 311 - Wildlife Techniques Units: 4
- WLDF 365 - Ornithology I Units: 3
- WLDF 460 - Conservation Biology Units: 3
- ZOOL 356 - Mammalogy Units: 3

#### Life Forms & Applied Science/Mgmt.

##### Complete one of the following courses:

- WLDF 420 - Wildlife Management (Waterfowl) Units: 3
- WLDF 422 - Wildlife Management (Mammals) Units: 3
- WLDF 423 - Wildlife Management (Nongame Wildlife) Units: 3

#### Habitat Ecology/Management

##### Complete one of the following courses:

- WLDF 430 - Ecology and Management of Wetland Habitats for Wildlife Units: 3
- WLDF 431 - Ecology and Management of Upland Habitats for Wildlife Units: 3

#### Advanced Classes

##### Complete two of the following courses:

- WLDF 450 - Principles of Wildlife Diseases Units: 3
- WLDF 464 - Urban Wildlife Ecology Units: 3
- WLDF 468 - Spatial Wildlife Ecology Units: 3
- WLDF 475 - Wildlife Ethology Units: 3
- WLDF 478 - Ecology of Wildlife Populations Units: 3

#### Capstone Classes

- WLDF 485 - Senior Seminar in Wildlife Management Units: 1

##### Complete one of the following:

- WLDF 490 - Honors Thesis Units: 3
- WLDF 492S - Senior Project, Service Units: 3
- WLDF 495 - Senior Project Units: 3

#### Elective Course

##### Complete one of the following courses:

- GSP 270 - Geographic Information Science (GIS) Units: 3
- FISH 310 - Ichthyology Units: 4
- STAT 333 - Linear Regression Models/ANOVA Units: 4
- STAT 406 - Sampling Design and Analysis Units: 4
- STAT 504 - Multivariate Statistics Units: 4
- ZOOL 310 - Animal Physiology Units: 4
- ZOOL 314 - Invertebrate Zoology Units: 5
- ZOOL 354 - Herpetology Units: 4
- ZOOL 358 - General Entomology Units: 4

### Wildlife Management and Conservation Concentration

#### Lower Division (31 Units)

##### Life Sciences

- BIOL 105 - Principles of Biology Units: 4
- BOT 105 - General Botany Units: 4
- ZOOL 110 - Introductory Zoology Units: 4

##### Physical Sciences

- CHEM 107 - Fundamentals of Chemistry Units: 4

##### Complete one of the following:

- CHEM 110 - General Chemistry II Units: 5

- CHEM 128 - Introduction to Organic Chemistry Units: 3
- GSP 270 - Geographic Information Science (GIS) Units: 3
- PHYX 106 - College Physics: Mechanics and Heat Units: 4
- SOIL 260 - Introduction to Soil Science Units: 3

### Mathematics

- MATH 102 - Algebra and Elementary Functions Units: 4
- STAT 109 - Introductory Biostatistics Units: 4

### Conservation, Policy & Administration

- WLDF 210 - Introduction to Wildlife Conservation and Administration Units: 3
- WLDF 244 - Wildlife Policy and Animal Welfare Units: 1

### Upper Division (38 Units)

- BOT 330 - Plant Ecology Units: 2
- BOT 350 - Plant Taxonomy Units: 4
- WLDF 301 - Principles of Wildlife Management Units: 3
- WLDF 311 - Wildlife Techniques Units: 4
- WLDF 365 - Ornithology I Units: 3
- ZOOL 356 - Mammalogy Units: 3

#### Complete one of the following:

- PHIL 302 - Environmental Ethics Units: 3
- WLDF 309 - Case Studies in Environmental Ethics Units: 3
- ESM 425 - Environmental Impact Assessment Units: 3

#### Complete one of the following:

- ZOOL 354 - Herpetology Units: 4
- FISH 310 - Ichthyology Units: 4
- ZOOL 314 - Invertebrate Zoology Units: 5
- ZOOL 358 - General Entomology Units: 4

### Life Forms & Applied Science/Management

#### Complete two of the following courses:

- WLDF 420 - Wildlife Management (Waterfowl) Units: 3
- WLDF 422 - Wildlife Management (Mammals) Units: 3
- WLDF 423 - Wildlife Management (Nongame Wildlife) Units: 3

### Habitat Ecology/Management

#### Complete one of the following courses:

- WLDF 430 - Ecology and Management of Wetland Habitats for Wildlife Units: 3
- WLDF 431 - Ecology and Management of Upland Habitats for Wildlife Units: 3

### Advanced Classes

#### Complete two of the following courses:

- WLDF 450 - Principles of Wildlife Diseases Units: 3
- WLDF 460 - Conservation Biology Units: 3
- WLDF 464 - Urban Wildlife Ecology Units: 3
- WLDF 468 - Spatial Wildlife Ecology Units: 3
- WLDF 475 - Wildlife Ethology Units: 3

- WLDF 478 - Ecology of Wildlife Populations Units: 3

### Capstone Classes

- WLDF 485 - Senior Seminar in Wildlife Management Units: 1

### Complete one of the following:

- WLDF 490 - Honors Thesis Units: 3
- WLDF 492S - Senior Project, Service Units: 3
- WLDF 495 - Senior Project Units: 3

### Program Learning Outcomes

Students completing this program will have demonstrated:

- knowledge of theories, concepts, and identification procedures in wildlife biology
- use of appropriate evaluative techniques to develop knowledge and to examine questions when conducting wildlife/habitat investigations
- adept presentation of concepts and research findings
- appreciation of sociopolitical factors that affect wildlife conservation and management processes.

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## Zoology, B.S.

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Zoology students at Humboldt can take advantage of our well-developed vertebrate and invertebrate museums. Nearby coastlines, forests, and mountains offer opportunities for studying animals in their native habitats; we also house animals in on-campus quarters. Molecular biology facilities and electron microscopes are available for student use.

Students interested in marine life have use of Humboldt's marine laboratory, located in nearby Trinidad, and the university's research vessel, the Coral Sea.

Zoology graduates pursue such careers as: technical writer, zookeeper, environmental consultant, entomologist, herpetologist, mammalogist, health technician, animal nutritionist, laboratory technician, museum curator, science librarian.

We recommend that students who are interested in a major in zoology, take biology, chemistry, and physics (with labs, if possible) plus algebra, geometry, and trigonometry in high school.

### Requirements for the Bachelor's Degree

A bachelor's degree requires a total of 120 units. Students must fulfill General Education & All-University Requirements, residency, unit, and GPA requirements as outlined in the Bachelor's Degree Requirements.

### Requirements for the Major (72-78 Units)

Students who receive a grade below a C- in any prerequisite course will require instructor approval for enrollment.

### Lower Division (34-37 Units)

- BIOL 105 - Principles of Biology Units: 4
- BOT 105 - General Botany Units: 4
- CHEM 109 - General Chemistry I Units: 5
- CHEM 110 - General Chemistry II Units: 5
- CHEM 228 - Brief Organic Chemistry Units: 4
- PHYX 106 - College Physics: Mechanics and Heat Units: 4
- STAT 109 - Introductory Biostatistics Units: 4
- ZOOL 110 - Introductory Zoology Units: 4

- MATH 105 - Calculus for the Biological Sciences and Natural Resources Units: 3  
**OR**
- MATH 109 - Calculus I Units: 4
- PHYX 107 - College Physics: Electromagnetism and Modern Physics Units: 4  
**OR**
- PHYX 118 - College Physics: Biological Applications Units: 1

### Upper Division (38-41 Units)

- BIOL 307 - Evolution Units: 4
- BIOL 330 - Principles of Ecology Units: 4
- BIOL 340 - Genetics Units: 4
- BIOL 350 - Cell Biology Units: 3
- ZOOL 310 - Animal Physiology Units: 4

#### Animal Structure & Function

Complete one course:

- ZOOL 370 - Comparative Anatomy of the Vertebrates Units: 4
- ZOOL 430 - Comparative Animal Behavior Units: 4
- ZOOL 476 - Principles of Animal Development Units: 4

#### Invertebrate Diversity

Complete one course:

- ZOOL 314 - Invertebrate Zoology Units: 5
- ZOOL 316 - Freshwater Aquatic Invertebrates Units: 3
- ZOOL 358 - General Entomology Units: 4

#### Vertebrate Diversity

Complete one course.

- FISH 310 - Ichthyology Units: 4
- WLDF 365 - Ornithology I Units: 3
- ZOOL 354 - Herpetology Units: 4
- ZOOL 356 - Mammalogy Units: 3

### Upper Division Life Sciences Electives

Complete two courses, totaling at least 5 units, chosen in consultation with your advisor. Possible courses include the following list, or any animal structure & function; invertebrate or vertebrate diversity course listed above, if not already taken.

- BIOL 412 - General Microbiology Units: 4
- BIOL 418 - Marine Microbiology Units: 3
- BIOL 433 - Microbial Ecology Units: 3 and
- BIOL 433D - Microbial Ecology Discussion Units: 1
- BIOL 440 - Molecular Genetics Lab Units: 2
- BIOL 450 - Cell Biology Laboratory Units: 2
- BIOL 490 - Senior Thesis Units: 1-2
- BIOL 499 - Directed Study Units: 1-2
- BIOL 554 - Plant/Animal Interactions Units: 3
- BIOL 564 - Transmission and Scanning Electron Microscopy Units: 4
- BOT 350 - Plant Taxonomy Units: 4
- CHEM 438 - Introductory Biochemistry Units: 4
- FISH 380 - Techniques in Fishery Biology Units: 3

- FISH 434 - Ecology of Freshwater Fish Units: 4
- FISH 435 - Ecology of Marine Fish Units: 4
- FISH 471 - Fish Diseases Units: 3
- FISH 474 - Conservation Genetics of Fish and Wildlife Units: 4
- WLDF 450 - Principles of Wildlife Diseases Units: 3
- WLDF 460 - Conservation Biology Units: 3
- ZOOL 325 - Advanced Behavioral Neuroscience Units: 4
- ZOOL 530 - Benthic Ecology Units: 3
- ZOOL 552 - Advanced Invertebrate Zoology Units: 3
- ZOOL 556 - Marine Mammalogy Units: 4
- ZOOL 560 - Advanced Mammalogy Units: 4

### Program Learning Outcomes

Students completing this program will have demonstrated the ability to:

- apply the scientific method to questions in biology by formulating testable hypotheses, gathering data that address these hypotheses, and analyzing those data to assess the degree to which their scientific work supports their hypotheses
- present scientific hypotheses and data both orally and in writing in the formats that are used by practicing scientists
- access the primary literature, identify relevant works for a particular topic, and evaluate the scientific content of these works
- apply fundamental mathematical tools (statistics, calculus) and physical principles (physics, chemistry) to the analysis of relevant biological situations
- identify the major groups of organisms and be able to classify them within a phylogenetic framework. Students will be able to compare and contrast the characteristics of organisms that differentiate the various domains and kingdoms from one another
- use the evidence of comparative biology to explain how the theory of evolution offers the only scientific explanation for the unity and diversity of life on earth. They will be able to use specific examples to explicate how descent with modification has shaped organismal morphology, physiology, life history, and behavior
- explain how organisms function at the level of the gene, genome, cell, tissue, organ and organ-system. Drawing upon this knowledge, they will be able to give specific examples of the physiological adaptations, development, reproduction and behavior of different forms of life
- explicate the ecological interconnectedness of life on earth by tracing energy and nutrient flows through the environment. They will be able to relate the physical features of the environment to the structure of populations, communities, and ecosystems
- demonstrate proficiency in the experimental techniques and methods of analysis appropriate for their area of specialization within biology.

# Master's Programs

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## Applied English Studies, M.A.

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The M.A. in English offers a broad curriculum meant to prepare students for a range of pursuits. The program fosters the development of critical reading, writing, teaching, research and other scholarly skills through focused study of literary and cultural texts, pedagogical theory, curriculum development, composition and rhetoric, digital humanities, linguistics, and ESL/EFL. Students gain an advanced understanding of current disciplinary knowledge, including how texts circulate among audiences and how language shapes the world. We offer a variety of opportunities for hands-on learning in the form of teaching assistantships, tutoring positions, and internships in teaching, editing, librarianship curating and archiving, digital humanities, tutoring, and ESL/EFL. With an emphasis on professional development, the program expands opportunities for K-12 teachers and prepares students for Ph.D. programs and jobs in college teaching as well as careers in publishing, editing, professional writing, librarianship, digital scholarship, and teaching English abroad. Students have considerable latitude in designing master's projects that match their interests and the expertise of graduate faculty.

### More about the Program

Please see the Department of English website for more information about the program, including how to apply, and opportunities for internships and student employment.

### Requirements for the Degree (34 units)

For a description of degree requirements to be fulfilled in addition to those listed below see, "Master's Degree Requirements"

Complete 34 units of graduate work (500- 600 level) in language, composition, ESL, pedagogy, theory, literature, and digital humanities courses approved by the department. Also required: reading knowledge of one language other than English or two college semesters of the same language.

Students must earn a GPA of 3.00 in all coursework applied to the degree. (no individual grade less than B- will apply to the degree).

### Required Courses

- ENGL 536 - Problems in Form, Genre, Media Units: 4
- ENGL 546 - Reading Historically Units: 4
- ENGL 600 - Graduate Studies Introduction Units: 4
- ENGL 605 - Cultural Studies Introduction Units: 4
- ENGL 611 - Literacies and Epistemologies Units: 4
- ENGL 612 - Theory of Rhetoric and Composition Units: 4
- ENGL 614 - Teaching ESL Reading and Writing Units: 4
- ENGL 615 - Digital Humanities: Public History, Archives, and Scholarly Communication Units: 4
- ENGL 690 - Master's Project Units: 1-4 (variable units; at least 2 units required; may be repeated once if not completed in one semester for a total of 6 Units)

### Graduate Elective Courses

- ENGL 510 - Topics in Queer and Trans Studies Units: 4
- ENGL 571 - Literatures of Body, Environment, World-Building Units: 4

- ENGL 580 - Special Topics Seminar Units: 1-3
- ENGL 581 - Becoming a College-Level Instructor Units: 3
- ENGL 620 - Seminar in Critical Theory Units: 4
- ENGL 535 - English as a Second/ Foreign Language Units: 4
- ENGL 681 - Internship in Teaching Units: 2
- ENGL 682 - Internship Units: 2

### Program Learning Outcomes

Students completing this program will demonstrate the ability to:

1. Produce advanced-level, research-based analytical writing in one or more genres and/or media;
2. Demonstrate the use of a variety of interpretive strategies for analyzing multiple types of texts, including digital and new media production;
3. Locate texts in their cultural and historical contexts;
4. Examine and apply key theories and practices in reading, writing, teaching, and/or knowledge-making, including relationships between discourse, textuality, power, and social justice;
5. In the course of producing a master's thesis or project, students will define an area of inquiry and its relation to the field by grounding the work in appropriate theory.

### Graduate Coordinator

Janet Winston, Ph.D.  
Founders Hall 213  
707-826-3913  
Janet.Winston@humboldt.edu

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## Biology, M.S.

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### Program Admission Requirements

Bachelor's degree in biology, botany, zoology, or a related subject area approved by the Department of Biological Sciences.  
Undergraduate GPA at least 2.50 overall or 3.00 for the last 60 semester units of credit.  
Submitted results of the aptitude portion of the Graduate Record Examination (GRE).

### Requirements for the Degree (30 units)

For a description of degree requirements to be fulfilled in addition to those listed below, please see "Master's Degree Requirements"

### Core Courses

- BIOL 683 - Introduction to Graduate Studies Units: 1
- BIOL 684 - Introduction to Graduate Research Units: 1
- BIOL 685 - Seminar in Biology Units: 1

### Approved Elective Courses

Complete upper division or graduate units in biological sciences or supporting courses approved by the graduate committee to bring total to 30 units.

- A minimum of 18 units must be at the graduate level.
- BIOL 597 - Methods in Laboratory Instruction, can be used to fulfill 2 of the 30 units required for the degree, but cannot be used to fulfill any of the 18 graduate-level units.

### Culminating Experience



While in residence, students must enroll in a minimum of 2 units of BIOL 690 and/or BIOL 699 per semester. \*Combined total of not less than 4 nor more than 8 units of BIOL 690 and/or BIOL 699 (with a maximum of 6 units in BIOL 690) and a thesis or project approved by the graduate committee. An oral public presentation of the thesis or project work and a defense of the thesis or project before the graduate committee are required.

- BIOL 690 - Thesis Units: 1-4  
OR
- BIOL 699 - Independent Study Units: 1-4

## Biology, M.S. Program Learning Outcomes

Graduate students will:

- apply a rich body of relevant biological sciences knowledge and information to solve complex scientific problems and challenges
- present a proposal for biological research or project of their own design
- conduct a unique and independent biological investigation or an independent project according to the rigors and conventions of the field
- communicate the results of their scientific investigation or project in an oral format according to conventions of the discipline
- communicate the results of their scientific investigation or project in writing according to the conventions of the discipline

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## Business Administration, M.B.A.

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Sustainability is the most important issue of the 21st century. Businesses today are looking for ways to minimize their social and environmental impact while remaining economically viable. As a result, they are looking to hire a new type of MBA graduate - one with the skills and desire to promote economic environmental and social responsibility within their organization. The program focuses on the long-term strategic elements of sustainability.

Our MBA is designed for students from all undergraduate majors. For students with an undergraduate major in the natural, environmental, or social sciences, adding functional business skills to their existing degree can help boost career success. The graduate program can be completed in one year for full time students. Our MBA program builds on that tradition by challenging our students to grow into innovative and responsible business leaders. Qualified students admitted to the program may receive a scholarship and qualified students may receive a paid internship.

Current MBA admission requirements are available on the School of Business: Master of Business Administration website.

### Program Pre-requisite Courses

Applicants must complete all prerequisites (or equivalent) before enrolling in MBA courses.

BA 250, ECON 210, BA 360 and STAT 108

### Requirements for the Degree (32 units)

For a description of degree requirements to be fulfilled in addition to those listed below, see "Master's Degree Requirements".

Graduate students must maintain a 3.00 minimum GPA. No grade less than a B- will count for progress toward the degree.

## Required Courses

Complete all the following courses.

### Fall Semester (12 Units)

- MBA 605 - Strategic Sustainability Foundations Units: 4
- MBA 610 - Research Methods Units: 4
- MBA 620 - Accounting for Corporate Social Responsibility Units: 4

### Spring Semester (12 Units)

- MBA 630 - Marketing Management for Shared Value Units: 4
- MBA 640 - Financial Management for Sustainable Growth Units: 4
- MBA 650 - Designing Sustainable Organizations Units: 4

### Summer Capstone Term (8 Units)

- MBA 675 - Sustainability/Ethics Units: 4
- MBA 679 - Strategic Analysis Units: 4
- MBA 691 - MBA Comprehensive Exam Units: 0 \*

\*Master's Capstone Project (MBA 692) available upon approval of the MBA program coordinator and faculty advisor at the beginning of the program.

### Optional

- MBA 682 - Business Internship Units: 1-4

## Business Administration, M.B.A. Program Learning Outcomes

Students completing this program will have demonstrated the ability to:

- integrate core business functions with sustainability concepts and frameworks
- apply and evaluate a variety of empirical methods to analyze/test strategic sustainability business issues
- think critically and engage in ethical reasoning
- communicate complex business and sustainability concepts clearly and persuasively in writing, presentation, and teamwork

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## Counseling Psychology, M.A.

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This program prepares individuals for the independent professional practice of psychological counseling, involving the rendering of therapeutic services to individuals and groups experiencing psychological problems and exhibiting distress symptoms. It includes instruction in counseling theory, therapeutic intervention strategies, patient/counselor relationships, testing and assessment methods and procedures, group therapy, marital and family therapy, child and adolescent therapy, supervised counseling practice, ethical standards, multicultural counseling, and applicable regulations.

The Master of Arts in Counseling Psychology is accredited by the California Board of Behavioral Sciences and provides most coursework for the Marriage and Family Therapist (MFT) and Licensed Professional Clinical Counselor licenses. Successful completion will allow the candidate to apply for internship status with the Board to accrue the post-degree hours of supervised practice necessary for state licensure.

Program Coordinators

Carrie Aigner, Ph.D.

Jen Petullo, M.A., LMFT.

(707) 826-3757

## Program Admission Procedure and Requirements

All applicants apply to the university through Cal State Apply. To be eligible for admission to the program, candidates must:

- hold a bachelor's degree with a minimum GPA of 3.00
- have some experience in human services and/or research
- have goals that match the program's objectives and the potential for becoming an effective and ethical psychotherapist
- submit a resume, a prerequisite verification form, and three letters of recommendation demonstrating academic and professional potential. At least one from faculty, the others can come from employers or professionals.
- demonstrate excellence in oral and written communication

## Prerequisites for Program Admission

The following courses (or equivalent) must be completed before the start of the program:

- PSYC 104 - Introduction to Psychology Units: 3
- PSYC 109 - Introduction to Psychological Statistics Units: 4
- PSYC 240 - Foundations of Research Methods in Psychology Units: 3
- PSYC 342 - Application of Research Methods in Psychology Units: 4
- At least two courses in: abnormal psychology, human development, personality theory, neuroscience, cognitive psychology, interviewing and counseling.

## Requirements for the Degree (60 Units)

For a description of degree requirements to be fulfilled in addition to those listed below see, "Master's Degree Requirements".

The program requires recommendation by the department for advancement to candidacy. A minimum GPA of 3.00 in all work counted toward the degree, with no grade lower than a B- is required.

## Sample Schedule

### First Semester (13 Units)

- PSYC 641 - Research Methods: Philosophy and Design Units: 3
- PSYC 654 - Interviewing and Counseling Techniques Units: 3
- PSYC 658 - Theories of Individual Counseling and Psychotherapy Units: 3
- PSYC 660 - Law and Ethics in Psychology Units: 3
- PSYC 662 - Practicum Preparation Units: 1

### Second Semester (16-18 Units)

- PSYC 518 - Advanced Developmental Psychopathology Units: 3
- PSYC 638 - Diagnosis of Mental Disorders Units: 3
- PSYC 642 - Research Methods: Evaluation Units: 2
- PSYC 656 - Couples Therapy Units: 3 (includes spousal abuse treatment requirement)
- PSYC 682 - Fieldwork Units: 1-6 (to include individual supervision, 5 units are required)
- Optional: PSYC 690 - Thesis Units: 1-6 (If the thesis option is chosen, enroll in 2 units)  
Thesis Timetable: Hold proposal meeting and submit IRB proposal.

### Third Semester (15-17 Units)

- PSYC 653 - Advanced Psychotherapy with Children and Families Units: 3
- PSYC 664 - Assessment and Testing for Psychotherapists Units: 3
- PSYC 676 - Multicultural Counseling Units: 3
- PSYC 682 - Fieldwork Units: 1-6 (5 units are required)
- Optional: PSYC 690 - Thesis Units: 1-6 (if thesis option is chosen, enroll in 2 units)  
Thesis Timetable: Collect data and complete analysis

### Fourth Semester (16 Units)

- PSYC 636 - Sexuality Counseling Units: 1
- PSYC 640 - Aging and Long-Term Care Units: 1
- PSYC 657 - Group Counseling and Group Psychotherapy Units: 3
- PSYC 672 - Psychopharmacology Units: 3
- PSYC 673 - Mental Health Addiction and Recovery Units: 1
- PSYC 682 - Fieldwork Units: 1-6
- PSYC 691 - Comprehensive Exam for Counselors Units: 0
- approved elective to reach a minimum of 60 total units  
**OR**
- Optional: PSYC 690 - Thesis Units: 1-6 (if thesis option is chosen, enroll in 2 units)  
Thesis Timetable: Week 1: Begin writing final draft early in the semester. Week 5: Completed first draft to thesis chair for review. Week 9: Final draft to committee for review. Weeks 10-13: Hold Oral Defense Meeting.

## Culminating Experience (Select one)

### Comprehensive Examination Option

A comprehensive examination is an assessment of the student's ability to integrate the knowledge of the area, show critical and independent thinking, and demonstrate mastery of the subject matter. The results of the examination evidences independent thinking, appropriate organization, critical analysis and accuracy of documentation. A record of the examination questions and responses shall be maintained in accordance with the records retention policy of The California State University.

The comprehensive exam is the culminating experience to demonstrate knowledge gained during the graduate program by demonstrating an understanding of the broad skills utilized by therapists, including an understanding of the 10 major domains of the Counseling Psychology M.A. program. This examination will cover the graduate coursework taken at Cal Poly Humboldt across the areas of: research; assessment, diagnosis and treatment of psychopathology; individual, group, family, and couples counseling; laws and ethics; cross-cultural counseling; development across the lifespan. The examination is designed to reveal the student's knowledge of cultural, legal, ethical, and professional issues faced by practicing therapists as well as assessment, identification, diagnosis, intervention, and current research related to the practice of marriage and family therapists. Students will be evaluated on the level of their knowledge as well as their ability to express their knowledge in acceptable written form.

### Thesis Option

A thesis is the written product of a systematic study of a significant problem. It identifies the problem, states the major assumptions, explains the significance of the undertaking, sets forth the sources for and methods of gathering information, analyzes the data, and offers a conclusion or recommendation. The finished product evidences originality, critical and independent thinking, appropriate organization and format, and thorough documentation. Normally, an oral defense of the thesis is required.

Students are required to take PSYC 109 as a prerequisite writing a thesis. A graduate statistics course PSYC 578 and/or PSYC 588 is strongly recommended. Students must be enrolled in specific research and/or supervision courses, PSYC 682 or PSYC 690 every semester during which the thesis work is being conducted.

If a student chooses the thesis option for their culminating experience, they will select a thesis topic and locate a faculty member interested in the thesis topic to serve as committee chair. In consultation with the chair, the student will identify faculty as potential members of the thesis committee. The student is responsible for understanding all aspects of the research, including the statistics and computer methods. In the thesis proposal, the design and statistical analysis should be presented in detail. The student will be expected to demonstrate understanding of these matters at the final oral thesis defense.

**Major Notes:** Some 1-unit courses may be offered as a weekend course or on a Friday.

Students who are unable to complete the required number of practicum hours by the end of their fourth semester, must register for an additional semester of PSYC 682 and PSYC 663.

## Program Learning Outcomes

Students completing this program will have demonstrated:

- workable knowledge of standard psychotherapeutic techniques
- knowledge of and conformance to the laws, regulations, and professional ethics related to the practice of a master's level psychotherapist
- the ability to understand and utilize research related to the field of counseling psychology
- appreciation and knowledge of issues of race, gender, ethnicity, sexual orientation, and religions as they relate to providing effective psychotherapeutic interventions.

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## Education, M.A.

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The master's in education is designed for educational professionals interested in deepening their understanding of important issues and developing more effective strategies to meet the needs of students of all ages. The program offers extensive support from colleagues and faculty, a collaborative environment, and a curriculum delivered online (in the evenings) for working professionals. The program is designed to allow students to tailor their work towards developing expertise in an area of interest on a broad array of topics, from improving communication through infant massage to models of teacher leadership in managing schools.

To be admitted candidates must: (1) hold an acceptable baccalaureate degree from a regionally accredited institution (or equivalent academic preparation); (2) be in good academic standing at the last university attended; and (3) have a GPA of at least 3.00 in the last 60 semester units (90 quarter units) attempted.

If the bachelor's degree is from a postsecondary institution where English is not the principal language of instruction, score at least 550 on the Test of English as a Foreign Language (TOEFL).

Additional information is available on the School of Education website.

## Requirements for the Degree (30 units)

### Core Courses (18 Units)

EDUC 610 - Education in Society Units: 3  
EDUC 620 - Pedagogy: Practice and Research Units: 3  
EDUC 645 - Academic Writing in Education Units: 2  
EDUC 655 - Educational Research Units: 3

EDUC 682 - Mixed Methods in Education Research Units: 4

EDUC 690 - Thesis Units: 1-3 (3 units required)

**OR**

EDUC 692 - Master's Project Units: 1-3 (3 units required)

### Area of Emphasis (12 Units)

Complete an additional 12 units of emphasis courses selected in consultation with an advisor. Up to 12 units of credit earned from elementary education, secondary education and special education post-baccalaureate credential courses or Administrative Services and Adapted Physical Education credential program courses may be used toward the requirement with advisor approval.

### Area of Emphasis Courses

Courses can include, but are not limited to the following:

#### Adapted Physical Education

- KINS 535 - Assessment Techniques Units: 2
- KINS 577 - Adapted Physical Education Programs Units: 4
- KINS 578 - Adapted Aquatics for Instructors Units: 2
- KINS 695 - Directed Field Experience Units: 1-6

#### Educational Leadership

- EDL 642 - Curriculum: Development and Governance Units: 3
- EDL 645 - Personnel Administration and Supervision Units: 3
- EDL 646 - The Principal: Leader and Administrator Units: 3
- EDL 648 - Legal and Fiscal Aspects of School Administration Units: 3

#### Elementary Education

- EDUC 377 - Education of Exceptional Individuals Units: 2
- EED 712 - Teaching and Learning in Elementary Education Units: 1
- EED 720 - The School and the Student Units: 0.5-3
- EED 720B - The School and the Student Units: 0.5-3
- EED 721 - Multicultural Foundations Units: 0.5-2
- EED 722 - English Language Skills and Reading Units: 0.5-3
- EED 722B - English Language Skills and Reading Units: 0.5-3
- EED 723 - Integrating Math/Science in Elementary School Units: 0.5-4
- EED 723B - Integrating Math/Science in Elementary School Units: 0.5-4
- EED 724 - Fine Arts in the Integrated Elementary Curriculum Units: 0.5-1
- EED 724B - Fine Arts in the Integrated Elementary Curriculum Units: 0.5-1
- EED 728 - History/Social Science in the Integrated Elementary Curriculum Units: 0.5-2
- EED 728B - History/Social Science in the Integrated Elementary Curriculum Units: 0.5-2
- EED 733 - Teaching English Learners Units: 1
- EED 733B - Teaching English Learners Units: 1
- EED 741 - Health and PE Curriculum in Elementary School Units: 2

#### Secondary Education

- SED 712 - Teaching and Learning in Secondary Schools Units: 2
- SED 714 - Educational Psychology Units: 2
- SED 715 - Multicultural Education Units: 2
- SED 730 - Bilingual/ELD Theory and Methods Units: 3
- SED 743 - Content Area Literacy Units: 3
- SED 776 - Teaching in Inclusive Classrooms Units: 2

## Special Education

- SPED 702 - Foundations of General and Special Education Units: 3
- SPED 703 - Foundations of Assessment and Program Planning Units: 3
- SPED 705 - Multicultural Special Education Units: 2
- SPED 706 - Applied Behavior Analysis for Teachers Units: 3
- SPED 777 - Education of Exceptional Individuals Units: 2

## Education, M.A. Program Learning Outcomes

Upon Graduation MA students will be able to:

1. demonstrate culturally sustaining frameworks and practices to the diverse needs of students, families and educational communities;
2. develop teaching practice and/or policy reflecting an integrated understanding of human development, equity and social justice, and process of learning that result in safe, positive, and productive educational environments;
3. write effectively with authority and clarity regarding their areas of expertise;
4. develop, validate, and implement research protocols and practice based on practitioner-oriented frameworks such as educational action research and community based participatory action research.

## Programs Leading to Licensure and Credentialing

Admission into programs leading to licensure and credentialing does not guarantee that students will obtain a license or credential. Licensure and credentialing requirements are set by agencies that are not controlled by or affiliated with the CSU and requirements can change at any time. For example, licensure or credentialing requirements can include evidence of the right to work in the United States (e.g., social security number or taxpayer identification number) or successfully passing a criminal background check. Students are responsible for determining whether they can meet licensure or credentialing requirements. The CSU will not refund tuition, fees or any associated costs to students who determine subsequent to admission that they cannot meet licensure or credentialing requirements. Information concerning licensure and credentialing requirements are available from the Office of Academic Affairs, Siemens Hall 216, 707-826-3722.

The California State University has not determined whether its programs meet other states' educational or professional requirements for licensure and certification. Students enrolled in a California State University program who are planning to pursue licensure or certification in other states are responsible for determining whether they will meet their state's requirements for licensure or certification. This disclosure is made pursuant to 34 CFR §668.43(a)(5)(v)(C).

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## Environmental Systems, M.S.

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This program is administered by the coordinator of the environmental systems graduate program of the College of Natural Resources and Sciences.

The Energy Technology and Policy Concentration is an interdisciplinary program for students interested in issues ranging from renewable energy engineering to climate change mitigation, and from international development to energy policy in California. The program offers a rigorous curriculum for students who are interested in making a difference in these important areas of work. Career opportunities include, energy engineer, energy policy analyst, environmental projects manager, international development worker.

The Environmental Resources Engineering Concentration focuses on the design, testing, and analysis of natural and engineered systems applied to advanced water and wastewater treatment, water resources, and

renewable energy. Career possibilities include, environmental engineer, water quality engineer, energy engineer, water resources engineer.

The Geology Concentration gives students a quantitative and qualitative background for research in applied geology during their first year. Students usually spend their summers on thesis research. The second year is devoted to research, data analysis, and writing the thesis. Career possibilities include, field geologist, engineering geologist, exploration geophysicist, hydrologist, and marine geologist.

## Program Prerequisites

Students must meet general admission requirements and:

- Hold an approved bachelor's degree for the selected concentration
- Submit a statement of objectives, including reasons for pursuing a master's degree with a particular concentration

## Concentration Specific Prerequisites

**Energy Technology and Policy Concentration:** An appropriate undergraduate degree and sufficient preparation is required. Prior coursework in areas including elementary statistics and probability, calculus, physics, and chemistry is expected. Engineering, math, and natural science students will benefit from having had at least 6 semester units of sociology, anthropology, economics, political science, or another related social science. Students who aspire to work inter-nationally should have at least one year of training in a language other than English, or equivalent experience. Students with deficient preparation will be expected to satisfy background coursework prior to beginning the program. Deficiencies may be made up concurrently with prior approval in some cases, but this may extend time in the program.

**Environmental Resources Engineering Concentration:** Applicants should have an undergraduate major in engineering (civil, mechanical, agricultural, chemical, industrial, environmental, or other) or a related physical science. Students with deficiencies in core competencies associated with Environmental Resources Engineering may be required to take prerequisite coursework.

**Geology Concentration:** Applicants should have an undergraduate major in geology or a related science. Applicants must have at least a year of college physics and a minimum of two semesters of calculus (three semesters desirable).

## Requirements for the Degree (30 Units)

For a description of degree requirements to be fulfilled in addition to those listed below see, "Master's Degree Requirements"

Complete an environmental systems program of courses arranged with a graduate advisor and approved by the faculty graduate committee. The program must include the core courses (16 units) below plus an environmental systems concentration (14 units).

## Core Requirements (16 Units)

### Colloquium

- SCI 698 - Graduate Colloquium in Environmental Systems Units: 1

### Thesis / Independent Study

Complete a combination of thesis and independent study units for a total of 9 units.

All students are required to enroll in at least one unit of ENGR/GEOL 690 or 699 every semester. A written thesis or project and public oral presentation are required. Thesis or project research is the central component of the master's degree, and these courses are intended to build students' competence in developing and implementing fundamental or applied research, and successfully reporting results. This is accomplished through mentoring with their faculty advisor and committee members.

- Students in the Energy Technology and Policy concentration enroll in ENGR 690 and ENGR 699 or thesis and independent study units aligned with their advisor/committee member's departments.  
Students in the Environmental Resources Engineering concentration enroll in:
- ENGR 690 - Thesis Units: 1-6
- ENGR 699 - Independent Study in Environmental Systems Units: 1-3

Students in the Geology concentration enroll in:

- GEOL 690 - Thesis Units: 1-6
- GEOL 699 - Independent Study Units: 1-5

### Analysis

The analysis courses are intended to help students understand analyses for data relevant to their particular projects. They are diverse in content because of the diversity of projects undertaken by students within the program. All provide both theoretical background and laboratory experience.

Complete one course.

- ENGR 322 - Environmental Data Modeling and Analysis Units: 4
- GSP 510 - Research Methods in Geospatial Science Units: 4
- STAT 630 - Data Collection and Analysis Units: 4

### Methods

The methods courses are intended to help students understand appropriate methods for their particular projects. They are diverse in content because of the diversity of projects undertaken by students within the program. All provide the background required by students pursuing research appropriate for degrees in Environmental Systems.

Complete one option (2-4 units).

- ECON 423 - Environmental and Natural Resources Economics Units: 3 and
- ECON 423D - Environmental and Natural Resources Economics - Additional Depth Units: 1
- ECON 550 - Economics of Energy and Climate Policy Units: 4
- GEOL 554 - Advanced Geology Field Methods Units: 2

## Concentrations (14 Units)

Complete one of the following concentrations:

### Energy Technology and Policy Concentration

#### Requirements

- ENGR 532 - Energy, Environment and Society Units: 4

#### Elective Requirement

Complete approved upper division and graduate level electives to bring total degree units to no fewer than 30 units. At least half of these 30 units must be courses organized and conducted at the graduate level. The following courses are approved electives, substitutions require pre-approval of your advisor and the program coordinator.

#### Non-Engineering Design Approved Electives

- ANTH 316 - Anthropology and Development Units: 4
- ANTH 317 - Gender and Development Units: 4
- ANTH 318 - Ethnography Units: 4
- CHEM 370 - Earth System Chemistry Units: 3

- ECON 423 - Environmental and Natural Resources Economics Units: 3 and
- ECON 423D - Environmental and Natural Resources Economics - Additional Depth Units: 1
- ECON 570S - Sustainable Rural Economic Development Units: 4
- ENGR 533 - Energy and Climate Change Units: 4
- ENGR 535 - Development Technology Units: 4
- ENGR 331 - Thermodynamics and Energy Systems I Units: 3
- ENGR 333 - Fluid Mechanics Units: 4
- EC 630 - Socio-Cultural Dimensions Units: 3
- EC 640 - Ecological Dimensions Units: 3
- ESM 325 - Environmental Law and Regulation Units: 3
- ESM 350 - Fundamentals of Environmental Education and Interpretation Units: 3
- ESM 355 - Principles of Ecological Restoration Units: 3
- ESM 360 - Introduction to Environmental Planning Methods Units: 3
- ESM 365 - Local Government Planning Units: 3
- ESM 370 - Energy, Technology and Society Units: 3
- ESM 425 - Environmental Impact Assessment Units: 3
- ESM 430 - Natural Resource Management in Protected Areas Units: 3
- ESM 460 - Environmental Planning for Public Lands and Rural Communities Units: 3
- ESM 462 - Coastal and Marine Planning Units: 3
- ESM 555 - Applied Ecological Restoration Units: 4
- ESM 620 - Ecosystems and Society Units: 3
- ENST 480 - Special Topics Units: 3
- FOR 423 - Wildland Fuels Management Units: 3
- FOR 430 - Forest Ecosystems Units: 3
- GEOG 357 - Climate, Ecosystems and People Units: 3 and
- GEOG 357M - Climate, Ecosystems and People Depth Experience Units: 1
- GEOG 363 - Political Geography Units: 3 and
- GEOG 363M - Political Geography Depth Experience Units: 1
- GEOG 365 - Political Ecology Units: 4
- NAS 331 - Indigenous Natural Resource Management Practices Units: 3
- NAS 332 - Environmental Justice Units: 3
- NAS 361 - Tribal Sovereignty, Tribal Citizens Units: 3
- NAS 362 - Tribal Governance and Leadership Units: 3
- NAS 364 - Federal Indian Law I Units: 4
- NAS 365 - Federal Indian Law II Units: 4
- NAS 366 - Tribal Water Rights Units: 4
- PSCI 343 - Global Governance Units: 4
- PSCI 364 - Technology and Development Units: 4
- PSCI 365 - Political Ecology Units: 4
- PSCI 373 - Politics of Sustainability Units: 4
- WSHD 558 - Advanced Climate Change and Land Use Units: 3

#### Engineering Design Approved Electives

Students may include up to two engineering design courses in their elective courses.

- ENGR 436 - Solid Waste Engineering Units: 3

- ENGR 452 - Drinking Water Treatment Engineering Units: 3
- ENGR 453 - Wastewater Treatment Engineering Units: 3
- ENGR 478 - Electricity Grids and Distributed Renewable Energy Units: 3
- ENGR 481 - Selected Topics with Engineering Design Units: 3
- ENGR 518 - Applied Hydraulics Units: 3
- ENGR 521 - Advanced Numerical Methods for Engineers I Units: 3
- ENGR 534 - Air Quality Management Units: 3
- ENGR 541 - Hydrology II Units: 3
- ENGR 543 - Groundwater Hydrology Units: 3
- ENGR 545 - Water Resources Planning and Management Units: 3
- ENGR 555 - Engineered Natural Treatment Systems Units: 3
- ENGR 571 - Advanced Thermodynamics and Energy Systems Units: 3
- ENGR 573 - Building Energy Analysis Units: 3
- ENGR 575 - Renewable Energy Power Systems Units: 3

### **Environmental Resources Engineering, Concentration**

Complete elective coursework in topics related to engineering and associated sciences to bring the total number of units to at least 30. Note that courses taken at the upper division level for an undergraduate degree may not be repeated at the graduate level for credit towards the graduate degree.

### **Engineering Design**

Complete three courses (9 units).

- ENGR 436 - Solid Waste Engineering Units: 3
- ENGR 452 - Drinking Water Treatment Engineering Units: 3
- ENGR 453 - Wastewater Treatment Engineering Units: 3
- ENGR 478 - Electricity Grids and Distributed Renewable Energy Units: 3
- ENGR 481 - Selected Topics with Engineering Design Units: 3
- ENGR 518 - Applied Hydraulics Units: 3
- ENGR 521 - Advanced Numerical Methods for Engineers I Units: 3
- ENGR 534 - Air Quality Management Units: 3
- ENGR 541 - Hydrology II Units: 3
- ENGR 543 - Groundwater Hydrology Units: 3
- ENGR 545 - Water Resources Planning and Management Units: 3
- ENGR 548 - River Hydraulics Units: 3
- ENGR 555 - Engineered Natural Treatment Systems Units: 3
- ENGR 571 - Advanced Thermodynamics and Energy Systems Units: 3
- ENGR 573 - Building Energy Analysis Units: 3
- ENGR 575 - Renewable Energy Power Systems Units: 3

### **Policy**

Complete one course (3-4 units).

- ENGR 532 - Energy, Environment and Society Units: 4
- ENGR 533 - Energy and Climate Change Units: 4
- ESM 460 - Environmental Planning for Public Lands and Rural Communities Units: 3
- ESM 462 - Coastal and Marine Planning Units: 3
- ESM 510 - Research Methods in Human Dimensions of Natural Resources Units: 4
- ESM 620 - Ecosystems and Society Units: 3
- GEOG 365 - Political Ecology Units: 4
- NAS 366 - Tribal Water Rights Units: 4
- PSCI 365 - Political Ecology Units: 4

### **Approved Elective Courses**

Complete upper division and graduate electives (recommended courses, below) to bring total degree units to no fewer than 30 units. At least half of these 30 units must be courses organized and conducted at the graduate level.

- ENGR 480 - Selected Topics in Engineering Units: 1-3
- ENGR 680 - Selected Topics in Environmental Systems Units: 1-3
- FISH 685 - Graduate Fisheries Seminar Units: 1
- GEOL 485 - Seminar Units: 1
- GEOL 531 - Advanced Physical Geology Units: 1-3
- GEOL 531L - Advanced Physical Geology Lab Units: 0.5-1
- GSP 580 - Selected Graduate Topics in Geospatial Science Units: 1-3
- GSP 580L - Selected Graduate Topics in Geospatial Science Lab Units: 1-2
- WSHD 685 - Forest Hydrology Seminar Units: 1-2

### **Geology Concentration**

- GEOL 550 - Fluvial Processes Units: 3
- GEOL 551 - Hillslope Processes Units: 3
- GEOL 553 - Quaternary Stratigraphy Units: 4
- GEOL 555 - Neotectonics Units: 3

### **Elective Requirement**

Complete approved upper division and graduate level elective courses to bring total degree units to no fewer than 30 units. At least half of these 30 units must be courses organized and conducted at the graduate level. The following courses are recommended.

- GEOL 524 - Methods of Geochronology Units: 3
- GEOL 531 - Advanced Physical Geology Units: 1-3
- GEOL 531L - Advanced Physical Geology Lab Units: 0.5-1
- GEOL 552 - Glacial and Periglacial Processes Units: 3
- GEOL 556 - Hydrogeology Units: 4
- GSP 570 - Advanced Geospatial Analysis and Modeling Units: 3
- GSP 580 - Selected Graduate Topics in Geospatial Science Units: 1-3
- GSP 580L - Selected Graduate Topics in Geospatial Science Lab Units: 1-2

### **Environmental Systems, M.S. Program Learning Outcomes**

Students completing this program will have demonstrated:

- expertise in their selected specialty through their master's thesis or project and be able to identify how their work will contribute to the field.
- the ability to design an investigation or project according to standards of the discipline
- the ability to investigate an original hypothesis or develop an original project using appropriate methods and scientific discipline
- the ability to present the results of their investigation or project using accepted structure, format, and visual aids for scientific presentations in the discipline
- the ability to write a thesis or project technical report using accepted structure, style, and format in accordance with the discipline.

#### Graduate Coordinator

Margaret Lang, Ph.D.

#### Graduate Office

College of Natural Resources & Sciences

Forestry 101

707-826-3256

## Kinesiology, M.S.

Graduates are prepared for careers in a wide range of professional roles that include worksite health promotion, clinical exercise physiology, cardiac rehabilitation, commercial fitness, public/private or nonprofit health agencies, obesity/diabetes and heart disease prevention and treatment, teaching/coaching, independent research in a field of specialization, or continued graduate study at doctoral granting institutions. The curriculum and coursework in the Kinesiology MS degree program is designed to meet the mission of preparing students to be leaders in the fields of physical activity, health, and disease prevention and treatment. The common theme that binds us together is the study of physical activity and relationships with health and human performance.

### Program Admission Requirements

Applicants must submit the names of three references, including contact information, and a statement of intent with their application. Two admission options are available:

#### Graduate

In addition to Cal Poly Humboldt requirements, the Department of Kinesiology and Recreation Administration requires the following criteria be met for admission to the program as a classified graduate student:

- a bachelor's degree in Kinesiology or Exercise Science from an accredited institution, or equivalent. Students may be required to complete foundational coursework depending on their selected graduate program of study.
- a minimum undergraduate grade-point average (GPA) of 2.75 in the last 60 semester units (a 3.00 GPA is preferred).
- completion of the Graduate Record Examination (GRE) for verbal reasoning (148 minimum), quantitative reasoning (140 minimum), and analytical writing (3.5 minimum) must be submitted as part of the application process prior to admission. A student may be conditionally admitted to the program if:
- The undergraduate degree is in a field other than Kinesiology or Exercise Science. Students will be required to complete 12-15 units of foundational coursework as approved by the graduate program coordinator. These courses must be satisfactorily completed with a grade of B- or better.

### Four plus One (4+1) Program (pre-baccalaureate)

A student can apply in the junior year after completion of at least 24 units of undergraduate coursework in Kinesiology, with a GPA of 3.25 or higher in KINS coursework.

### International Student Addendum

International students must achieve a minimum TOEFL score of 550 (213 on computer-based test; 80 on internet-based test) that was received within two years of applying to Cal Poly Humboldt. The score must be sent to us directly by the Educational Testing Service (ETS); or a minimum IELTS score of 6.5 that was received within two years of applying to Cal Poly Humboldt. The score must be sent to us directly by the English Language Testing System (IELTS).

### Requirements for the Degree (33 Units)

For a description of degree requirements to be fulfilled in addition to those listed below see, "Master's Degree Requirements".

### Required Courses (9 Units)

Complete the following courses:

- KINS 610 - Statistics for Kinesiology Units: 3
- KINS 635 - Research Methods in Kinesiology Units: 3
- KINS 695 - Directed Field Experience Units: 1-6  
**OR**
- KINS 699 - Independent Study Units: 1-6

### In-Depth Area of Study (9 Units)

Students select an in-depth area of study in consultation with a major advisor. Courses should support the student's area of research and professional goals. These courses should be graduate level (500-699), with allowance for upper division level courses (300-499) on a case-by-case basis.

### Directed Elective Courses (9 Units)

Courses should support the student's professional goals. These courses should be graduate level (500-699), with allowance for upper division level courses (300-499) on a case-by-case basis.

### Capstone (6 Units)

Complete one of the following options.

#### Thesis/Project Option

Recommended for those planning to attend a doctoral/advanced professional program or preparing for a research-based career. An oral defense of the thesis/project is required.

- KINS 690 - Thesis Writing Seminar Units: 1-6

#### Comprehensive Exam Option

Students in this option will complete a comprehensive written exam based on the focus of the curriculum.

- KINS 691 - Comprehensive Exam Units: 0  
and
- Students in this option will complete an additional 6 units of coursework.

## Natural Resources, M.S.

The graduate program in Natural Resources is designed to provide students with the knowledge and experience necessary to address natural resource problems and to carry out scientific investigations including

design, implementation, and evaluation of research in their specific area of study. While it is designed to provide an in-depth understanding of the student's particular area of emphasis, it is also intended to develop an appreciation for the interdisciplinary character of natural resource problems. Each candidate for the degree is required to consult with an appropriate faculty committee and to prepare an individualized program of study which must be approved by that committee.

The Natural Resources Graduate Program includes four major concentrations: Environmental and Natural Resource Sciences, Fisheries, Forestry Watershed & Wildland Sciences, and Wildlife.

## Program Admission Requirements

Applicants must possess preparation equivalent to the baccalaureate degree. Adequate academic preparation can best be demonstrated by a baccalaureate degree in the chosen option or in a closely related field. Applicants who lack adequate preparation may be required to make up academic deficiencies through additional course work. Such course work may not be used toward the graduate degree.

Applicants must have a minimum GPA of 3.0 for the last 60 undergraduate units. Applicants with extensive work experience, exceptional GPA, or Graduate Record Exam (GRE) scores may be reconsidered by appeal to the department faculty to the Graduate Advisory Council through the Graduate Coordinator. GRE scores are generally not required, unless the student's prospective faculty advisor requires GRE scores for admission. All prospective graduate students in the Natural Resources program should contact a prospective major advisor.

Please refer to the College of Natural Resources & Sciences website or contact CNRSmast@humboldt.edu for additional information.

## Requirements for the Degree

For a description of degree requirements to be fulfilled in addition to those listed below see, "Master's Degree Requirements".

## Natural Resources Graduate Program Core (16 Units)

- SCI 501 - Research Methods and Planning Units: 3

### Analytical Methods

Complete 4 units.

- ESM 510 - Research Methods in Human Dimensions of Natural Resources Units: 4
- FISH 558 - Fish Population Dynamics Units: 4
- GSP 510 - Research Methods in Geospatial Science Units: 4
- STAT 333 - Linear Regression Models/ANOVA Units: 4
- STAT 504 - Multivariate Statistics Units: 4
- STAT 506 - Sampling Design and Analysis Units: 4
- STAT 510 - Modern Statistical Modeling Units: 4
- WLDF 578 - Advanced Ecology of Wildlife Populations Units: 4

### Research and Thesis

Students complete a combination of thesis and research units for a total of 9 units with a maximum of 6 thesis units. Students select the courses based on their program concentration. All students are required to enroll in at least 1 unit of program specific 690 and 695 every semester.

- ESM 690 - Thesis Units: 1-4
- ESM 695 - Field Research Units: 1-4
- FISH 690 - Thesis Units: 1-4
- FISH 695 - Research Problems in Fisheries Units: 1-4

- FWWS 690 - Thesis Research Units: 1-3
- FWWS 695 - Field Research Problems Units: 1-3
- WLDF 690 - Thesis Units: 1-3
- WLDF 695 - Advanced Field Problems Units: 1-3

### Culminating Experience

A thesis, public oral presentation, and a closed formal defense are required.

## Concentrations

Complete one concentration to fulfill the requirements of the major.

## Environmental Science and Management Concentration

Total units required for the degree: 30

ESM graduate studies are oriented toward environmental analysis and land use planning; environmental science, particularly ecological restoration, renewable energy, and energy policy; recreational use of natural resources; and geospatial analysis of environmental and natural resource-related topics.

## Required Courses

- ESM 685 - Graduate Seminar Units: 1-3  
Enrollment in ESM 685 is required during two semesters of residence. A maximum of 2 units is applicable to the 30-unit requirement.

Students may enroll in 1 unit of ESM x690 through the College of Extended Education & Global Engagement their final semester if approved by their advisor.

## Approved Electives

Approved upper division and graduate electives to bring total units to no fewer than 30 units. At least half of these units must be courses organized and conducted at the graduate level.

- BIOL 340 - Genetics Units: 4
- BIOL 430 - Intertidal Ecology Units: 3
- BIOL 440 - Molecular Genetics Lab Units: 2
- BIOL 484 - Current Topics in Biology Units: 1
- BIOL 534 - Population and Community Ecology Units: 4
- BIOL 548 - Biogeography Units: 3
- BOT 330 - Plant Ecology Units: 2
- BOT 350 - Plant Taxonomy Units: 4
- BOT 358 - Biology of the Microfungi Units: 2
- BOT 359 - Biology of the Ascomycetes and Basidiomycetes Units: 2
- CS 325 - Database Design Units: 4
- CS 328 - Web-Apps Using Databases Units: 4
- EC 620 - Economic-Political Dimensions Units: 3
- EC 630 - Socio-Cultural Dimensions Units: 3
- EC 640 - Ecological Dimensions Units: 3
- ENGR 532 - Energy, Environment and Society Units: 4
- ENGR 533 - Energy and Climate Change Units: 4
- ENGR 471 - Thermodynamics and Energy Systems II Units: 3



- ENGR 371 - Energy Systems and Technology Units: 3
- ESM 303 - Applied Natural History and Ecology Units: 4
- ESM 305 - Environmental Conflict Resolution Units: 3
- ESM 309B - Environmental Communication Units: 3
- ESM 325 - Environmental Law and Regulation Units: 3
- ESM 350 - Fundamentals of Environmental Education and Interpretation Units: 3
- ESM 355 - Principles of Ecological Restoration Units: 3
- ESM 360 - Introduction to Environmental Planning Methods Units: 3
- ESM 365 - Local Government Planning Units: 3
- ESM 370 - Energy, Technology and Society Units: 3
- ESM 425 - Environmental Impact Assessment Units: 3
- ESM 430 - Natural Resource Management in Protected Areas Units: 3
- ESM 455 - Ecological Restoration Capstone Units: 4
- ESM 460 - Environmental Planning for Public Lands and Rural Communities Units: 3
- ESM 462 - Coastal and Marine Planning Units: 3
- ESM 555 - Applied Ecological Restoration Units: 4
- ESM 620 - Ecosystems and Society Units: 3
- ESM 685 - Graduate Seminar Units: 1-3
- FISH 375 - Mariculture Units: 3
- FISH 434 - Ecology of Freshwater Fish Units: 4
- FISH 435 - Ecology of Marine Fish Units: 4
- FISH 558 - Fish Population Dynamics Units: 4
- FISH 570 - River Fish Restoration Ecology Units: 3
- FISH 576 - Ecology of Running Waters Units: 3
- FOR 315 - Forest Management Units: 3
- FOR 321 - Fire Ecology Units: 3
- FOR 323 - Wildland Fire Behavior and Use Units: 3
- FOR 359 - CA and US Forest and Wildland Policy Units: 3
- FOR 374 - Wilderness Area Management Units: 3
- FOR 430 - Forest Ecosystems Units: 3
- FOR 431 - Forest Restoration Units: 3
- FOR 432 - Silviculture Units: 4
- FOR 532 - Advanced Principles in Silviculture Units: 4
- GEOG 302 - Global Ecology and Biogeography Units: 3
- GEOG 357 - Climate, Ecosystems and People Units: 3
- GEOL 306 - General Geomorphology Units: 3
- GEOL 308 - Natural Disasters Units: 3
- GEOL 550 - Fluvial Processes Units: 3
- GSP 316 - Cartography Units: 4
- GSP 318 - Geospatial Programming I Units: 3
- GSP 326 - Intermediate Remote Sensing Units: 3
- GSP 330 - Mobile Mapping Units: 3
- GSP 370 - Intermediate Geographic Information Science (GIS) Units: 3
- GSP 416 - Advanced Cartography Design Seminar Units: 4
- GSP 418 - Geospatial Programming II Units: 3
- GSP 436 - Advanced Remote Sensing Units: 3
- GSP 570 - Advanced Geospatial Analysis and Modeling Units: 3
- NAS 331 - Indigenous Natural Resource Management Practices Units: 3
- OCN 310 - Biological Oceanography Units: 4
- OCN 340 - Geological Oceanography Units: 4
- OCN 420 - Oceans and Climate Units: 3
- RRS 306 - Wildland Resource Principles Units: 3
- RRS 360 - Wildland Plant Communities Units: 3
- RRS 370 - Wildland Ecology Principles Units: 3
- RRS 375 - Vegetation Analysis and Health Units: 3
- RRS 430 - Wildland Restoration and Development Units: 3
- RRS 475 - Advanced Study of Rangeland Plants Units: 1
- SOC 583 - Quantitative Research Methods Units: 4
- SOC 584 - Qualitative Research Methods Units: 4
- SOC 665 - Community, Ecology and Social Action Units: 4
- SOIL 360 - Origin and Classification of Soils Units: 3
- SOIL 363 - Wetland Soils Units: 3
- WSHD 310 - Hydrology and Watershed Management Units: 4
- WSHD 333 - Wildland Water Quality Units: 3
- WSHD 424 - Watershed Hydrology Units: 3
- WSHD 458 - Climate Change and Land Use Units: 3
- WLDF 301 - Principles of Wildlife Management Units: 3
- WLDF 311 - Wildlife Techniques Units: 4
- WLDF 365 - Ornithology I Units: 3
- WLDF 460 - Conservation Biology Units: 3
- WLDF 468 - Spatial Wildlife Ecology Units: 3
- WLDF 578 - Advanced Ecology of Wildlife Populations Units: 4
- WLDF 585 - Seminar in Wildlife Management Units: 1-3

### Fisheries Concentration

Total units required for the degree: 30

The Fisheries program is designed primarily to produce graduates who can assess, develop, and manage fish habitats, populations, and commercial and recreational fisheries. The program is broad enough to allow students to prepare themselves for work in additional areas such as water pollution ecology and fish culture.

### Required Courses

- FISH 310 - Ichthyology Units: 4
- FISH 460 - Advanced Fish Conservation and Management Units: 3
- FISH 558 - Fish Population Dynamics Units: 4
- FISH 685 - Graduate Fisheries Seminar Units: 1

### Approved Electives

Approved upper division and graduate electives to bring total units to no fewer than 30 and no more than 60 units. At least half of these units must be courses organized and conducted at the graduate level. Select courses based on research needs and with approval of graduate committee.

- BIOL 340 - Genetics Units: 4
- BIOL 430 - Intertidal Ecology Units: 3
- BIOL 440 - Molecular Genetics Lab Units: 2
- BIOL 484 - Current Topics in Biology Units: 1
- BIOL 534 - Population and Community Ecology Units: 4

- BIOL 548 - Biogeography Units: 3
- BIOL 685 - Seminar in Biology Units: 1
- BOT 330 - Plant Ecology Units: 2
- BOT 350 - Plant Taxonomy Units: 4
- BOT 358 - Biology of the Microfungi Units: 2
- BOT 359 - Biology of the Ascomycetes and Basidiomycetes Units: 2
- EC 620 - Economic-Political Dimensions Units: 3
- EC 630 - Socio-Cultural Dimensions Units: 3
- EC 640 - Ecological Dimensions Units: 3
- ESM 325 - Environmental Law and Regulation Units: 3
- ESM 350 - Fundamentals of Environmental Education and Interpretation Units: 3
- ESM 355 - Principles of Ecological Restoration Units: 3
- ESM 360 - Introduction to Environmental Planning Methods Units: 3
- ESM 365 - Local Government Planning Units: 3
- ESM 370 - Energy, Technology and Society Units: 3
- ESM 425 - Environmental Impact Assessment Units: 3
- ESM 430 - Natural Resource Management in Protected Areas Units: 3
- ESM 555 - Applied Ecological Restoration Units: 4
- ESM 460 - Environmental Planning for Public Lands and Rural Communities Units: 3
- ESM 462 - Coastal and Marine Planning Units: 3
- ESM 685 - Graduate Seminar Units: 1-3
- FISH 310 - Ichthyology Units: 4
- FISH 320 - Limnology Units: 3
- FISH 320L - Limnology Practicum Units: 1
- FISH 335 - US and World Fisheries Units: 3
- FISH 375 - Mariculture Units: 3
- FISH 380 - Techniques in Fishery Biology Units: 3
- FISH 434 - Ecology of Freshwater Fish Units: 4
- FISH 435 - Ecology of Marine Fish Units: 4
- FISH 460 - Advanced Fish Conservation and Management Units: 3
- FISH 570 - River Fish Restoration Ecology Units: 3
- FISH 571 - Advanced Fish Disease and Pathology Units: 3
- FISH 576 - Ecology of Running Waters Units: 3
- FISH 578 - Fisheries Oceanography Units: 3
- FISH 474 - Conservation Genetics of Fish and Wildlife Units: 4
- FOR 315 - Forest Management Units: 3
- FOR 321 - Fire Ecology Units: 3
- FOR 323 - Wildland Fire Behavior and Use Units: 3
- FOR 353 - Forest Road Location and Design Units: 3
- FOR 359 - CA and US Forest and Wildland Policy Units: 3
- FOR 532 - Advanced Principles in Silviculture Units: 4
- FOR 374 - Wilderness Area Management Units: 3
- FOR 431 - Forest Restoration Units: 3

## Forest, Watershed and Wildland Sciences Concentration

Total units required for the degree: 30

Graduate studies in Forest, Watershed & Wildland Sciences are oriented toward generating a greater understanding of the ecology and

management of forests, rangelands, and the soils and watersheds that support them. Graduate research is focused on a wide variety of topics, including forest ecology, fire science, forest growth and dynamics, forest operations analysis, watershed processes, rangeland ecology soil science, and integrative analyses across these areas.

## Required Courses

- FWWS 501 - Research Methods and Planning Units: 2

## Approved Electives

Approved upper division and graduate electives bringing the total units to no fewer than 30 units. At least half of these units must be courses organized and conducted at the graduate level.

- BIOL 534 - Population and Community Ecology Units: 4
- BIOL 548 - Biogeography Units: 3
- BIOL 554 - Plant/Animal Interactions Units: 3
- BOT 310 - General Plant Physiology Units: 4
- BOT 394 - Forest Pathology Units: 3
- BA 370 - Principles of Management Units: 4
- ECON 423 - Environmental and Natural Resources Economics Units: 3
- ECON 470S - Sustainable Rural Economic Development Units: 4
- EC 620 - Economic-Political Dimensions Units: 3
- EC 630 - Socio-Cultural Dimensions Units: 3
- EC 640 - Ecological Dimensions Units: 3
- ESM 325 - Environmental Law and Regulation Units: 3
- ESM 425 - Environmental Impact Assessment Units: 3
- ESM 435 - Grant Proposal Writing Units: 2
- ESM 620 - Ecosystems and Society Units: 3
- FOR 331 - Silvics - Foundation of Silviculture Units: 3
- FOR 431 - Forest Restoration Units: 3
- FOR 450 - Harvesting Systems Design and Cost Analysis Units: 3
- FOR 523 - Advanced Wildland Fuels Management Units: 3
- FOR 530 - Advanced Forest Ecosystems Units: 3
- FOR 532 - Advanced Principles in Silviculture Units: 4
- GEOL 306 - General Geomorphology Units: 3
- GEOL 550 - Fluvial Processes Units: 3
- GEOL 551 - Hillslope Processes Units: 3
- GSP 316 - Cartography Units: 4
- GSP 326 - Intermediate Remote Sensing Units: 3
- GSP 330 - Mobile Mapping Units: 3
- GSP 370 - Intermediate Geographic Information Science (GIS) Units: 3
- GSP 436 - Advanced Remote Sensing Units: 3
- GSP 570 - Advanced Geospatial Analysis and Modeling Units: 3
- SOC 583 - Quantitative Research Methods Units: 4
- SOC 584 - Qualitative Research Methods Units: 4
- WSHD 424 - Watershed Hydrology Units: 3
- WSHD 558 - Advanced Climate Change and Land Use Units: 3

## Wildlife Concentration

Total units required for the degree: 30

Wildlife focuses on the conservation, management, ecology, behavior, and habitat requirements of wildlife species. Research projects emphasize the application of science to addressing issues in wildlife conservation and management.

## Required Courses

- WLDF 585 - Seminar in Wildlife Management Units: 1-3

## Approved Electives

Approved upper division and graduate electives to bring total units to no fewer than 30 units. At least half of these units must be courses organized and conducted at the graduate level.

- BIOL 340 - Genetics Units: 4
- BIOL 430 - Intertidal Ecology Units: 3
- BIOL 440 - Molecular Genetics Lab Units: 2
- BIOL 484 - Current Topics in Biology Units: 1
- BIOL 534 - Population and Community Ecology Units: 4
- BIOL 548 - Biogeography Units: 3
- BIOL 685 - Seminar in Biology Units: 1
- BOT 330 - Plant Ecology Units: 2
- BOT 350 - Plant Taxonomy Units: 4
- BOT 358 - Biology of the Microfungi Units: 2
- BOT 359 - Biology of the Ascomycetes and Basidiomycetes Units: 2
- EC 620 - Economic-Political Dimensions Units: 3
- EC 630 - Socio-Cultural Dimensions Units: 3
- EC 640 - Ecological Dimensions Units: 3
- ESM 325 - Environmental Law and Regulation Units: 3
- ESM 350 - Fundamentals of Environmental Education and Interpretation Units: 3
- ESM 355 - Principles of Ecological Restoration Units: 3
- ESM 360 - Introduction to Environmental Planning Methods Units: 3
- ESM 365 - Local Government Planning Units: 3
- ESM 370 - Energy, Technology and Society Units: 3
- ESM 425 - Environmental Impact Assessment Units: 3
- ESM 430 - Natural Resource Management in Protected Areas Units: 3
- ESM 460 - Environmental Planning for Public Lands and Rural Communities Units: 3
- ESM 462 - Coastal and Marine Planning Units: 3
- ESM 555 - Applied Ecological Restoration Units: 4
- ESM 620 - Ecosystems and Society Units: 3
- ESM 685 - Graduate Seminar Units: 1-3
- FISH 434 - Ecology of Freshwater Fish Units: 4
- FISH 435 - Ecology of Marine Fish Units: 4
- FISH 460 - Advanced Fish Conservation and Management Units: 3
- FISH 474 - Conservation Genetics of Fish and Wildlife Units: 4
- FISH 558 - Fish Population Dynamics Units: 4
- FISH 570 - River Fish Restoration Ecology Units: 3
- FISH 576 - Ecology of Running Waters Units: 3
- FOR 315 - Forest Management Units: 3
- FOR 321 - Fire Ecology Units: 3
- FOR 323 - Wildland Fire Behavior and Use Units: 3
- FOR 353 - Forest Road Location and Design Units: 3
- FOR 359 - CA and US Forest and Wildland Policy Units: 3
- FOR 374 - Wilderness Area Management Units: 3
- FOR 430 - Forest Ecosystems Units: 3
- FOR 431 - Forest Restoration Units: 3
- FOR 432 - Silviculture Units: 4
- GEOG 308 - Social Justice and the Environment in Africa Units: 3
- GEOG 357 - Climate, Ecosystems and People Units: 3
- GEOL 306 - General Geomorphology Units: 3
- GEOL 308 - Natural Disasters Units: 3
- GEOL 550 - Fluvial Processes Units: 3
- GSP 316 - Cartography Units: 4
- GSP 318 - Geospatial Programming I Units: 3
- GSP 326 - Intermediate Remote Sensing Units: 3
- GSP 330 - Mobile Mapping Units: 3
- GSP 370 - Intermediate Geographic Information Science (GIS) Units: 3
- GSP 416 - Advanced Cartography Design Seminar Units: 4
- GSP 418 - Geospatial Programming II Units: 3
- GSP 436 - Advanced Remote Sensing Units: 3
- GSP 510 - Research Methods in Geospatial Science Units: 4
- GSP 570 - Advanced Geospatial Analysis and Modeling Units: 3
- NAS 331 - Indigenous Natural Resource Management Practices Units: 3
- OCN 310 - Biological Oceanography Units: 4
- OCN 340 - Geological Oceanography Units: 4
- OCN 420 - Oceans and Climate Units: 3
- RRS 306 - Wildland Resource Principles Units: 3
- RRS 360 - Wildland Plant Communities Units: 3
- RRS 370 - Wildland Ecology Principles Units: 3
- RRS 375 - Vegetation Analysis and Health Units: 3
- RRS 430 - Wildland Restoration and Development Units: 3
- RRS 475 - Advanced Study of Rangeland Plants Units: 1
- SOC 583 - Quantitative Research Methods Units: 4
- SOC 584 - Qualitative Research Methods Units: 4
- SOC 665 - Community, Ecology and Social Action Units: 4
- SOIL 360 - Origin and Classification of Soils Units: 3
- SOIL 363 - Wetland Soils Units: 3
- WSHD 310 - Hydrology and Watershed Management Units: 4
- WSHD 333 - Wildland Water Quality Units: 3
- WSHD 424 - Watershed Hydrology Units: 3
- WSHD 458 - Climate Change and Land Use Units: 3
- WSHD 524 - Advanced Watershed Hydrology Units: 3
- WSHD 558 - Advanced Climate Change and Land Use Units: 3
- WLDF 301 - Principles of Wildlife Management Units: 3
- WLDF 311 - Wildlife Techniques Units: 4
- WLDF 365 - Ornithology I Units: 3
- WLDF 420 - Wildlife Management (Waterfowl) Units: 3

- WLDF 422 - Wildlife Management (Mammals) Units: 3
- WLDF 423 - Wildlife Management (Nongame Wildlife) Units: 3
- WLDF 430 - Ecology and Management of Wetland Habitats for Wildlife Units: 3
- WLDF 431 - Ecology and Management of Upland Habitats for Wildlife Units: 3
- WLDF 450 - Principles of Wildlife Diseases Units: 3
- WLDF 460 - Conservation Biology Units: 3
- WLDF 464 - Urban Wildlife Ecology Units: 3
- WLDF 468 - Spatial Wildlife Ecology Units: 3
- WLDF 475 - Wildlife Ethology Units: 3
- WLDF 478 - Ecology of Wildlife Populations Units: 3
- WLDF 510 - Advanced Principles of Wildlife Management Units: 1-5
- WLDF 531 - Advanced Wildlife Habitat Ecology Units: 2
- WLDF 565 - Advanced Topics in Ornithology Units: 1-3
- WLDF 578 - Advanced Ecology of Wildlife Populations Units: 4
- WLDF 580 - Behavioral Ecology Units: 1-3
- WLDF 585 - Seminar in Wildlife Management Units: 1-3
- ZOOL 560 - Advanced Mammalogy Units: 4

- have a minimum undergraduate GPA of 3.25 in psychology courses

Admission will also be based on a match between student and faculty interests and the willingness of a faculty member to supervise the student's thesis or project research. We strongly recommend that students contact faculty in their area prior to application.

A student may be conditionally admitted to the program if the undergraduate degree lacks one or more prerequisite courses for their emphasis.

### Prerequisite Coursework

Completion of 24 units of undergraduate coursework in psychology including the following courses (or equivalent): PSYC 104, PSYC 109 and PSYC 342. Students with degrees in biology (or closely related fields) may apply for conditional admission to the neuroscience emphasis without 24 units of psychology courses, if they have completed PSYC 104, PSYC 109 and PSYC 342 (or equivalent courses). These students would complete prerequisite undergraduate courses, in addition to the required program coursework, after admission to the program to bring their total undergraduate psychology coursework to 24 units.

- For the Neuroscience Emphasis: BIOL 105, CHEM 107, PSYC 321, and PSYC 325
- For the Social/Cognitive Emphasis: PSYC 324 and PSYC 335
- For the Developmental Emphasis: PSYC 311, PSYC 418 and PSYC 338
- For the Behavior Analysis Emphasis: PSYC 320 and PSYC 322

### Requirements for the Degree (30 Units)

For a description of degree requirements to be fulfilled in addition to those listed below, see "Master's Degree Requirements".

Complete at least 30 units in psychology or supporting courses as defined in the core and emphasis requirements or as approved by the graduate committee. At least half of the units must be at the graduate level. Complete a thesis or project as a culminating experience.

### Core Courses (18 Units)

- PSYC 588 - Regression/Multivariate Topics Units: 4  
OR
- PSYC 578 - Analysis of Variance Units: 4
- PSYC 641 - Research Methods: Philosophy and Design Units: 3 (take in first year)
- PSYC 642 - Research Methods: Evaluation Units: 2 (take in first year)
- PSYC 647 - Academic Research Proseminar Units: 3

### Culminating Experience

Students must enroll in the following course each semester. Completion of a thesis is required.

- PSYC 690 - Thesis Units: 1-6 (minimum 6 units required)

### Emphases (Select One)

Complete the additional courses outlined in one of the following emphases.

### Neuroscience Emphasis

Neuroscience is the study of the physiological bases of behavior, particularly how the brain affects behavior. The Neuroscience Emphasis provides an extensive background in biological bases of behavior and

#### Graduate Coordinator

Natural Resources Graduate Program  
Forestry Building 101  
707-826-3256  
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#### Graduate Coordinator

Erin Kelly,  
707-826-4150  
eck107@humboldt.edu

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## Psychology, Academic Research Concentration, M.A.

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This Academic Research Program offers a master's degree with a focus of study in one of four emphasis areas: Social/Cognitive, Neuroscience, Developmental, and Behavior Analysis. Each area provides a background in methodology and statistics that is paired with courses relevant to the area.

Program Coordinator  
Chris Aberson, Ph.D.  
707-826-3670

### Program Admission Requirements

For general admission requirements, see "Admission Information" in this catalog. To be considered for admission to the program as a classified graduate student, an applicant must:

- hold a bachelor's degree from an accredited institution or equivalent
- submit a statement of purpose
- submit three letters of recommendation demonstrating academic and professional potential. At least one from faculty, the others can come from employers or professionals.
- select an emphasis and desired thesis advisor

numerous research opportunities. Our program prepares students for application to Ph.D. programs in the field of biological psychology and neuroscience.

### Required Courses (12 Units)

- PSYC 625 - Advanced Psychobiology Units: 3
- PSYC 672 - Psychopharmacology Units: 3
- PSYC 411 - Social Neuroscience Units: 3
- PSYC 487 - Evolutionary Psychology Units: 3

### Additional Elective Courses

In the event that PSYC 411 and/or PSYC 487 were counted toward the student's undergraduate degree, a student may select from the following elective courses or other courses relevant to the concentration if approved by advisor and program coordinator. Selected topic courses, PSYC 480 and PSYC 680 require a topic relevant to the emphasis and approval from advisor and program coordinator.

- PSYC 480 - Selected Topics in Psychology Units: 0.5-3
- PSYC 578 - Analysis of Variance Units: 4 (if not taken for core requirement)
- PSYC 588 - Regression/Multivariate Topics Units: 4 (if not taken for core requirement)
- PSYC 683 - Graduate Teaching Assistantship Units: 1-4
- PSYC 684 - Graduate Teaching Internship Units: 1-6
- PSYC 680 - Selected Topics in Contemporary Psychology Units: 0.5-3
- PSYC 695 - Research Practicum Units: 1-6

### Social/Cognitive Emphasis (12 Units)

The Social/Cognitive emphasis focuses on how thoughts, feelings, and behaviors are influenced by others and the mental processes underlying these influences. Our program prepares students for application to Ph.D. programs in either Social or Cognitive Psychology or careers in related research areas.

#### Required Courses (3 Units)

Complete one course.

- PSYC 622 - Advanced Learning and Behavior Analysis Units: 3
- PSYC 635 - Advanced Social Psychology Units: 3

#### Elective Courses (9 Units)

Complete 9 units selected in consultation with an advisor. Courses relevant to the emphasis offered by other departments if approved by advisor and graduate coordinator. Selected topic courses, PSYC 480 and PSYC 680 require a topic relevant to the emphasis and approval from advisor and program coordinator.

- PSYC 336 - Social Influence and Persuasion Units: 3
- PSYC 345L - Psychological Tests and Measurement Units: 4
- PSYC 411 - Social Neuroscience Units: 3
- PSYC 480 - Selected Topics in Psychology Units: 0.5-3
- PSYC 487 - Evolutionary Psychology Units: 3
- PSYC 578 - Analysis of Variance Units: 4 (if not taken for core requirement)
- PSYC 588 - Regression/Multivariate Topics Units: 4 (if not taken for core requirement)
- PSYC 622 - Advanced Learning and Behavior Analysis Units: 3 (if not taken for requirement above)
- PSYC 635 - Advanced Social Psychology Units: 3 (if not taken for requirement above)
- PSYC 683 - Graduate Teaching Assistantship Units: 1-4

- PSYC 684 - Graduate Teaching Internship Units: 1-6
- PSYC 680 - Selected Topics in Contemporary Psychology Units: 0.5-3
- PSYC 695 - Research Practicum Units: 1-6

### Developmental Emphasis (12 Units)

Developmental psychology is the study of human development from both normal and atypical development. The Developmental Emphasis prepares students to work with a wide variety of children and their families or pursue Ph.D. study.

#### Required Courses (6 Units)

- PSYC 518 - Advanced Developmental Psychopathology Units: 3
- PSYC 632 - Advanced Developmental Psychology Units: 3

#### Elective Courses (6 Units)

Complete 6 units. Other courses relevant to the emphasis offered by the departments of Child Development, Education, Sociology or Social Work as approved by advisor and the graduate program coordinator. Selected topic courses PSYC 480 and PSYC 680 require a topic relevant to the emphasis and approval from advisor and program coordinator.

- PSYC 303 - Family Relations in Contemporary Society Units: 3
- PSYC 345L - Psychological Tests and Measurement Units: 4
- PSYC 414 - Psychology of Adolescence and Young Adulthood Units: 3
- PSYC 419 - Family Violence Units: 3
- PSYC 480 - Selected Topics in Psychology Units: 0.5-3
- PSYC 578 - Analysis of Variance Units: 4 (if not taken for core requirement)
- PSYC 588 - Regression/Multivariate Topics Units: 4 (if not taken for core requirement)
- PSYC 638 - Diagnosis of Mental Disorders Units: 3
- PSYC 680 - Selected Topics in Contemporary Psychology Units: 0.5-3
- PSYC 683 - Graduate Teaching Assistantship Units: 1-4
- PSYC 684 - Graduate Teaching Internship Units: 1-6
- PSYC 695 - Research Practicum Units: 1-6

### Behavior Analysis Emphasis (13 Units)

Behavior analysis is the design, implementation, and evaluation of instructional and environmental modifications to produce improvements in human behavior through skill acquisition and the reduction of problematic behavior. The Behavior Analysis Emphasis develops students' skills in conducting behavioral research and providing applied behavioral intervention services for children and adults in areas including education, developmental disabilities, and behavioral consulting. This program is designed to provide the coursework that constitutes part of the requirements for becoming a Board Certified Behavior Analyst.

#### Required Courses

- PSYC 622 - Advanced Learning and Behavior Analysis Units: 3
- PSYC 667 - Ethics and Professionalism in Behavior Analysis Units: 3
- PSYC 675 - Single-Case Research Design Units: 3

#### Elective Courses

Complete a minimum of 4 units.

- PSYC 655 - Social-Behavioral Evaluation Units: 3

- PSYC 674 - Philosophy of Behaviorism Units: 3
- PSYC 682 - Fieldwork Units: 1-6
- PSYC 683 - Graduate Teaching Assistantship Units: 1-4
- SPED 706 - Applied Behavior Analysis for Teachers Units: 3
- SPED 722 - Autism Intervention Strategies Units: 2
- SPED 731 - Classroom Management Units: 1

### 5th Year (Blended) Pathway

Students may apply while in undergraduate status to begin graduate coursework, allowing for the completion of the B.A. and M.A. in five years total. Interested Cal Poly Humboldt students who satisfy the admission requirements below are strongly encouraged to apply for the program in their junior year. Applicants should discuss research interests with their desired thesis chair.

### 5th Year Prerequisites and Program Admission Requirements

- All requirements listed in the section above titled Prerequisites and Program Admission Requirements, except completion of B.A.
- Completion of the departmental application (contact department office for form)
- Admission is also based on a match between student and faculty interests and the willingness of a faculty member to supervise the student's thesis or project research.

### 5th Year Requirements for Degree

Complete requirements listed in the section above titled Requirements for Degree with the following deviations:

- Complete PSYC 641 - Research Methods: Philosophy and Design and PSYC 642 - Research Methods: Evaluation during undergraduate senior year.
- Complete PSYC 647 - Academic Research Proseminar during the 5th year.

### Program Learning Outcomes

Students who complete the Psychology, Academic Research Concentration, M.A. program will:

- demonstrate knowledge of the significant facts and theories within their area of specialization;
- demonstrate methodological and statistical knowledge related to psychology and apply these techniques to their own research;
- demonstrate knowledge of the ethical issues in psychology with a particular focus on special issues in their area of specialization;
- understand professional expectations for graduate students;
- demonstrate they can write effectively using APA style; and
- develop professional and technical skills relevant to their area of specialization.

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## Public Sociology, M.A.

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The master's program in public sociology, focuses on social justice and environmental sustainability, while fostering a network of students, faculty, staff, alumni and community members who are committed to social change. Public sociology translates sociological knowledge and skills for communities where these resources are needed.

The concept of social justice emphasizes a holistic understanding of the relationships between people, built and "natural" systems, and the social

implications of particular structures and relationships. Race, class, gender, and the environment are central to analysis, as well as strategies for action. The action component emphasized in our program is tightly linked to the idea of public sociology. We understand public sociology as social change work that draws heavily on knowledge of social movements, community organizing, and applied research methods as particular plans are strategized, implemented, and evaluated.

Our MA students choose an experience emphasis in either Practicing Sociology or Teaching Sociology. Regardless of their emphasis, our alumni graduate with a solid foundation in social theory and social research that is marked by a departmental commitment and curricular integration of public sociology and social justice, as well as knowledge and skills for social action. Sociology faculty members, along with the Sociology and CJS Community Advisory Board, cultivate a range of field placement opportunities for students emphasizing Practicing Sociology.

Students develop their specialization by drawing on coursework, carefully selecting a field placement and working with faculty mentors.

In the Teaching Sociology emphasis, students learn cutting-edge pedagogical practices, and receive both hands-on experience and close mentorship. This is great preparation for facilitating and leading groups, designing and delivering workshops, teaching at the community college level, and creating educational and training materials.

In the Practicing Sociology emphasis, through classes, a 240-hour placement, paid research opportunities, and their thesis/capstone work, students become well-trained and valuable applied sociologists. They develop skills in qualitative, quantitative, and program evaluation methods; frameworks (theory) needed for complex analytical thinking and problem solving; and advanced professional communication skills-writing, speaking, presentations.

### Requirements for the Degree (39 units)

For a description of degree requirements to be fulfilled in addition to those listed below see, "Master's Degree Requirements".

Students must earn a "B" (3.00) or better in all courses taken to satisfy the requirements of the degree.

### Common Coursework (22 Units)

- SOC 583 - Quantitative Research Methods Units: 4
- SOC 584 - Qualitative Research Methods Units: 4
- SOC 605 - Graduate Proseminar in Sociology Units: 1 (complete twice for a total of 2 units)
- SOC 610 - Contemporary Social Theory Units: 4
- SOC 650 - Race, Ethnicity and Gender Units: 4
- SOC 665 - Community, Ecology and Social Action Units: 4

### Social Action Electives (4 Units)

Complete one of the following courses:

- FILM 455 - Grant Writing Units: 4
- FILM 455S - Grant Writing Units: 4
- SOC 350 - Social Movements Units: 4
- SOC 475 - Community Organizing Units: 4

**Note:** Other courses that are social action oriented and experience based may be approved by the graduate coordinator.

### Area Seminar Electives (4 Units)

Complete one course in consultation with the graduate coordinator. At least one of the two program electives (Social Action or Area Seminar) must be at graduate (500- 600) level.

## Experience Electives (3 Units)

- SOC 586 - Community Action Research Units: 3  
OR
- SOC 560 - Teaching Sociology Units: 3

## Thesis or Project (6 Units)

- SOC 690 - Master's Degree Thesis Units: 1-6  
OR
- SOC 692 - Master's Degree Project Units: 1-6

**Note:** The decision to enroll in "project" or "thesis" units is based on the orientation and content of the student work itself and is not dictated by the experience emphasis. Students should review the discussion of thesis and project units in the Public Sociology "Graduate Manual" and work with the graduate coordinator and their committee chair in determining the most appropriate course number (SOC 690 or SOC 692) for their work. Students emphasizing Practicing Sociology should enroll in thesis or project units concurrently with their field placements (see below).

## Progress Requirements

The department reserves the right to dismiss from the program a student who does not make academically adequate and timely progress in moving through degree requirements. For more information, see the graduate school handbook regarding academic probation and disqualification.

## Additional M.A. Degree Information

### Field Site Placement Requirements

Students emphasizing Practicing Sociology are required to complete 240 hours of field placement work that may include up to 40 hours of academic administrative work such as scheduling and meeting with faculty advisors, preparing and submitting required reporting and evaluation information, and formatting final products as required by the graduate school. Students should work closely with the graduate coordinator to identify a placement that will best support their interests and long-term goals.

### Teaching Associates (Optional)

Students may apply for a teaching associate position, which is a paid union position. Teaching associates will work with a faculty member in one of two large lecture courses: SOC 104 (Intro to Sociology) or SOC 303 (Race and Inequality). Teaching associates will run up to three recitation (discussion) sections with 25-33 students per section. Teaching associates also grade student work. This model provides teaching associates a hands-on experience in the classroom.

### Teaching Internship (Optional)

In addition, there are occasionally opportunities for students to petition the department to be allowed to engage in a higher level internship with a faculty member. This allows advanced students to co-teach a course with a faculty member. The positions are reserved for only the very strongest of new teachers with evidence for readiness to teach their own class. If selected, one to two students will work with a faculty mentor to teach a section of an appropriate course. The student should enroll in SOC 682 - Teaching Internship; the course is not required for the MA. Prerequisites for participating in the Teaching Internship include SOC 560 - Teaching Sociology and having served as a teaching associate as described in the above paragraph.

### Plans of Study Submission Including Committee Identification (Semester One)

Near the end of the first semester in the program, a student should consult with the graduate coordinator to develop and submit a "Plan of Study" (see website for sample). The plan sets student goals and strategies for accomplishment including not only coursework, but also additional professional development plans such as professional meeting attendance and networking strategies. The plan also requires that the student, with the help of the graduate coordinator, secure the commitment of two sociology graduate faculty members to serve on the thesis or project

committee. This plan must be submitted to the graduate coordinator and will be placed in the student's permanent file.

### Thesis/Project Proposal (Semester Two)

Working with their committee, the student should propose their plan for completing a thesis or project. This proposal should include a potential theoretical foundation, data to be collected, and overview of literature, as applicable. This proposal must be submitted to and approved by the student's full committee.

### Advancement to Candidacy Application (Semester Three)

In the third semester in the program, students submit their applications for candidacy to Graduate Studies. This application includes a list of approved classes, a title and abstract of the thesis or project, internal review board (IRB) approval documentation and the signatures of the committee members, as well as the signature of the graduate coordinator. The application when approved places the student on the program for graduation.

### Project or Thesis Work, Continuous Enrollment Requirements, and Leave of Absences

Once a student is approved for candidacy, they are required to enroll in at least 1 unit of thesis or project work every semester (fall and spring) until work is complete and each committee member has provided formal acceptance of the project or thesis. Students must file a formal "leave of absence" application if they are unable to continue enrollment (see Graduate School Handbook). If thesis/project work is in process after all coursework is complete (except for RP grades for 6 units of SOC 690 or SOC 692), the student may choose to meet the continuous enrollment requirement by taking 1 unit of SOC x693 each term through the College of Extended Education & Global Engagement.

### Supplemental Coursework

Students may enroll in additional courses to supplement their coursework and further develop interests and expertise. Students desiring additional preparation for professional positions in program evaluation are encouraged to take advanced statistical analysis courses in other departments to supplement their core of methodology courses.

### Conditional Program Admission

Students who lack adequate undergraduate preparation in sociological theory and methods may receive conditional program admission. Conditionally admitted students must complete with an "A-" or better all or some of the following undergraduate courses:

- SOC 310 - Sociological Theory Units: 4
- SOC 382 - Introduction to Social Research Units: 4
- SOC 410 - Contemporary Social Theory Units: 4
- STAT 108 - Elementary Statistics Units: 3

## Program Learning Outcomes

Students completing an MA in Public Sociology will have demonstrated the following program learning outcomes:

- Communicate orally at a level appropriate for an advanced professional about social science theory, methods, and/or applied field experience (oral communication)
- Effectively identify and communicate in writing about central social science contemporary theory (critical thinking - written communication)
- Identify systems of power and privilege and methods for creating diverse, inclusive, and just communities (critical thinking - social justice)
- Explain the relationships between communities, social systems, institutions, and the natural world (critical thinking - sustainability)
- Evaluate research designs and analytic techniques (critical thinking - methods)

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# School Psychology, M.A.

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Master's degree in School Psychology and a California Credential authorizing service as a school psychologist. At program completion, students are recommended to the California Commission on Teacher Credentialing for a Pupil Personnel Services Credential with an authorization to practice as a school psychologist. Students are eligible to sit for the national licensing exam to become a Nationally Certified School Psychologist (NCSP).

Program Coordinator  
Francis De Matteo, Ed. D., NCSP  
707-826-4047

Graduates of this program enter careers as school psychologists in California public schools and assume positions as educational leaders in the area of pupil personnel services. Sequenced coursework and integrated field experience in school and community settings are integral aspects of the program. In addition to all course and fieldwork requirements, each candidate for the M.A. degree in school psychology is required to complete a comprehensive portfolio containing examples of work in all of the California domains of professional practice.

## Program Admission

### Prerequisites

Courses in: general psychology, research methods, developmental psychology, introductory statistics, personality theory or abnormal psychology, and psychological tests and measurement.

### Program Admission Requirements

All students apply to the university through Cal State Apply. To be considered for admission to the program, applicants must:

- submit three letters of recommendation demonstrating academic and professional potential. At least one from faculty, the others can come from employers or professionals.
- submit a resume, a statement of intent and a prerequisite verification form

A CBEST Exam Verification must be completed by the end of the first semester.

### Requirements for the Degree (85 Units)

For a description of degree requirements to be fulfilled in addition to those listed below see, "Master's Degree Requirements". The program requires recommendation by the department for advancement to candidacy and a minimum GPA of 3.00 in all work toward the degree, with no grade lower than a B-.

- PSYC 518 - Advanced Developmental Psychopathology Units: 3
- PSYC 605 - Psychological Foundations/School Psychology Units: 3
- PSYC 606 - Educational Foundations/School Psychology Units: 2
- PSYC 607 - Consultation/Collaboration Units: 2
- PSYC 608 - Advanced Assessment/Case Presentation Units: 2
- PSYC 616 - Cognitive Assessment I Cognitive/Biological Bases of Behavior Units: 3
- PSYC 617 - Cognitive Assessment II Cognitive/Biological Bases of Behavior Units: 3
- PSYC 641 - Research Methods: Philosophy and Design Units: 3

- PSYC 651 - Diagnosis and Treatment of Children for the School Psychologist I - Cognitive and Academic Difficulties Units: 3
- PSYC 652 - Diagnosis and Treatment of Children for the School Psychologist II - Social, Emotional and Behavioral Problems Units: 3
- PSYC 654 - Interviewing and Counseling Techniques Units: 3
- PSYC 655 - Social-Behavioral Evaluation Units: 3
- PSYC 659 - Mental Health in K-12 Schools Units: 3
- PSYC 669 - Legal and Ethical Foundations in School Psychology Units: 3
- PSYC 676 - Multicultural Counseling Units: 3

### Practicum and Internship

- PSYC 783 - School Psychology Practicum Units: 2-4
- PSYC 784 - School Psychology Internship Units: 6-12

### Culminating Experience

Each candidate for the M.A. degree in School Psychology is required to complete a non-thesis Portfolio Project and a Comprehensive Exam for their culminating experience. The Portfolio Project is the presentation of candidates' education, training, and development as a specialist level professional school psychologist that includes sections for describing and documenting education and training, as well as examples of work products, reflection papers, and evaluations of all aspects of training as a professional school psychologist. Portfolio submissions must demonstrate abilities that exemplify the goals for training established by the California Commission on Teacher Credentialing Standards of Program Quality and Effectiveness (CTCC, 2020) and the Professional Standards of the National Association of School Psychologists Standards (NASP, 2020).

Candidates' Portfolio Products are reviewed by their Portfolio Committee members and a public oral defense of their products serves as the Comprehensive Exam. Students must earn a minimum of 80% (Emerging Competence) in their comprehensive exam to be recommended to the California Commission on Teacher Credentialing for a Pupil Personnel Services Credential with an authorization to practice as a school psychologist.

- PSYC 692 - School Psychology Portfolio Project Units: 1-3
- PSYC 693 - Comprehensive Exam: School Psychology Units: 0

### Sample Schedule

#### First Semester

- PSYC 518 - Advanced Developmental Psychopathology Units: 3
- PSYC 605 - Psychological Foundations/School Psychology Units: 3
- PSYC 616 - Cognitive Assessment I Cognitive/Biological Bases of Behavior Units: 3
- PSYC 641 - Research Methods: Philosophy and Design Units: 3
- PSYC 654 - Interviewing and Counseling Techniques Units: 3
- PSYC 692 - School Psychology Portfolio Project Units: 1-3 (take for 1 unit)

#### Second Semester



- PSYC 606 - Educational Foundations/School Psychology Units: 2
- PSYC 617 - Cognitive Assessment II Cognitive/Biological Bases of Behavior Units: 3
- PSYC 651 - Diagnosis and Treatment of Children for the School Psychologist I - Cognitive and Academic Difficulties Units: 3
- PSYC 669 - Legal and Ethical Foundations in School Psychology Units: 3
- PSYC 783 - School Psychology Practicum Units: 2-4 (take for 4 units)

### Third Semester

- PSYC 607 - Consultation/Collaboration Units: 2
- PSYC 652 - Diagnosis and Treatment of Children for the School Psychologist II - Social, Emotional and Behavioral Problems Units: 3
- PSYC 655 - Social-Behavioral Evaluation Units: 3
- PSYC 676 - Multicultural Counseling Units: 3
- PSYC 783 - School Psychology Practicum Units: 2-4 (take for 4 units)

### Fourth Semester

- PSYC 608 - Advanced Assessment/Case Presentation Units: 2
- PSYC 659 - Mental Health in K-12 Schools Units: 3
- PSYC 692 - School Psychology Portfolio Project Units: 1-3 (take for 3 units)
- PSYC 783 - School Psychology Practicum Units: 2-4 (take for 4 units)

### Fifth Semester - Internship

- PSYC 784 - School Psychology Internship Units: 6-12 (take for 12 units)

### Sixth Semester - Internship

- PSYC 692 - School Psychology Portfolio Project Units: 1-3 (take for 3 units)
- PSYC 693 - Comprehensive Exam: School Psychology Units: 0
- PSYC 784 - School Psychology Internship Units: 6-12 (take for 12 units)

## Programs Leading to Licensure and Credentialing

Admission into programs leading to licensure and credentialing does not guarantee that students will obtain a license or credential. Licensure and credentialing requirements are set by agencies that are not controlled by or affiliated with the CSU and requirements can change at any time. For example, licensure or credentialing requirements can include evidence of the right to work in the United States (e.g., social security number or taxpayer identification number) or successfully passing a criminal background check. Students are responsible for determining whether they can meet licensure or credentialing requirements. The CSU will not refund tuition, fees or any associated costs to students who determine subsequent to admission that they cannot meet licensure or credentialing requirements. Information concerning licensure and credentialing requirements are available from the Office of Academic Affairs, Siemens Hall 216, 707-826-3722.

The California State University has not determined whether its programs meet other states' educational or professional requirements for licensure

and certification. Students enrolled in a California State University program who are planning to pursue licensure or certification in other states are responsible for determining whether they will meet their state's requirements for licensure or certification. This disclosure is made pursuant to 34 CFR §668.43(a)(5)(v)(C).

## Program Learning Outcomes

Students who complete this program will demonstrate:

1. the ability to use knowledge of human development to assist parents and school personnel to understand typical and atypical development, the biology of normal human development as well as developmental psychopathology, and strategies for maximizing children's learning and development.
2. appropriate knowledge of historical, political and educational laws, policies, and procedures that affect public education.
3. appropriate knowledge of legal, ethical, and professional policies, and practices.
4. the ability to collect, analyze, interpret, and integrate multiple sources of information regarding the cognitive and scholastic development of pupils in order to assist parents and school personnel to make informed educational decisions regarding instructional needs.
5. the ability to collect, analyze and interpret multiple sources of information regarding the social, emotional and behavioral development of pupils in order to assist parents and school personnel to make informed decisions regarding behavioral needs.
6. the ability to use both problem-solving (client-centered) and process-focused (consultee-centered) models of consultation.
7. knowledge about the full range of school-based mental health programs - from preventative "wellness" programs, to school-based counseling and behavioral intervention, to crisis assessment and effective intervention.
8. the sensitivity and skills needed to work with individuals of diverse backgrounds and developmental abilities, and to implement strategies selected or adapted based on individual characteristics, strengths, and needs.
9. the knowledge and ability to provide support and assistance for family members in order to help them become effective participants in all aspects of children's schooling.
10. the ability to use their knowledge of research, statistics, and evaluation methods to inform all areas of practice, from choosing appropriate methods for collecting information to making recommendations for interventions based on empirical evidence.

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## Social Science, Environment and Community Concentration, M.A.

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The Social Science, Environment and Community M.A. program is not accepting applications for the 2022-2023 academic year.

This is a two-year, interdisciplinary graduate program focused on understanding and advancing sustainability and community resilience within the context of social and environmental change at multiple scales. The program is committed to conceptually rigorous, applied research on sustainability and equity in a manner that transcends a nature-society dichotomy. Students explore these topics through graduate seminars in three curriculum areas: economic and political dimensions; socio-cultural dimensions: race, class, gender and place; and environmental dimensions. Capstone topics for graduate students in this program include the following general themes: sustainable food systems, community-natural resource management interactions, environmental and social justice, environmental education, Native American/indigenous

natural resource management, and sustainable urban communities. Our graduates pursue successful careers in the nonprofit sector, education, private sector, and public sector.

## Program Admission Requirements

### Postbaccalaureate Candidate Pathway

- Completed BA or BS degree
- GPA not less than 3.00 in the last 60 units of college coursework
- Three letters of recommendation
- Candidate statement of purpose (prompts are available on the Environment & Community Program website)
- Ten-page writing sample
- Graduate coordinator approval after faculty committee review of application file

### Dual Degree Pathway (3+2 BA and MA Degree)

The E&C program has developed, in conjunction with select undergraduate majors, dual degree (3+2) pathways that enable exceptional students to simultaneously earn a bachelor's and a master's degree in five years. Although the pathway does not change undergraduate major nor graduate degree requirements, students in the program seamlessly progress from undergraduate to graduate status. Students are eligible to apply for the pathway upon completion of 60 units. A faculty committee evaluates student applications. Participation is based on prior academic performance and other measures of academic excellence.

Contact the E&C coordinator for majors that participate.

### Requirements for the Degree (36 units)

For a description of degree requirements to be fulfilled in addition to those listed below see, "Master's Degree Requirements".

### Required Courses (15 Units)

- EC 610 - Environment and Community Research Units: 3 (complete during first semester)
- EC 615 - Graduate Colloquium Units: 1 (1-unit course taken three times for a total of 3 units)

### Culminating Experience (9 Units)

The program culminates in a master's thesis, project, or comprehensive examination. Students must receive approval for the comprehensive examination option.

- EC 690 - Master's Thesis or Project Units: 1-6 and
- EC 695 - Field Research Units: 1-3  
Complete 3 units of fieldwork or independent study.  
**OR**
- EC 691 - Comprehensive Exam Units: 3  
plus 2 additional 3-unit seminars for a total of 9 units.

### Approved Electives (6 Units)

Complete one 3-unit research methods elective, chosen from an approved list, to be completed no later than the third semester.

Complete one additional course at the graduate or upper-division undergraduate level from a list of elective options approved by the graduate coordinator.

## Graduate Seminars (15 Units)

Complete at least one seminar from each of the following three curriculum areas. Seminars are developed by the advisory committee comprised of program faculty.

### Economic & Political Dimensions

Course topics including: Politics of Sustainability, Globalism, Capitalism, and Environment, Political Ecology, and Colonialism/Decolonization

- EC 620 - Economic-Political Dimensions Units: 3  
**OR**
- ENGR 532 - Energy, Environment and Society Units: 4

### Socio-Cultural Dimensions

Course topics including: Community and Place, Klamath River Issues, Decolonizing Methodologies

- EC 630 - Socio-Cultural Dimensions Units: 3

### Ecological Dimensions

Course topics including: Ecosystems and Society, Conservation Ecology and Society

- EC 640 - Ecological Dimensions Units: 3

## Environment & Community Program Learning Outcomes

Students completing this program will have demonstrated:

- skills to analyze the environmental consequences of economic and political structures and decisions
- tools to address issues of race, class, and gender in environment-community relationships
- an understanding of community, place, and sense of place
- knowledge of and experience in diverse approaches to social science research and action
- insight from case studies that offer a problem-solving approach to learning
- preparation for careers in teaching, government, community, and environmental organizations
- an ethic of service and civic engagement.

## Program Faculty

Janelle Adsit, English  
Mark Baker, Program Coordinator, Politics  
Kayla Begay, Native American Studies  
Renee Byrd, English  
Deepti Chatti, Environmental Studies  
Leena Dallasheh, History  
Matthew Derrick, Geography  
Yvonne Everett, Environmental Science & Management  
Kevin Fingerman, Environmental Science & Management  
Nikola Hobbel, English  
Arne Jacobson, Environmental Resources Engineering  
Matt Johnson, Wildlife  
Erin Kelly, Forestry & Wildland Resources  
John Meyer, Politics  
Nicholas Perdue, Geography  
Sarah Ray, Environmental Studies  
Kaitlin Reed, Native American Studies  
Cutcha Risling Baldy, Native American Studies  
Maxwell Schnurer, Communication  
Marlon Sherman, Native American Studies  
Tony Silvaggio, Sociology  
Noah Zerbe, Politics

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# Social Work, M.S.W.

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## Program Admission Requirements

You must complete the following requirements before being considered for admission:

- Baccalaureate degree from an accredited four-year liberal arts institution.
- GPA of 3.00 or better on a 4.00 scale for the last 60 hours of academic coursework (recommended).
- Completion of the following courses (with a grade of "C" or better): elementary statistics (math, psychology, or sociology; MATH 103 does not count); a course related to Native American studies. The course must include a general introduction to the history of Native peoples of America and the unique and sovereign relationship between tribal nations and local, state, and federal governments.
- See Admission Information in this catalog, the Office of Admissions website or the Department of Social Work website for additional graduate application information.

## Conditional Program Admission

Students who lack adequate undergraduate preparation may receive conditional program admission. Conditionally admitted students must complete all undergraduate coursework prior to beginning the master's program, including the elementary statistics and Native American studies prerequisites with a "C" or better.

## Program Schedule Options

The full-time master's program schedule consists of 60 units over two years of study. Students who have a bachelor's degree in social work from a CSWE accredited program can apply for the Advanced Standing Program which consists of 36 units taken over 3 semesters of study, beginning with 6 units offered through the College of Extended Education & Global Engagement in the summer.

## Part-Time Distributed Learning MSW Program

The department offers a part-time (3.5 year) Distributed Learning MSW Program through the College of Extended Education & Global Engagement. The program is delivered through online coursework, an annual on-campus intensive, and other learning methodologies. Foundation coursework is completed over the first 5 semesters, while advanced coursework is completed over the final 5 semesters. A Part-Time Advanced Standing Distributed Learning MSW program (2 years) is also offered, which adds 6 units of summer bridge courses before advanced coursework. Distributed Learning MSW students enroll in an additional 1.5 unit "Distributed Learning Community Seminar" each semester they are in the program. For more information, contact the MSW Programs Office at 707-826-4443.

## Requirements for the Degree (60 units)

For a description of degree requirements to be fulfilled in addition to those listed below see, "Master's Degree Requirements".

### Foundation Coursework (30 Units)

- SW 530 - Social Policy and Services Units: 3
- SW 540 - Generalist Social Work Practice Units: 3
- SW 541 - GSWP: Native American and Rural Units: 3
- SW 543 - GSWP II: Macro Practice Units: 3
- SW 550 - Human Development, Diversity and Relations Units: 3
- SW 555 - Foundation Internship Units: 3 (3 unit course taken twice)

- SW 570 - Dynamics of Groups, Agencies, Organizations Units: 3
- SW 582 - Research I: Philosophy and Methods Units: 3
- SW 583 - Research II: Qualitative and Indigenous Research Methods Units: 3

### Advanced Coursework (30 Units)

- SW 640 - AGP: Child and Family Welfare Units: 3
- SW 641 - AGP: Integrated Clinical Practice Units: 3
- SW 643 - AGP: Community and Organization Units: 3
- SW 648 - AGP: Advanced Clinical Practice Units: 3
- SW 649 - AGP: Wellness and Sustainability Units: 3
- SW 651 - AGP: Indigenous Peoples Units: 3
- SW 655 - Advanced Internship Units: 3 (3 unit course taken twice)
- SW 682 - Masters Project Development Units: 3
- SW 683 - Masters Project Implementation Units: 3

## Culminating Experience

Prior to graduation students must successfully complete a comprehensive exam.

## Pupil Personnel Services Credential - Social Work (PPSC-SW)

The PPSC-SSW prepares graduates to practice school social work. This is a post-MSW credential program consisting of two 3-unit online courses. These courses are offered each summer through the College of Extended Education & Global Engagement. Completion of a Master's of Social Work (MSW) degree from a CSWE accredited program is required prior to beginning this credential program. Contact the PPSC Coordinator for more information

## Program Learning Outcomes

See the Department of Social Work website for specific social work competencies and behaviors recognized as the framework for social work education.

Students completing this program will have demonstrated the ability to:

- demonstrate ethical and professional behavior, particularly with respect to work with Indigenous and rural communities, consistent with advanced generalist practice.
- engage diversity and difference in practice, particularly with respect to work with Indigenous and rural communities, consistent with advanced generalist practice.
- advance human rights and social, economic, and environmental justice, particularly with respect to work with Indigenous and rural communities, consistent with advanced generalist practice.
- engage in practice-informed research and research-informed practice, particularly with respect to work with Indigenous and rural communities, consistent with advanced generalist practice.
- engage in policy practice, particularly with respect to work with Indigenous and rural communities, consistent with advanced generalist practice.
- engage with individuals, families, groups, organizations, and communities, particularly with respect to work with Indigenous and rural communities, consistent with advanced generalist practice.
- assess individuals, families, groups, organizations, and communities, particularly with respect to work with

Indigenous and rural communities, consistent with advanced generalist practice.

- intervene with individuals, families, groups, organizations, and communities, particularly with respect to work with Indigenous and rural communities, consistent with advanced generalist practice.
- evaluate practice with individuals, families, groups, organizations, and communities, particularly with respect to work with Indigenous and rural communities, consistent with advanced generalist practice.

## **Programs Leading to Licensure and Credentialing**

Admission into programs leading to licensure and credentialing does not guarantee that students will obtain a license or credential. Licensure and credentialing requirements are set by agencies that are not controlled by or affiliated with the CSU and requirements can change at any time. For example, licensure or credentialing requirements can include evidence of the right to work in the United States (e.g., social security number or taxpayer identification number) or successfully passing a criminal background check. Students are responsible for determining whether they can meet licensure or credentialing requirements. The CSU will not refund tuition, fees or any associated costs to students who determine subsequent to admission that they cannot meet licensure or credentialing requirements. Information concerning licensure and credentialing requirements are available from the Office of Academic Affairs, Siemens Hall 216, 707-826-3722.

The California State University has not determined whether its programs meet other states' educational or professional requirements for licensure and certification. Students enrolled in a California State University program who are planning to pursue licensure or certification in other states are responsible for determining whether they will meet their state's requirements for licensure or certification. This disclosure is made pursuant to 34 CFR §668.43(a)(5)(v)(C).

# Minors

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## American Indian Education Minor

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The American Indian Education (AIE) minor provides an understanding of the particular educational needs of American Indian students, as well as the skills to apply methodologies and classroom practices conducive to academic success and validation of cultural identity and values.

Having a positive self-identity and strong cultural affirmation is key for the success of any student in school and in life, but American Indian students face assaults on their identity and culture on a daily basis. To help ensure success in working with American Indian students and communities, the College of Professional Studies provides a rigorous curriculum designed to heighten awareness of the numerous and complex issues surrounding American Indian education, along with successful educational models and classroom applications.

### Requirements for the Minor (15 Units)

- AIE 330 - History of Indian Education Units: 3
- AIE 335 - Social and Cultural Considerations Units: 3
- AIE 340 - Instructional Practices in American Indian Education Units: 3

### Child Growth & Development

Complete one course (3 units) from the following:

- CD 209 - Middle Childhood Development Units: 3
- CD 253 - Prenatal and Infant Development Units: 3
- CD 255 - Early Childhood Development Units: 3

### Language & Communication Awareness

Complete one course (3 units) from the following:

- AIE 380 - Special Topics Units: 0.5-3
- AIE 580 - Special Topics Units: 0.5-3
- NAS 340 - Language and Communication in Native American Communities Units: 3
- NAS 345 - Native Languages of North America Units: 3

**Notes:** AIE courses also comprise a specialization within the Child Development and Family Relationships major, as well as a special area of emphasis in the M.A. Education program. AIE courses are available to all Cal Poly Humboldt students. Community members may enroll through Extended Education; call 707-826-3731 for a schedule of classes.

#### Advisor

Kishan Lara-Cooper, Ph.D.  
Department of Child Development  
Harry Griffith Hall 229  
707-826-3471

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## American Sign Language and Special Populations Minor

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The American Sign Language and Special Populations Minor is designed to assist individuals who wish to work with the deaf or hard of hearing and/or children with special needs. Individuals will find the minor useful if they seek employment as early interventionists, family service providers, teachers of special education, teachers of the hard of hearing or deaf, or teachers of children with language delays.

The minor is designed to help prepare students to work in an entry-level position with children and families that use American Sign Language as a means of communication or who might benefit from using signed speech in combination with verbal communication. The minor provides the student with background in child development, language acquisition, American Sign Language, life and culture of the deaf and hard of hearing communities, and experiences of families with children with special needs.

### Requirements for the Minor (19 Units)

Complete one course from the following:

- CD 209 - Middle Childhood Development Units: 3
- CD 253 - Prenatal and Infant Development Units: 3
- CD 255 - Early Childhood Development Units: 3
- CD 350 - Perspectives: Life-Span Development Units: 3

### American Sign Language

Students with extensive prior experience using ASL may take the challenge exam to complete CD 109Y. See Challenge Process below.

- CD 109Y - American Sign Language: Level I Units: 3 and
- CD 109Z - American Sign Language: Level II Units: 3

### Language Acquisition

- CD 355 - Language Development Units: 3

### Special Needs Populations

- CD 366 - Exceptional Children and Their Families Units: 3
- COMM 222 - Intercultural Communication Units: 4 or
- COMM 324 - Nonverbal Communication Units: 4

### Challenge Process

The challenge process requires students to inform instructor of desire to challenge and take exam within the first two weeks of the semester. Students should not enroll in the course they wish to challenge. The student must earn a 70 percent or greater on the challenge exam to earn a credit in CD 109Y and before proceeding to CD 109Z.

#### Advisor

Kishan Lara-Cooper, Ph.D.

Department of Child Development  
Harry Griffith Hall 229  
707-826-3471

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## Anthropology Minor

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### Requirements for the Minor (15 Units)

- ANTH 104 - Cultural Anthropology Units: 3  
**OR**
- ANTH 102 - Introduction to the Anthropology of Language Units: 3
- ANTH 103 - Biological Anthropology Units: 3  
**OR**
- ANTH 105 - Archaeology and World Prehistory Units: 3

## Upper Division Electives

- Complete 9 units of upper division anthropology (ANTH) courses.

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## Applied Statistics Minor

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It is increasingly necessary for practitioners in any quantitative discipline to have a substantial background in statistics. Whereas statistics has traditionally played a central role in the biological and natural resources sciences, it is now equally important in business, economics, and the social sciences.

The applied statistics minor is designed to provide the broad statistical knowledge and practical skills needed for application of statistical techniques to research and management problems in a wide variety of disciplines. The introductory, intermediate, and topics courses include computer laboratory sessions, in which students learn to use statistical software. The minor culminates with an upper division applications course.

Different choices for the introductory, intermediate, and applications courses make the applied statistics minor an attractive complement to bachelor's degree programs in business, economics, psychology, and the biological and natural resources sciences.

### Requirements for the Minor (25-28 units)

- MATH 102 - Algebra and Elementary Functions Units: 4 or equivalent

### Mathematics Elective

Complete one course.

- MATH 105 - Calculus for the Biological Sciences and Natural Resources Units: 3
- MATH 107 - Introduction to Linear Algebra Units: 3
- MATH 109 - Calculus I Units: 4

### Lower Division Statistics

Complete one of the following:

- PSYC 109 - Introduction to Psychological Statistics Units: 4
- STAT 108 - Elementary Statistics Units: 3
- STAT 108I - Elementary Statistics with Integrated Support Units: 3
- STAT 109 - Introductory Biostatistics Units: 4

### Intermediate Statistics

Complete one of the following courses:

- PSYC 478 - Analysis of Variance Units: 4
- STAT 333 - Linear Regression Models/ANOVA Units: 4

### Upper Division Statistics

Complete two courses from the following list:

- STAT 323 - Probability Theory and Mathematical Statistics Units: 4
- STAT 404 - Multivariate Statistics Units: 4
- STAT 406 - Sampling Design and Analysis Units: 4
- STAT 410 - Modern Statistical Modeling Units: 4
- STAT 480 - Selected Topics in Statistics Units: 1-3

## Advanced Applications

Complete one course from the following list:

- BA 446 - Marketing Research Units: 4
- FISH 458 - Fish Population Dynamics Units: 4
- FOR 311 - Forest Mensuration and Growth Units: 4
- PSYC 488 - Regression/Multivariate Topics Units: 4
- WLDF 311 - Wildlife Techniques Units: 4
- WLDF 478 - Ecology of Wildlife Populations Units: 3
- or other applications course with substantial statistics content, as approved by the Applied Statistics coordinator.

### Information

Department of Mathematics website

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## Appropriate Technology Minor

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The term "appropriate technology" challenges the presumed inevitability or naturalness of technological development. At the same time, the question of which technologies are "appropriate" resists easy or predetermined answers. A minor in appropriate technology allows students to familiarize themselves with promising technologies, while also developing their understanding of the political, social, and economic processes by which choices about technologies are - and might be - made.

Courses enable students to combine theory and practice, often through hands-on projects at the Campus Center for Appropriate Technology (CCAT). CCAT is a student-run, living laboratory and demonstration home located on campus. It models effective energy use, a photovoltaic electrical system, solar hot water heating, graywater recycling, a composting privy, organic gardening, low-impact building materials, and many other technologies, in a residential setting.

The minor can be of particular value to students wishing to pursue careers in science, public policy-making, or community development. It can also be useful for students wishing to volunteer for the Peace Corps or other overseas development work. For those wishing to design and develop technological systems professionally, the minor is not an adequate substitute for a major in Environmental Resources Engineering or a related field.

### Requirements for the Minor (20 Units)

- ENST 123 - CCAT Practicum: Variable Topics Units: 1 (1 unit course taken twice, each with a different topic, for a total of 2 units)
- ENGR 305 - Appropriate Technology Units: 3
- ENGR 308 - Technology and the Environment Units: 3
- PSCI 364 - Technology and Development Units: 4
- PSCI 373 - Politics of Sustainability Units: 4
- SOC 320 - Environmental Sociology Units: 4

#### Advisors

Advisor, Arne Jacobson, Ph.D.

Department of Environmental Resources Engineering

Advisor, John Meyer, Ph.D.

Department of Politics

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## Art History Minor

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### Requirements for the Minor (19 units)

A grade of C- or better is required in all course used for the minor.

## Lower Division (9 Units)

- ART 103A - Prehistoric to Medieval Art Units: 3
- ART 103B - Renaissance to Contemporary Art Units: 3

## Lower Division Art History Electives

Complete one lower division art history courses. See the list of approved courses below.

- ART 104B - Ancient Art Units: 3
- ART 104C - Medieval Art Units: 3
- ART 104F - Renaissance Art Units: 3
- ART 104G - Baroque Art Units: 3
- ART 104H - 19th Century Art Units: 3
- ART 104I - 20th Century Art Units: 3
- ART 104J - American Art Units: 3
- ART 104K - Africa, Oceania, the Americas Units: 3
- ART 104M - Latin American Art Units: 3
- ART 104N - Asian Art Units: 3

## Upper Division (10 Units)

- ART 410 - Art History Seminar Units: 4

## Upper Division Electives

Complete two courses (6 units).

- ART 301 - Topics in Western Art History Units: 3
- ART 301M - Topics in Western Art History Depth Experience Units: 1
- ART 302 - Topics in Global Art History Units: 3
- ART 302M - Topics in Global Art History Depth Experience Units: 1
- ART 303 - Global Contemporary Art Units: 3
- ART 303M - Global Contemporary Art Depth Experience Units: 1
- ART 304 - Topics in American Art Units: 3
- ART 304M - Topics in America Art Depth Experience Units: 1
- ART 305 - Museums and the Politics of Display Units: 3
- ART 354 - Problems in Art History Units: 1-4

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## Art Studio Minor

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### Requirements for the Minor (18 Units)

Students must earn a grade of C- or better in all courses counted toward the minor.

#### Lower Division (9 Units)

- ART 105B - Fundamentals of Drawing Units: 3

#### Lower Division Studio Electives

Complete two courses (6 units).

- ART 106 - Painting I Units: 3
- ART 107 - Printmaking I Units: 3
- ART 108 - Digital Media I Units: 3
- ART 109 - Sculpture I Units: 3
- ART 112 - Scientific Drawing I Units: 3
- ART 122 - Life Drawing I Units: 3
- ART 250 - Darkroom Photography Units: 3

- ART 251 - Photography I Units: 3
- ART 273 - Illustration I Units: 3
- ART 282 - Jewelry/Small Metals I Units: 3
- ART 290 - Ceramics I Units: 3

#### Upper Division Studio Electives (9 Units)

Complete three courses (9 units).

- ART 321 - Drawing II Units: 3
- ART 324 - Drawing III Units: 3
- ART 325 - Life Drawing II Units: 3
- ART 326 - Painting II Units: 3
- ART 329 - Painting III Units: 3
- ART 330 - Printmaking: Studio Topics Units: 3
- ART 333 - Printmaking Portfolio Development Units: 3
- ART 337 - Photography: Studio Topics Units: 3
- ART 340 - Digital Media II Units: 3
- ART 339 - Photography : Portfolio Development Units: 3
- ART 345 - Sculpture: Studio Topics Units: 3
- ART 346 - Sculpture: Materials and Methods Units: 3
- ART 347 - Sculpture: Portfolio Development Units: 3
- ART 348 - Jewelry/Small Metals: Casting and Fabrication Units: 3
- ART 349 - Jewelry/Small Metals: Studio Units: 3
- ART 350 - Ceramics: High Fire Units: 3
- ART 351 - Ceramics: Low Fire Units: 3
- ART 359 - Ceramics: Portfolio Development Units: 3
- ART 367 - Photography II Units: 3
- ART 372 - Digital Media: Studio Topics Units: 3
- ART 372B - Radical Graphics: Activism and Climate Units: 3
- ART 373 - Illustration II Units: 3
- ART 395 - Topics in Studio Art Units: 1-6
- ART 396B - Art Workshop Units: 1
- ART 499 - Directed Study Units: 1-6

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## Astronomy Minor

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### Requirements for the Minor (21-32 Units)

A minimum grade of C- is required for all courses with the "PHYX" prefix for the physics minor.

Complete one of the following math and physics series of courses.

- MATH 101T - Trigonometry Units: 3 **OR**
- MATH 102 - Algebra and Elementary Functions Units: 4
- PHYX 104 - Descriptive Astronomy Units: 4
- PHYX 106 - College Physics: Mechanics and Heat Units: 4
- PHYX 107 - College Physics: Electromagnetism and Modern Physics Units: 4
- OR**
- MATH 109 - Calculus I Units: 4
- MATH 110 - Calculus II Units: 4
- MATH 210 - Calculus III Units: 4
- PHYX 109 - General Physics A: Mechanics Units: 4

- PHYX 210 - General Physics B: Thermodynamics, Waves and Optics Units: 4
- PHYX 211 - General Physics C: Electricity, Magnetism Units: 4

### Upper Division Electives

Complete two of the following courses.

- PHYX 303 - Life in the Universe Units: 3
- PHYX 304 - Cosmos Units: 4
- PHYX 310 - Spacetime and Relativity Units: 3
- PHYX 360 - Physics of Stars and Planets Units: 4
- PHYX 361 - Galaxies and Cosmology Units: 4

## Biology Minor

### Requirements for the Minor (23-24 Units)

#### Lower Division

- BIOL 105 - Principles of Biology Units: 4
- BOT 105 - General Botany Units: 4
- ZOOL 110 - Introductory Zoology Units: 4

#### Upper Division

Complete one of the following courses.

- BIOL 350 - Cell Biology Units: 3
- BOT 310 - General Plant Physiology Units: 4
- ZOOL 310 - Animal Physiology Units: 4
- ZOOL 312 - Human Physiology Units: 4

#### Upper Division Electives

Complete an additional 8 units of upper division courses (approved by minor advisor) in at least two of these three areas: biology (BIOL), botany (BOT) and zoology (ZOOL). Of these 8 units, a minimum of 6 units must be courses NOT used to satisfy major requirements. BIOL 307 is the only upper division GE Area B course that can be used to satisfy requirements for the biology minor.

## Botany Minor

### Requirements for the Minor (22 Units)

- BIOL 105 - Principles of Biology Units: 4
- BOT 105 - General Botany Units: 4

#### Upper Division Electives

Complete 14 units of upper division courses in botany, approved by minor advisor. Of these 14 units, a minimum of 6 units must be courses NOT used to satisfy your major requirements.

Note: BOT 300 - Plants and Civilization may NOT be used to satisfy requirements for the botany minor.

## Business Administration Minor

A minor in business can complement your existing major by adding practical applied skills that are useful for the job market.

### Requirements for the Minor (18 Units)

Students must earn a minimum grade of C- in all required courses.

Complete a minimum of 18 units, 9 of which must be upper division. Students must meet with the minor advisor before completing two courses in the program. The following are suggested tracks for a minor. Students who minor in Business Administration, who also intend to enter the MBA program at Cal Poly Humboldt, must take ECON 210 as an additional class.

### Accounting/Finance Track

- BA 250 - Financial Accounting Units: 4
- BA 252 - Management Accounting Units: 4
- BA 360 - Principles of Finance Units: 4
- BA 453 - Tax Accounting Units: 4
- BA 460 - Responsible Investment Management Units: 4

### General Business Track

- BA 105 - Critical Thinking in Organizations Units: 3
- BA 210 - Legal Environment of Business Units: 4
- BA 340 - Principles of Marketing Units: 4
- BA 370 - Principles of Management Units: 4
- BA 432 - Leading Sustainable Ventures Units: 4

### Marketing Track

- BA 105 - Critical Thinking in Organizations Units: 3
- BA 340 - Principles of Marketing Units: 4
- BA 445 - Marketing Communications Units: 4
- BA 448 - Consumer Behavior Units: 4
- BA 449 - Macromarketing Units: 4

### MBA Track

- STAT 108 - Elementary Statistics Units: 3  
**OR**
- STAT 108I - Elementary Statistics with Integrated Support Units: 3
- BA 250 - Financial Accounting Units: 4
- BA 340 - Principles of Marketing Units: 4
- BA 360 - Principles of Finance Units: 4
- BA 370 - Principles of Management Units: 4

### New Venture Management Track

- BA 105 - Critical Thinking in Organizations Units: 3
- BA 370 - Principles of Management Units: 4
- BA 430 - Introduction to New Ventures Units: 4
- BA 431 - Global E-Commerce Entrepreneurship Units: 4
- BA 433 - Service Venture Management Units: 4

## Chemistry Minor

### Requirements for the Minor (25 Units)

Students must earn a minimum grade of C- in all courses with the "CHEM" prefix for the chemistry minor.

#### Lower Division

- CHEM 109 - General Chemistry I Units: 5
- CHEM 110 - General Chemistry II Units: 5

#### Upper Division



Complete 15 approved units, including at least one of the following sequences. A minimum of 8 upper division units must be earned at Cal Poly Humboldt.

- CHEM 323 - Nuclear Magnetic Resonance Spectroscopy (NMR) Techniques Units: 1
- CHEM 324 - Organic Chemistry I Units: 3
- CHEM 324L - Organic Chemistry I Laboratory Units: 2
- CHEM 325 - Organic Chemistry II Units: 3
- CHEM 325L - Organic Chemistry II Laboratory Units: 2
  
- CHEM 341 - Quantitative Analysis Units: 5
- CHEM 441 - Instrumental Analysis Units: 4
  
- CHEM 361 - Physical Chemistry I Units: 3
- CHEM 362 - Physical Chemistry II Units: 3
- CHEM 363 - Physical Chemistry II Lab Units: 2
  
- CHEM 434 - Biochemistry I Units: 3
- CHEM 434L - Biochemistry I Laboratory Units: 2
- CHEM 435 - Biochemistry II Units: 3
- CHEM 435L - Biochemistry II Laboratory Units: 2

### Approved Elective Courses

In addition to the sequences above, the following elective courses are approved for all students.

- CHEM 310 - Inorganic Chemistry I Units: 3
- CHEM 330 - Molecular Modeling Units: 3
- CHEM 370 - Earth System Chemistry Units: 3
- CHEM 410 - Inorganic Chemistry II Units: 3
- CHEM 410L - Inorganic Chemistry II Lab Units: 2
- CHEM 495 - Undergraduate Research Units: 1-3

### Approved Elective Courses (with restrictions)

The following courses are approved for all students except those listed:

- CHEM 228 - Brief Organic Chemistry Units: 4  
[not approved for students getting credit for CHEM 324/CHEM 324L or CHEM 325/CHEM 325L]
- CHEM 438 - Introductory Biochemistry Units: 4  
[not approved for students getting credit for CHEM 434/CHEM 434L or CHEM 435L/CHEM 435L]

### Approved Elective Courses (Other Disciplines)

One of the following courses can be counted as an elective in the chemistry minor.

- BIOL 564 - Transmission and Scanning Electron Microscopy Units: 4
- ENGR 351 - Introduction to Water Quality Units: 4
- GEOL 312 - Earth Materials Units: 4
- OCN 330 - Chemical Oceanography Units: 4
- PHYX 315 - Introduction to Electronics and Electronic Instrumentation Units: 3
- PHYX 325 - Thermal Physics Units: 4

- PHYX 340 - Mathematical and Computational Methods Units: 2

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## Communication Minor

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### Requirements for the Minor (12 Units)

Complete 12 units of communication (COMM) courses, with 6 units from upper division courses. No more than 3 units from activity courses counted toward the minor.

If used for general education, COMM 100 - Fundamentals of Speech Communication and COMM 103 - Critical Listening and Thinking cannot be used to meet the 12 units required for the minor.

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## Comparative Ethnic Studies Minor

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Comparative Ethnic Studies uses interdisciplinary and cross-cultural comparative methods to provide diverse perspectives that challenge monolithic thinking about the formation of identities and societies. It reveals silenced and marginalized voices from different frames of cultural reference and seem silenced while others seem amplified in local, national, and global contexts. This program specifically explores and compares the experiences of American ethnic groups (such as African Americans, Latin@s, Asian Americans, Native Americans, and Euro-Americans) at the local and national level. At the same time, it pushes students to think globally and reach beyond American borders. It prepares students to better understand the intersections of race, ethnicity, class, gender, sexuality, nationality, and religion in the experiences of all groups and individuals, including those with privilege and power. Comparative Ethnic Studies creates a complex, self-reflexive, inclusive, and interactive model for critical thinking and social change. By developing students' awareness of human interconnection, social inequality, and cultural diversity, Comparative Ethnic Studies promotes human interactions for social justice in the 21st century.

To prepare for the Comparative Ethnic Studies Minor, we recommend that high school students take American ethnic literature, social studies, and history.

### Requirements for the Minor (16 Units)

- ES 105 - Introduction to US Ethnic Studies Units: 3
- ES 301 - Media and the Politics of Representation Units: 4
- ES 308 - Multi-Ethnic Resistance in the U.S. Units: 3

### Approved Elective Courses

Complete 6 units from the following:

- ES 202 - Hip Hop and the Black Experience Units: 3
  - ES 210 - CouRaGeouS Cuentos Production Units: 2
  - ES 303 - From Civil Rights, Black Power to Black Lives Matter Units: 3
  - ES 304 - Migrations and Mosaics Units: 3
  - ES 305 - African American Cultural History Units: 3
  - ES 306 - World Regions Cultural Studies Units: 3
  - ES 314 - Chicano Culture and Society in America Units: 3
  - ES 317 - Campus Dialogue on Race Units: 1
  
  - ES 336 - U.S. Writers of Color Units: 4
- OR**

- WS 336 - U.S. Writers of Color Units: 4  
**OR**
- ENGL 336 - U.S. Writers of Color Units: 4
- ES 480 - Selected Topics in Ethnic Studies Units: 1-4
- or other advisor approved course.

- DANC 248 - Danza Azteca Units: 1

## Dance/Movement Elective Courses

Complete 8 units (at least 1 unit must be upper division) from the following:

- DANC 103 - Modern/Contemporary I Units: 3
- DANC 103T - Modern/Contemporary I Skills Maintenance Units: 1
- DANC 104T - Modern/Contemporary II Skills Maintenance Units: 1
- DANC 110 - Ballet I Units: 2
- DANC 110T - Ballet I Skills Maintenance Units: 1
- DANC 120 - Jazz Dance Styles I Units: 2
- DANC 120T - Jazz Styles I Skills Maintenance Units: 1
- DANC 240 - African Dance Units: 1
- DANC 241 - Hip-hop Dance Units: 1
- DANC 243 - Tap Dance Units: 1
- DANC 245 - Middle Eastern Dance Units: 1
- DANC 247 - Mexican Folklorico Dance Units: 1
- DANC 248 - Danza Azteca Units: 1
- DANC 310 - Ballet II Units: 2
- DANC 310T - Ballet II Skills Maintenance Units: 1
- DANC 320 - Jazz Dance Styles II Units: 2
- DANC 320T - Jazz Styles II Skills Maintenance Units: 1
- DANC 330 - Modern/Contemporary III Units: 2
- DANC 330T - Modern/Contemporary III Skills Maintenance Units: 1
- DANC 350 - Dance Science Units: 2
- DANC 352 - Bodyworks Units: 3
- DANC 380 - Special Topics in Dance - Activity Based Units: 1-3
- DANC 480 - Special Topics in Dance Units: 1-4
- DANC 488 - Dance Performance Ensemble Units: 1-4
- DANC 489 - Dance Theatre Production Units: 3
- PE 192 - Latin Dance Units: 1
- PE 196 - Swing Dance Units: 1

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## Computer Science Minor

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### Requirements for the Minor (18 Units)

Appropriate substitutions may be approved by the minor advisor but the total units for the minor must equal to at least 18 units.

- CS 111 - Computer Science Foundations 1 Units: 4
- CS 112 - Computer Science Foundations 2 Units: 4

### Computer Science Elective Courses (10 Units)

Complete at least three approved elective courses, totaling at least 10 units. At least two of the courses must be upper division computer science courses with a "CS" prefix, totaling at least 6 units. (CS 482 and CS 499 cannot be used for this upper division requirement.)

General Education courses cannot be used as approved elective courses.

The total combined units from CS 482 and CS 499 cannot count for more than 3 units toward the minor.

The remaining course(s) needed to reach at least 10 units of elective courses may be lower division CS course(s), upper division CS course(s), at most 3 units combined from CS 482 and/or CS 499, or one of the following electives:

- GSP 318 - Geospatial Programming I Units: 3
- PHYX 316 - Electronic Instrumentation and Control Systems Units: 4

#### Note:

Check course prerequisites and consult with your advisor as needed.

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## Dance Minor

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Minors develop an understanding of dance as an art form and as a unique cultural and social expression. Students develop skills in physical techniques, creative process, collaboration, and performance. Dance minors are encouraged to participate in informal and mainstage dance performances.

### Requirements for the Minor (18 Units)

The program must be approved by the dance minor advisor. Transfer students must complete 9 units at Cal Poly Humboldt.

- DANC 104 - Modern/Contemporary II Units: 3
- DANC 287 - Choreography with Rhythmic Analysis Units: 1
- DANC 303 - Dance in World Cultures Units: 3
- DANC 389 - Choreography II Units: 2

### Dance Elective

Complete one of the following six courses.

- DANC 240 - African Dance Units: 1
- DANC 241 - Hip-hop Dance Units: 1
- DANC 243 - Tap Dance Units: 1
- DANC 245 - Middle Eastern Dance Units: 1
- DANC 247 - Mexican Folklorico Dance Units: 1

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## Early Childhood Development Minor

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This minor provides a background in the development of children from birth through age eight with a focus on four interrelated areas. The minor is useful to those wishing to work with children and families.

### Requirements for the Minor (15 Units)

#### Growth & Development

Complete two of the following courses. Note: Completion of one of these courses is a prerequisite to all other courses in the minor.

- CD 253 - Prenatal and Infant Development Units: 3
- CD 255 - Early Childhood Development Units: 3
- CD 350 - Perspectives: Life-Span Development Units: 3

#### Guidance & Discipline

Complete one course.

- CD 257 - Supervised Work with Children I Units: 4

- CD 354 - Methods of Observation Units: 3

## Special Needs of Children

Complete one course.

- CD 362 - Children and Stress Units: 3
- CD 366 - Exceptional Children and Their Families Units: 3
- CD 464 - Atypical Child Development Units: 3

## Family Relations

Complete one course.

- CD 251 - Children, Families and Their Communities Units: 3
- CD 352 - Parent/Child Relationships Units: 3
- CD 467 - Working with Culturally Diverse Families Units: 3

## Child Development Permit

Students who minor in early childhood development may wish to explore requirements for the Child Development Permit, issued by the California Commission on Teacher Credentialing and required for teaching preschool children in state and federally funded programs in California. For permit eligibility and application procedures visit the Child Development Training Consortium's website at [childdevelopment.org](http://childdevelopment.org) or the California Commission on Teacher Credentialing website at [ctc.ca.gov/credentials/CREDS/child-dev-permits.html](http://ctc.ca.gov/credentials/CREDS/child-dev-permits.html).

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## Ecological Restoration Minor

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### Requirements for the Minor (16 Units)

Complete all courses in the minor with a C- or better.

- BOT 105 - General Botany Units: 4
- SOIL 260 - Introduction to Soil Science Units: 3
- ESM 355 - Principles of Ecological Restoration Units: 3

### Complete either:

- FOR 315 - Forest Management Units: 3 AND FOR 431 - Forest Restoration Units: 3
- OR
- RRS 306 - Wildland Resource Principles Units: 3 AND RRS 430 - Wildland Restoration and Development Units: 3

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## Economics Minor

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### Requirements for the Minor (16 Units)

A minimum grade of C- must be earned in all courses required for the minor.

- ECON 210 - Principles of Economics Units: 4

### Upper Division Economics Electives

Complete 12 units from the following list. \*Courses with a corresponding additional depth "D" sections (below). Students are strongly encouraged to take the additional depth section when offered.

- ECON 305 - International Economics and Globalization Units: 3 \*
- ECON 306 - Economics of the Developing World Units: 3 \*
- ECON 308 - History of Economic Thought Units: 3 \*
- ECON 309 - Economics of a Sustainable Society Units: 3 \*
- ECON 310 - Intermediate Microtheory and Strategy Units: 4
- ECON 311 - Intermediate Macroeconomics Units: 4
- ECON 323 - Economic History of the US Units: 3 \*
- ECON 423 - Environmental and Natural Resources Economics Units: 3 \*
- ECON 435 - Principles of Money and Banking Units: 4
- ECON 450 - Energy Economics and Climate Policy Units: 4
- ECON 470S - Sustainable Rural Economic Development Units: 4

## Additional Depth Courses

The following courses can only be taken with the corresponding courses above.

- ECON 305D - International Economics and Globalization - Additional Depth Units: 1
- ECON 306D - Economics of the Developing World - Additional Depth Units: 1
- ECON 308D - History of Economic Thought - Additional Depth Units: 1
- ECON 309D - Economics of a Sustainable Society - Additional Depth Units: 1
- ECON 323D - Economic History of the U.S. - Additional Depth Units: 1
- ECON 423D - Environmental and Natural Resources Economics - Additional Depth Units: 1

### Note:

Students seeking a baccalaureate in business administration with a concentration in economics may not also receive a minor in economics.

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## Environmental and Natural Resources Planning Minor

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### Requirements for the Minor (18 Units)

- ESM 105 - Natural Resource Conservation Units: 3
- ESM 325 - Environmental Law and Regulation Units: 3
- ESM 360 - Introduction to Environmental Planning Methods Units: 3
- ESM 365 - Local Government Planning Units: 3
- ESM 425 - Environmental Impact Assessment Units: 3

### Plus one course from the following:

- ESM 305 - Environmental Conflict Resolution Units: 3
- ESM 460 - Environmental Planning for Public Lands and Rural Communities Units: 3
- ESM 462 - Coastal and Marine Planning Units: 3

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## Environmental Education and Interpretation Minor

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## Requirements for the Minor (19 Units)

- ESM 215 - Natural Resources and Recreation Units: 3
  - ESM 253 - Interpretive Computer Graphics Units: 3
  - ESM 350 - Fundamentals of Environmental Education and Interpretation Units: 3
  - ESM 351 - Environmental Interpretation Field Trip Units: 1
  - ESM 353 - Environmental Education and Interpretation Graphics Units: 3
  - ESM 450 - Applied Environmental Education and Interpretation Units: 3
  
  - ESM 453 - Environmental Education and Interpretation Capstone Units: 4
- OR**
- CD 209 - Middle Childhood Development Units: 3

- ESM 308 - Ecotopia Units: 3
- PHIL 106 - Moral Controversies Units: 3
- PSCI 306 - Environmental Politics Units: 3

## Environmental Decision Making

Complete one course.

- ESM 305 - Environmental Conflict Resolution Units: 3
- WLDF 309 - Case Studies in Environmental Ethics Units: 3

### Advisors

Matt Johnson, Ph.D.  
WFB 222  
707-826-3218

Rick Brown, Ph.D.  
WFB 260  
707-826-3320

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## Environmental Ethics Minor

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This minor provides students with scientific information and a sense of the social, political, and ethical issues involved in environmental decisions. This minor can help students prepare for careers in environmental law, environmental planning, and natural resource professions.

## Requirements for the Minor (15-16 Units)

Courses are listed in preferred sequence.

- PHIL 302 - Environmental Ethics Units: 3

## Introduction to Environment

Complete one course.

- ESM 365 - Local Government Planning Units: 3
- FISH 300 - Introduction to Fishery Biology Units: 3
- FISH 310 - Ichthyology Units: 4
- FOR 130 - Dendrology Units: 3
- FOR 302 - Forest Ecosystems and People Units: 3
- RRS 306 - Wildland Resource Principles Units: 3
- WLDF 301 - Principles of Wildlife Management Units: 3

## Environmental Issues

Complete one course.

- ESM 215 - Natural Resources and Recreation Units: 3
- ENGR 305 - Appropriate Technology Units: 3
- FISH 443 - Problems in Water Pollution Biology Units: 3
- FOR 374 - Wilderness Area Management Units: 3
- FOR 432 - Silviculture Units: 4
- OCN 301 - Marine Ecosystems - Human Impact Units: 3
- OCN 304 - Resources of the Sea Units: 3
- WLDF 423 - Wildlife Management (Nongame Wildlife) Units: 3

Complete one course.

- ECON 309 - Economics of a Sustainable Society Units: 3
- ESM 200 - Inscape and Landscape Units: 3

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## Environmental Policy Minor

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## Requirements for the Minor (18 Units)

- ESM 105 - Natural Resource Conservation Units: 3
  - ESM 305 - Environmental Conflict Resolution Units: 3
  - ESM 325 - Environmental Law and Regulation Units: 3
  
  - ESM 425 - Environmental Impact Assessment Units: 3
- OR**
- PSCI 412 - Legal Research Units: 4

## Elective Courses

Complete one or two courses as needed to meet the minimum 18 units required for the minor.

- ECON 423 - Environmental and Natural Resources Economics Units: 3
- ESM 365 - Local Government Planning Units: 3
- ESM 425 - Environmental Impact Assessment Units: 3 (if not taken for requirement above)
- ESM 460 - Environmental Planning for Public Lands and Rural Communities Units: 3
- ESM 462 - Coastal and Marine Planning Units: 3
- NAS 332 - Environmental Justice Units: 3
- NAS 364 - Federal Indian Law I Units: 4
- NAS 366 - Tribal Water Rights Units: 4
- PSCI 306 - Environmental Politics Units: 3
- PSCI 317 - Public Policy Process Units: 4
- PSCI 343 - Global Governance Units: 4
- PSCI 352 - Water Politics Units: 4
- PSCI 358 - Political Advocacy Units: 4
- PSCI 373 - Politics of Sustainability Units: 4
- PSCI 412 - Legal Research Units: 4 (if not taken for requirement above)

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## Ethnic American Literatures Minor

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Drawing on classes from ethnic studies, Native American studies, and English, this interdisciplinary minor provides the opportunity to study the diverse literatures of multi-ethnic American writers. Students gain an

understanding of the comparative histories, cultures, and resistance movements of ethnic groups in the U.S. through ES 105 or ES 308, required for the minor.

To complete the minor, take another 12 units in ethnic American literature and culture, including ENGL 336/ES 336/WS 336 - U.S. Writers of Color . Courses might concentrate on the literary traditions of a particular group (e.g., African American, Asian American, Indigenous, Latinx literatures) or examine multi-ethnic U.S. literatures in a comparative way. Various special topics courses also may apply, depending on the topic and subject to advisor approval. This minor can be particularly useful for those planning careers in teaching, social work, business, law, journalism, and community development.

## Requirements for the Minor (15 Units)

### Introduction

Complete one course.

- ES 105 - Introduction to US Ethnic Studies Units: 3
- ES 308 - Multi-Ethnic Resistance in the U.S. Units: 3

### Literature and Culture

Complete one of the following courses, plus an additional 8 units of approved elective courses.

- ENGL 336 - U.S. Writers of Color Units: 4
- ES 336 - U.S. Writers of Color Units: 4
- WS 336 - U.S. Writers of Color Units: 4

### Approved Elective Courses

Consult with the advisor for approval of special topics courses not on this list.

- ENGL 232 - U.S. Literature and Social Change Units: 4
- ENGL 308B - Gender and Literature Units: 3
- ENGL 308C - Gender and Literature Units: 3
- ENGL 330 - Topics in Literatures of the Americas Units: 4 [depending on topic; consult advisor]
- ENGL 410 - Topics in Queer and Trans Studies Units: 4 [depending on topic; consult advisor]
- ENGL 465B - Multicultural Issues in Literature/Languages Units: 4 [depending on topic; consult advisor]
- ENGL 465C - Multicultural Issues in Literature/Languages Units: 4 [depending on topic; consult advisor]
- ENGL 471 - Literatures of Body, Environment, World-Building Units: 4 [depending on topic; consult advisor]
- ES 107 - Chican@/Latinx Lives Units: 3
- ES 202 - Hip Hop and the Black Experience Units: 3
- ES 314 - Chicano Culture and Society in America Units: 3
- ES 303 - From Civil Rights, Black Power to Black Lives Matter Units: 3
- ES 301 - Media and the Politics of Representation Units: 4
- ES 336 - U.S. Writers of Color Units: 4 [topics vary; may be repeated]
- ENGL 336 - U.S. Writers of Color Units: 4 [topics vary; may be repeated]
- NAS 301 - Native American Literature Units: 3 [topics vary; may be repeated]
- NAS 302 - Oral Literature and Oral Tradition Units: 3

- WS 107 - Women, Narrative, History Units: 3
- WS 370 - Queer Women's Lives Units: 3-4

### Advisor

Christina Hsu Accomando, Ph.D.

Founders Hall 219

707-826-3479

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## Family Studies Minor

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Examine the family from multiple perspectives, giving special attention to changes in the American family over time and across ethnic and socioeconomic groups. Look at various methods for working with families and helping the family remain strong and healthy.

Knowledge about families is excellent background for work in social services, teaching, community development, community health, counseling, family law, public administration, or public policy.

### Requirements for the Minor (21 Units)

- CD 251 - Children, Families and Their Communities Units: 3
- CD 350 - Perspectives: Life-Span Development Units: 3
- CD 479 - Policy Analysis and Advocacy Units: 3

### Plus one course from each area

Complete a minimum of one course (3 units) in each of the following areas. Courses may not be used to satisfy more than one area.

#### Contemporary Family Dynamics

- CD 352 - Parent/Child Relationships Units: 3
- PSYC 303 - Family Relations in Contemporary Society Units: 3
- SOC 306 - The Changing Family Units: 3

#### Cultural Variations

- AIE 335 - Social and Cultural Considerations Units: 3
- CD 467 - Working with Culturally Diverse Families Units: 3
- COMM 222 - Intercultural Communication Units: 4

#### Interacting with Families

- AIE 335 - Social and Cultural Considerations Units: 3
- CD 366 - Exceptional Children and Their Families Units: 3

#### Special Family Topics

- CD 362 - Children and Stress Units: 3
- CD 366 - Exceptional Children and Their Families Units: 3
- SW 480 - Special Topics Units: 0.5-4 (topic must be related to the family. Requires prior permission to count toward minor)

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## Film Minor

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Steeped within the traditions of independent filmmaking, students learn the fundamentals of fiction and non-fiction film through a production-based, hands-on program. Our curriculum integrates creative exploration and technical skill development with film theory and history, grounded in a liberal arts education that fosters ethical storytellers who artfully explore the human condition in creative ways.

In our foundational Filmmaking I-IV core classes students will develop and master the fundamentals of film and digital production while learning industry protocols, practices and technical workflows. Creating impactful, cinematic stories through the craft and artistry of directing,

writing, cinematography, and editing are key components of these courses.

Students have an opportunity to focus on the environment, social change, natural history and science filmmaking. Humboldt County is home to prime location filming: beaches, redwood forests, Victorian villages, rural farmland, coastal port towns and more. All aspects of the program stress professionalism with an emphasis on quality as well as collaborative and creative processes. Small class size allows for robust participation and discussion by all students and individualized instruction with faculty who are working professional filmmakers.

Students are encouraged to develop films that will identify and reach underserved audiences that exist outside mainstream media and commercial venues. Our program educates students to be an independent voice that is part of the change advocated by Cal Poly Humboldt's mission statement.

Additional information is available on the Film website.

### Requirements for the Minor (20 Units)

- FILM 315 - Filmmaking I Units: 4
- FILM 375 - Filmmaking II Units: 4

### Complete two of the following (8 Units):

- FILM 305 - Art of Film: Beginning to 1950s Units: 3 and
- FILM 317 - Art of Film Discussion: Pre 1950s Units: 1
- FILM 306 - Art of Film: 1950s to the Present Units: 3 and
- FILM 318 - Art of Film Discussion: Post 1950s Units: 1
- FILM 465 - Film Seminar Units: 4 (variable topics)

### Complete one of the following:

- FILM 360 - Science, Environment and Natural History Digital Production Units: 4
- FILM 362 - Social Change Digital Production Units: 4

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## Fire Ecology Minor

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### Requirements for the Minor (15 Units)

- FOR 130 - Dendrology Units: 3 (or an approved course in plant taxonomy)
- FOR 131 - Forest Ecology Units: 3 (or an approved course in ecology)
- FOR 321 - Fire Ecology Units: 3
- FOR 323 - Wildland Fire Behavior and Use Units: 3
- FOR 423 - Wildland Fuels Management Units: 3

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## Fisheries Biology Minor

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### Requirements for the Minor (14-15 Units)

- FISH 310 - Ichthyology Units: 4
- FISH 460 - Advanced Fish Conservation and Management Units: 3

### Emphases

Complete one emphasis.

### Freshwater

- FISH 320 - Limnology Units: 3 and
- FISH 320L - Limnology Practicum Units: 1  
**OR**
- FISH 476 - Ecology of Running Waters Units: 3
- FISH 434 - Ecology of Freshwater Fish Units: 4

### Marine

- OCN 109 - General Oceanography Units: 3
- OCN 109L - General Oceanography Laboratory Units: 1
- FISH 435 - Ecology of Marine Fish Units: 4

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## Forestry Minor

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### Requirements for the Minor (16 Units)

- FOR 130 - Dendrology Units: 3
- FOR 131 - Forest Ecology Units: 3
- FOR 210 - Forest Measurements and Biometry Units: 4
- FOR 315 - Forest Management Units: 3

### Elective Course

Complete one of the following four courses.

- FOR 302 - Forest Ecosystems and People Units: 3
- FOR 321 - Fire Ecology Units: 3
- FOR 374 - Wilderness Area Management Units: 3
- FOR 431 - Forest Restoration Units: 3

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## French and Francophone Studies Minor

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The minor emphasizes French language proficiency as well as Francophone cultural studies appropriate to the individual student's academic and career objectives.

### Requirements for the Minor (20 Units)

- FREN 107 - French Level III Units: 4
- FREN 207 - French IV and Intro to Francophone Studies Units: 4
- FREN 311 - French V and Stories from the Francophone World Units: 4
- FREN 312 - French VI and (R)evolution in Modern French Literature Units: 4

### Upper Division Elective Courses

- Complete an additional 4 units of upper division French & Francophone Studies coursework selected with the approval of the minor advisor.

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## Geography Minor

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### Requirements for the Minor (15 Units)

Students must earn a minimum grade of C- in all required courses for the minor.

### Geographic Foundations (6 Units)

Complete two of the following three options within the geographic foundation.

- GSP 101 - Geospatial Concepts Units: 3
- GEOG 105 - Human Geography Units: 3
- GEOG 106 - Physical Geography Units: 3

### Upper Division Electives (9 Units)

Complete at least three upper division electives approved by the department chair.

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## Geology Minor

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### Requirements for the Minor (17-18 Units)

- GEOL 109 - General Geology Units: 4
- GEOL 110 - Field Geology of the Western US Units: 1-2 (1 unit required)
- GEOL 210 - Earth Systems History Units: 3
- GEOL 335 - Geologic Field Methods I Units: 2
  
- GEOL 312 - Earth Materials Units: 4
- OR
- GEOL 332 - Sedimentary Geology Units: 4

### Complete one of the following:

- GEOL 300 - Geology of California Units: 3 and
- GEOL 300L - Geology of California Field Trip Units: 1
  
- GEOL 303 - Earth Resources and Global Environmental Change Units: 3
- GEOL 306 - General Geomorphology Units: 3
- GEOL 308 - Natural Disasters Units: 3

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## Geospatial Analysis Minor

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This program prepares students to apply the technologies of geographic information systems, cartography, and multispectral remote sensing, to various disciplines. These cross-disciplinary research tools analyze and portray data across time and geographic space. Although offered through the departments of Environmental Science & Management, Forestry, and Geography, each course carries the GSP (Geospatial) prefix.

Geospatial technologies portray and analyze geographic location and characteristics of physical and human environments. Applying these software technologies, geospatial data is layered and analyzed to understand and communicate complex phenomena such as natural disasters, environmental impact, land coverage change, migrating populations, crime patterns, global warming, and changing economic trends. Geospatial analysis skills are applicable to a growing list of professions, and increasingly sought after by employers.

### Requirements for the Minor (16 Units)

Complete all courses in the minor with a C- or better, and maintain a 2.00 or better GPA in the minor.

- GSP 101 - Geospatial Concepts Units: 3
- GSP 216 - Introduction to Remote Sensing Units: 3
- GSP 270 - Geographic Information Science (GIS) Units: 3
- GSP 316 - Cartography Units: 4

### Complete one course.

- GSP 318 - Geospatial Programming I Units: 3
- GSP 326 - Intermediate Remote Sensing Units: 3

- GSP 330 - Mobile Mapping Units: 3
- GSP 370 - Intermediate Geographic Information Science (GIS) Units: 3
- GSP 416 - Advanced Cartography Design Seminar Units: 4

### Additional Information on GSP Courses & Departments

Because Geospatial Analysis skills are applicable to many different fields of inquiry, GSP courses are offered by three different departments. Some programs offer Geospatial options within their major and are integrated into curricula as major options. Below is a list of all GSP courses at Cal Poly Humboldt organized by the departments that offer them.

#### Department of Environmental Science & Management

Natural Resources Building 200  
707-826-4147  
environment.humboldt.edu

- GSP 270 - Geographic Information Science (GIS) Units: 3
- GSP 318 - Geospatial Programming I Units: 3
- GSP 330 - Mobile Mapping Units: 3
- GSP 370 - Intermediate Geographic Information Science (GIS) Units: 3
- GSP 418 - Geospatial Programming II Units: 3
- GSP 470 - Advanced Geospatial Analysis and Modeling Units: 3
- GSP 570 - Advanced Geospatial Analysis and Modeling Units: 3

#### Department of Forestry & Wildland Resources

Forestry Building 205  
707-826-3935  
fwr.humboldt.edu

- GSP 216 - Introduction to Remote Sensing Units: 3
- GSP 326 - Intermediate Remote Sensing Units: 3
- GSP 436 - Advanced Remote Sensing Units: 3

#### Department of Geography, Environment & Spatial Analysis

Founders Hall 109  
707-826-3946  
geographyhumboldt.edu

- GSP 101 - Geospatial Concepts Units: 3
- GSP 280 - Special Topics in GSP Units: 3
- GSP 316 - Cartography Units: 4
- GSP 416 - Advanced Cartography Design Seminar Units: 4
- GSP 426 - Cartography Practicum Units: 1-4

#### Advisors

Nicholas Perdue  
Founders Hall 134  
707-826-4115  
Nicholas.Perdue@humboldt.edu

Dr. James Graham  
NR 217

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## German Studies Minor

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Students take language classes in a dynamic, student-centered environment that highlights language acquisition as well as cultural sensitivity for the heritage of the German-speaking nations. Beginning students acquire the ability to speak, understand, read, and write in German with reasonable fluency. Students should have a good background in English grammar and syntax. While knowledge of German is welcome, it is not required.

### Study Abroad Options

Students have the opportunity to study abroad with the CSU International Programs in Germany. Students are encouraged to officially plan an academic residency abroad when possible. The cost of the residency abroad varies according to the program and world region. Students should understand the costs involved and plan ahead. Consult with the Cal Poly Humboldt Center for International Programs.

### Possible Careers

Careers in the USA, Europe and other countries include artist, musician, web designer, teacher, ESL teacher, international banker, lawyer, or financier, interpreter, travel agent, tour guide, export/import employee, foreign service officer, foreign correspondent, or work in non-governmental organizations.

### Special Scholarship and Awards

The Department of World Languages and Cultures has three permanent scholarships and awards:

- The Benavides-Garb Family International Travel Award
- The Joe and Helen Bottino Memorial Travel Award
- The Frank B. Wood Scholarship

All language students are encouraged to apply for these important scholarships and awards to enhance language studies with an international residence. Information is available on the Department of World Languages and Cultures webpage.

### Requirements for the Minor (22 Units)

- GERM 105 - German Level I Units: 4
- GERM 106 - German Level II Units: 4
- GERM 107 - German Language and Culture III Units: 4
- GERM 207 - German Language and Culture IV Units: 4

### Upper Division Electives

Complete an additional 6 units selected from the following courses (depending upon interests and particular emphasis of the student), with at least one course from outside of the German program.

Courses offered by various departments, often under the rubric of Special Topics, may be relevant and appropriate to the German Studies minor. Such courses will be approved by the German Studies faculty advisor on a case-by-case basis.

- ART 301 - Topics in Western Art History Units: 3 [when appropriate]
- ECON 305 - International Economics and Globalization Units: 3
- GEOG 472 - Topics in Regional Geography Units: 1-4 [when appropriate]
- GERM 306 - Sex, Class and Culture: Gender and Ethnic Issues in International Short Stories Units: 3
- GERM 480 - Undergraduate Seminar Units: 1-4

- GERM 499 - Directed Study Units: 1-3
- HIST 300 - The Era of World War I Units: 3
- HIST 301 - The Era of World War II Units: 3
- HIST 348 - Modern Germany Units: 4
- PSCI 330 - Political Regimes and Political Change Units: 4 Europe

### About Electives

The department encourages students to combine the study of German with their other academic interests. In addition to the courses listed above, students may use relevant courses from other disciplines as elective credit toward the minor in German Studies. For example: an art history class discussing German art topics; a geography class focused on Western Europe; history and political science classes in which German issues are a major part; or a philosophy class covering German philosophers. Consult with the German advisor about these electives.

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## Health Education Minor

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### Requirements for the Minor (20 units)

Please consult the department chair for current requirements.

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## History Minor

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### Requirements for the Minor (22 Units)

Students must complete courses for the minor with a grade of C- or better.

### Lower Division (10 Units)

- HIST 110 - United States History to 1877 Units: 3  
**OR**
- HIST 111 - United States History from 1877 Units: 3
- HIST 210 - Historical Methods Units: 4

### Lower Division Electives

Complete one course:

- HIST 104 - Western Civilization to 1650 Units: 3
- HIST 105 - Western Civilization, 1650 to Present Units: 3
- HIST 106B - Islamic Societies: The Making of the Muslim Middle East Units: 3
- HIST 107 - East Asian History to 1644 Units: 3
- HIST 108 - East Asian Civilization Since 1644 Units: 3
- HIST 109 - Colonial Latin American History Units: 3
- HIST 109B - Modern Latin America Units: 3
- HIST 200 - World Cultures and History: Prehistory to 1500 CE Units: 3
- HIST 201 - World Cultures and History: 1500 CE to the Present Units: 3

### Upper Division (12 Units)

Complete 12 units from the following three history areas (European History, U.S. History, World Regions History).

#### European History Area

- HIST 300 - The Era of World War I Units: 3 and
- HIST 300R - The Era of World War I, Research Seminar Units: 1



- HIST 301 - The Era of World War II Units: 3 and
- HIST 301R - The Era of World War II, Research Seminar Units: 1
- HIST 314 - Ancient Greek Civilization and History Units: 4
- HIST 315 - History and Civilization of Rome Units: 4
- HIST 322 - The Age of Knights and Monks Units: 4
- HIST 342 - Musketeers, Witches and Kings Units: 4
- HIST 343 - French Revolution and Napoleon Units: 4
- HIST 348 - Modern Germany Units: 4
- HIST 349 - Renaissance and Reformation Units: 4
- HIST 350 - History of the Soviet Union Units: 4
- HIST 353 - Modern Britain Units: 4
- HIST 392 - Special Topics in European History Units: 1-4

#### U.S. History Area

- HIST 305 - The American West Units: 3 and
- HIST 305M - The American West Depth Experience Units: 1
- HIST 368 - Colonial and Revolutionary America Units: 4
- HIST 369 - Age of Jefferson and Jackson Units: 4
- HIST 371 - Civil War and Reconstruction Units: 4
- HIST 372 - Rise of Modern America, 1877- 1929 Units: 4
- HIST 374 - Contemporary America, 1929 to the Present Units: 4
- HIST 375A - US Foreign Relations, 1789-1943 Units: 4
- HIST 375B - US Foreign Relations, 1943-Present Units: 4
- HIST 383 - California History Units: 4
- HIST 391 - Special Topics and Interdisciplinary Studies in History Units: 1-4

#### World Regions History Area

- HIST 319 - Emergence of the Modern Middle East Units: 4
- HIST 323 - Gender and Sexuality in East Asian History Units: 4
- HIST 324 - The Arab-Israeli Conflict: History, Narratives and Nationalism Units: 4
- HIST 326 - History of Mexico Units: 4
- HIST 327 - History of Brazil Units: 4
- HIST 328 - Women and Gender in Latin America Units: 4
- HIST 329 - Imperial China Units: 4
- HIST 338 - Modern Chinese History Units: 4
- HIST 339 - Modern Japanese History Units: 4
- HIST 377 - Vietnam Wars Units: 4
- HIST 393 - Special Topics in Non-Western History Units: 1-4

- NAS 104 - Introduction to Native American Studies Units: 3
- NAS 331 - Indigenous Natural Resource Management Practices Units: 3
- NAS 332 - Environmental Justice Units: 3
- NAS 366 - Tribal Water Rights Units: 4
- NAS 364 - Federal Indian Law I Units: 4  
**OR**
- NAS 365 - Federal Indian Law II Units: 4

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## International Studies Minor

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A minor in International Studies supports the University's mission of encouraging global citizenship by applying a scholarly framework to the processes of globalization in an increasingly interconnected world and the opportunity to examine the process of globalization using an interdisciplinary perspective. For some students, the major's requirement to study abroad and proficiency in a second language presents a challenge, thus the minor adds an international dimension as well a professional component to any program of study.

### Requirements for the Minor (19 Units)

A minimum grade of C- must be earned for all courses in the minor.

- INTL 210 - Introduction to International Studies Units: 4
- INTL 220 - Introduction to Cultural Studies Units: 3
- PSCI 240 - Introduction to International Relations Units: 3
- ECON 305 - International Economics and Globalization Units: 3  
**OR**
- ECON 306 - Economics of the Developing World Units: 3
- INTL 320 - Career Workshop Units: 1
- INTL 387 - International Education Colloquium Units: 1
- INTL 410 - Global Issues Analysis Units: 4

### Program Learning Outcomes

1. the ability to analyze regional and global issues from economic, political, and cultural perspectives;
2. the ability to gather information and use interdisciplinary analysis skills to critically evaluate regional and global issues;
3. proficiency in formal written and oral communication;
4. the skills you need to build an international career.

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## Journalism Minor

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The Journalism minor provides students with skills in digital media production and knowledge in media literacy. Students in the minor can experience hands-on learning producing content for our award-winning student media outlets The Lumberjack, El Leñador, Osprey magazine and KRFH radio station. Students learn ways to communicate information effectively and tell compelling stories across media technologies while thinking more critically about the media they consume and produce.

Depending on their coursework, students with a journalism minor can use their skills and knowledge to land jobs as writers, reporters, page

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## Indigenous Peoples, Natural Resource Use and the Environment Minor

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### Requirements for the Minor (17 Units)

designers, photographers, radio show hosts, public relations representatives, editors, media entrepreneurs and more.

### Requirements for the Minor (16 Units)

- JMC 105 - Introduction to Mass Communication Units: 3
- JMC 120 - Beginning Reporting Units: 3

### Elective Courses

Complete 10 units of approved elective courses, with at least one course from the following list.

- JMC 305 - Global Media and Society Units: 3
- JMC 306 - Mass Media History Units: 3
- JMC 318 - Media Research Units: 3
- JMC 328 - Media Law Units: 3
- JMC 332 - Media Ethics Units: 3

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## Kinesiology Minor

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### Requirements for the Minor (20 units)

Please consult the department chair for current requirements.

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## Linguistics Minor

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Faculty are drawn from several departments for an interdisciplinary, integrated program of study. Participants analyze language in all its aspects.

Linguistics students find they have a background for careers requiring both written and spoken communication skills. Potential careers: linguist, translator, interpreter, advertising specialist, writer, intelligence specialist, speech/language pathologist, speech writer, materials developer, editor, and ESL teacher. This minor also provides a background for students wanting to do graduate work in linguistics, modern languages, or a social science.

### Requirements for the Minor (19 Units)

- ENGL 225 - Linguistic Diversity and Language Analysis Units: 4
- OR
- ENGL 326 - Language Study for Teachers Units: 4

### Philosophical & Anthropological Approaches

Complete one course.

- ANTH 340 - Language and Culture Units: 4
- PHIL 100 - Logic Units: 3
- PHIL 485 - Seminar in Philosophy Units: 3 [topic: Philosophy of Language]

### Language Development

Complete one course.

- ENGL 417 - Second Language Acquisition Units: 3
- ENGL 328 - Structure of American English Units: 4
- ENGL 325 - History of English as a Global Language Units: 4

### Language Study

Complete one year of a language other than English at the university level (6-10 units).

Complete one additional elective course.

- FREN 311 - French V and Stories from the Francophone World Units: 4
- SPAN 311 - Spanish Level V, Advanced Grammar and Composition Units: 4
- other language course with advisor approval

### Culminating Phase

Select course in consultation with advisor.

- LING 495 - Practicum in Language Studies Units: 3 (or equivalent)

#### Advisor

Nikola Hobbel, Ph.D.  
Founders Hall, Room 172  
707-826-3161

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## Literary Publishing Minor

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This interdisciplinary minor provides students a foundation in the skills associated with careers in literary publishing. Students gain hands-on experience working on the staff of the Toyon Multilingual Journal of Literature and Art for at least one semester. Their work is supported by applied study in graphic design. Students in the minor also choose a set of upper-division courses that best align with the career pathway they are interested in: with acquisitions and editorial, translation, printing and production, and/or marketing and publicity.

### Requirements for the Minor (15 Units)

The minor consists of a total of 15 units in related coursework. At least 10 of these units are upper-division.

### Required Course

- ENGL 460 - Literary Editing and Publishing (Toyon) Units: 4

### Graphic Design/Digital Tools

Complete one course.

- ART 108 - Digital Media I Units: 3
- JMC 134 - Photojournalism Units: 3
- JMC 150 - Media Design Units: 3

### Approved Elective Courses

Complete 8 units, with at least 6 at the upper division level. Consult minor advisor for approval of special topics and variable topics courses that are not on the following list.

- ART 301M - Topics in Western Art History Depth Experience Units: 1 (with topic focused on the history of the book, consult advisor)
- BA 340 - Principles of Marketing Units: 4
- ENGL 319 - Podcasts, Social Media, and Web-Based Writing Units: 4
- ENGL 344 - Young Adult Literature Units: 4
- ENGL 461 - Professional Concerns in Writing and Editing Units: 4
- ENGL 482 - Internship Units: 2 (when focus is related to publishing, consult advisor)
- ES 280 - Selected Topics in Ethnic Studies Units: 1-4 (with topic CouRaGeouS Cuentos Production, consult advisor)

- JMC 318 - Media Research Units: 3
- JMC 322 - Editing Units: 3
- JMC 323 - Public Relations Units: 3
- JMC 324 - Feature Writing for Publication Units: 3
- JMC 360 - Advanced El Leñador News Units: 2
- SPAN 308S - Introduction to Translation and Interpretation Units: 3

**Advisor**

Janelle Adsit, Ph.D.  
 Founders Hall 228  
 707-826-5936

## Literature Minor

### Requirements for the Minor (15 units)

Complete a minimum of 15 units, 11 of which must be upper division, no more than 3 units may be general education courses; 9 units must be distinct from units used to fulfill requirements for the English Studies major. Consult the literature minor advisor for course approval and advice in planning a minor appropriate to your needs and interests.

#### Lower Division Elective Courses

- ENGL 218 - Conceptualizing English Studies Units: 4
- ENGL 220 - Representation Matters: Literature and Identity Units: 4
- ENGL 230 - Decolonizing British Literature I Units: 4
- ENGL 231 - Decolonizing British Literature II Units: 4
- ENGL 232 - U.S. Literature and Social Change Units: 4
- ENGL 240 - Topics in World Literature Units: 4

#### Upper Division Elective Courses

- ENGL 305 - Postcolonial Literature/Decolonizing Perspectives Units: 3
- ENGL 306 - Contemporary Texts Units: 3
- ENGL 308B - Gender and Literature Units: 3
- ENGL 308C - Gender and Literature Units: 3
- ENGL 330 - Topics in Literatures of the Americas Units: 4
- ENGL 336 - U.S. Writers of Color Units: 4
- ENGL 342 - Special Topics in Shakespeare Units: 4
- ENGL 350 - Topics in British and Postcolonial Literatures Units: 4
- ENGL 410 - Topics in Queer and Trans Studies Units: 4
- ENGL 420 - Advanced Topics in Critical Theory Units: 4
- ENGL 465B - Multicultural Issues in Literature/Languages Units: 4 (only when topic is literature)
- ENGL 465C - Multicultural Issues in Literature/Languages Units: 4 (only when topic is literature)
- ENGL 471 - Literatures of Body, Environment, World-Building Units: 4
- ENGL 480 - Special Topics Units: 1-4 (only when topic is literature)

**Advisor**

Janet Winston, Ph.D.  
 Founders Hall 213  
 707-826-3913

## Mathematics Minor

### Requirements for the Minor (22 Units)

- MATH 245 - Mathematical Experimentation and Proof Units: 4
- MATH 107 - Introduction to Linear Algebra Units: 3

#### Complete one.

- STAT 108 - Elementary Statistics Units: 3
- STAT 108I - Elementary Statistics with Integrated Support Units: 3
- STAT 109 - Introductory Biostatistics Units: 4

#### Complete one calculus series.

- MATH 109 - Calculus I Units: 4
- MATH 110 - Calculus II Units: 4
- OR**
- MATH 105 - Calculus for the Biological Sciences and Natural Resources Units: 3
- MATH 215 - Multivariate Calculus for the Biological Sciences and Natural Resources Units: 3

#### Upper Division Electives

- Complete 6 units in upper division mathematics courses (MATH prefix), excluding MATH 301. STAT 323 may count towards this requirement.

## Multicultural Queer Studies Minor

### Requirements for the Minor (16 Units)

- CRGS 108 - Power/Privilege: Gender and Race, Sex, Class Units: 3

#### Queer Theory

Complete one course.

- CRGS 430 - Decolonizing Gender and Sexuality Units: 4
- ENGL 410 - Topics in Queer and Trans Studies Units: 4 (with topic Queer Theory)

#### Community Engagement and Leadership

Complete one course. Consult with the advisor for approval for community engagement courses not on this list.

- CRGS 482 - Internship Units: 1-3 (take at least 2 units)
- CRGS 313 - Community Activism Units: 3
- EDUC 313 - Community Activism Units: 3

#### Elective Courses

Complete 7 units from the following course list. Consult with the advisor for approval of special topics courses not on this list.

- CRGS 235 - Act to End Sexualized Violence Units: 1
- CRGS 321 - Trans\* Lives and Theory Units: 3
- CRGS 430 - Decolonizing Gender and Sexuality Units: 4 (when not taken to fulfill "Queer Theory" requirement above)

- ENGL 410 - Topics in Queer and Trans Studies Units: 4 (when not taken to fulfill "Queer Theory" requirement above)
- ES 336 - U.S. Writers of Color Units: 4 when offered as Multi-cultural Queer Narratives  
**OR**
- WS 336 - U.S. Writers of Color Units: 4 when offered as Multi-cultural Queer Narratives  
**OR**
- ENGL 336 - U.S. Writers of Color Units: 4 when offered as Multi-cultural Queer Narratives
- FILM 465 - Film Seminar Units: 4 when offered as Queer Movies
- WS 316 - Gender and Society Units: 4  
**OR**
- SOC 316 - Gender and Society Units: 4
- WS 318 - LGBTQIA+ Issues in Schools Units: 3  
**OR**
- EDUC 318 - LGBTQIA+ Issues in Schools Units: 3
- WS 350 - Health and Body Politics Units: 4
- WS 436 - Human Sexuality Units: 3  
**OR**
- PSYC 436 - Human Sexuality Units: 3
- WS 370 - Queer Women's Lives Units: 3-4  
**OR**
- ENGL 410 - Topics in Queer and Trans Studies Units: 4 when offered as Queer Women's Literature

- MUS 330 - Piano IV Units: 1
- MUS 222 - Studio Flute Units: 1
- MUS 223 - Studio Oboe Units: 1
- MUS 224 - Studio Clarinet Units: 1
- MUS 225 - Studio Bassoon Units: 1
- MUS 226 - Studio Saxophone Units: 1
- MUS 227 - Studio Trumpet Units: 1
- MUS 228 - Studio Horn Units: 1
- MUS 229 - Studio Trombone Units: 1
- MUS 230 - Studio Euphonium Units: 1
- MUS 231 - Studio Tuba Units: 1
- MUS 232 - Studio Percussion Units: 1
- MUS 233 - Studio Violin Units: 1
- MUS 234 - Studio Viola Units: 1
- MUS 235 - Studio Cello Units: 1
- MUS 236 - Studio String Bass Units: 1

### Performance Ensembles

Complete three semesters (3 units) from the following list.

- MUS 406B - University Singers Units: 1
- MUS 406E - Opera Workshop Units: 1
- MUS 406F - Mad River Transit Singers Units: 1
- MUS 406H - Wind Ensemble Units: 1
- MUS 406J - AM Jazz Band Units: 1
- MUS 406K - Jazz Orchestra Units: 1
- MUS 406N - Humboldt Chorale Units: 1
- MUS 406O - Humboldt Symphony Units: 1
- MUS 407B - Brass Chamber Music Units: 1
- MUS 407C - Calypso Band Units: 1
- MUS 407F - Woodwind Chamber Music Units: 1
- MUS 407G - Guitar Chamber Music Units: 1
- MUS 407I - Intermediate Orchestra Units: 1
- MUS 407J - Jazz Combos Units: 1
- MUS 407P - Percussion Ensemble Units: 1
- MUS 407Q - World Percussion Ensemble Units: 1
- MUS 407S - Chamber Music - Service Learning Units: 1
- MUS 407T - String Chamber Music Units: 1
- MUS 407V - Madrigal Singers Units: 1

### Elective Courses

Complete 6 units of elective courses from the following list.

- MUS 214 - Theory I Units: 3
- MUS 301 - Rock: An American Music Units: 3
- MUS 302 - Music in World Culture Units: 3
- MUS 305 - Jazz: An American Art Form Units: 3
- MUS 318 - Jazz Improvisation Units: 2
- MUS 320 - Composition: Film Scoring Units: 3
- MUS 323 - Jazz Pedagogy Units: 2
- MUS 324 - Contemporary Composition Techniques Units: 2
- MUS 361 - Music Technology: Recording and Playback Units: 2
- MUS 453 - Career Skills for Musicians Units: 2

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## Music Minor

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### Requirements for the Minor (18 Units)

- MUS 104 - Introduction to Music Units: 3
- MUS 110 - Fundamentals of Music Units: 3

### Applied Instruction

Complete three semesters (3 courses) chosen from the following list. At least one semester of piano instruction is recommended.

- MUS 108B - Class Applied Instruction: Brass Units: 1
- MUS 108C - Class Applied Instruction: Afro- Cuban Percussion Units: 1
- MUS 108F - Class Applied Instruction: Woodwinds Units: 1
- MUS 108G - Class Applied Instruction: Acoustic Guitar Units: 1
- MUS 108K - Class Applied Instruction: Piano Units: 1
- MUS 108P - Class Applied Instruction: Percussion Units: 1
- MUS 108T - Class Applied Instruction: Strings Units: 1
- MUS 108V - Class Applied Instruction: Voice Units: 1
- MUS 109G - Class Applied Instruction: Guitar Units: 1
- MUS 109K - Class Applied Instruction: Piano Units: 1
- MUS 109V - Class Applied Instruction: Voice Units: 1
- MUS 112 - Piano I Units: 1
- MUS 113 - Piano II Units: 1
- MUS 130 - Piano III Units: 1

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## Native American Studies Minor

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## Requirements for the Minor (15-17 Units)

Complete the following three courses plus 6-8 units (two courses) from one of two emphasis categories below.

- NAS 104 - Introduction to Native American Studies Units: 3
- NAS 200 - Indigenous Peoples in U.S. History Units: 3
- NAS 306 - Indigenous Peoples of the Americas Units: 3

## Emphases (Select One)

### Culture & Community Emphasis

- NAS 301 - Native American Literature Units: 3
- NAS 304 - Native Tribes of California Units: 3

### Law & Policy Emphasis

Complete two courses.

- NAS 331 - Indigenous Natural Resource Management Practices Units: 3
- NAS 364 - Federal Indian Law I Units: 4
- NAS 366 - Tribal Water Rights Units: 4

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## Natural Resources Minor

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### Requirements for the Minor (19 Units)

- BIOL 105 - Principles of Biology Units: 4
- ESM 105 - Natural Resource Conservation Units: 3
- SOIL 260 - Introduction to Soil Science Units: 3

### Approved Electives

Complete at least three courses from the following (at least 6 units must be upper division)

- ESM 210 - Public Land Use Policies and Management Units: 3
- ESM 215 - Natural Resources and Recreation Units: 3
- ESM 365 - Local Government Planning Units: 3
- FISH 300 - Introduction to Fishery Biology Units: 3
- FOR 315 - Forest Management Units: 3
- FOR 374 - Wilderness Area Management Units: 3
- OCN 301 - Marine Ecosystems - Human Impact Units: 3
- OCN 304 - Resources of the Sea Units: 3
- RRS 306 - Wildland Resource Principles Units: 3
- WLDF 301 - Principles of Wildlife Management Units: 3

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## Natural Resources Recreation Minor

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### Requirements for the Minor (17-18 Units)

#### Required Courses

- ESM 210 - Public Land Use Policies and Management Units: 3
- ESM 215 - Natural Resources and Recreation Units: 3
- ESM 305 - Environmental Conflict Resolution Units: 3  
OR

- ESM 309B - Environmental Communication Units: 3
- FOR 374 - Wilderness Area Management Units: 3
- ESM 415 - Recreation and Park Planning Capstone Units: 4  
OR
- ESM 440 - Managing Recreation Visitors Units: 2
- ESM 430 - Natural Resource Management in Protected Areas Units: 3

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## Oceanography Minor

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### Requirements for the Minor (16 units)

#### Lower Division Courses

- OCN 109 - General Oceanography Units: 3
- OCN 109L - General Oceanography Laboratory Units: 1
- OCN 260 - Sampling Techniques and Field Studies Units: 1

#### Upper Division

Complete two of the following courses.

- OCN 310 - Biological Oceanography Units: 4
- OCN 320 - Physical Oceanography Units: 4
- OCN 330 - Chemical Oceanography Units: 4
- OCN 340 - Geological Oceanography Units: 4

#### Upper Division Electives

Complete one additional course from the following list or an upper division course listed above.

- BIOL 418 - Marine Microbiology Units: 3
- BIOL 430 - Intertidal Ecology Units: 3
- BOT 356 - Phycology Units: 4
- CHEM 341 - Quantitative Analysis Units: 5
- CHEM 370 - Earth System Chemistry Units: 3
- ESM 462 - Coastal and Marine Planning Units: 3
- FISH 310 - Ichthyology Units: 4
- FISH 335 - US and World Fisheries Units: 3
- FISH 375 - Mariculture Units: 3
- FISH 478 - Fisheries Oceanography Units: 3
- GEOL 312 - Earth Materials Units: 4
- GEOL 332 - Sedimentary Geology Units: 4
- OCN 301 - Marine Ecosystems - Human Impact Units: 3
- OCN 304 - Resources of the Sea Units: 3
- OCN 410 - Zooplankton Ecology Units: 3
- OCN 420 - Oceans and Climate Units: 3
- OCN 495 - Field Cruise I Units: 3
- PHYX 315 - Introduction to Electronics and Electronic Instrumentation Units: 3
- PHYX 420 - Optics Units: 4
- ZOOL 314 - Invertebrate Zoology Units: 5
- ZOOL 556 - Marine Mammalogy Units: 4

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## Philosophy, Asian Aspects Minor

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## Requirements for the Minor (12 units)

For the minor, take the indicated courses and confer with members of the philosophy faculty for assistance in selecting suitable electives. Philosophy minors must earn a minimum grade of "C-" in all courses taken to fulfill the minor requirements; and must earn a minimum overall GPA of 2.00 in the minor.

### Required Courses

Complete two of the following courses.

- PHIL 104 - Asian Philosophy Units: 3
- PHIL 345 - Philosophies of China Units: 3
- PHIL 346 - Philosophies of India Units: 3

### Elective Courses

Complete two 3-unit electives in philosophy, one of which must be upper division.

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## Philosophy, Ethics and Values Minor

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### Requirements for the Minor (12 Units)

Philosophy minors must earn a minimum grade of "C-" in all courses taken to fulfill the minor requirements; and must earn a minimum overall GPA of 2.00 in the minor.

- PHIL 303 - Theories of Ethics Units: 3

### Elective Courses

Complete two of the following courses, plus one additional lower or upper division 3-unit course in philosophy for a total of 9 units. Confer with members of the philosophy faculty for assistance in selecting suitable electives.

- PHIL 106 - Moral Controversies Units: 3
- PHIL 301 - Reflections on the Arts Units: 3
- PHIL 302 - Environmental Ethics Units: 3
- PHIL 304 - Philosophy of Sex and Love Units: 3
- PHIL 306 - Race, Racism and Philosophy Units: 3
- PHIL 371 - Contemporary Social and Political Philosophy Units: 3

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## Philosophy, Fundamental Aspects Minor

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This minor is recommended for pre-law students.

### Requirements for the Minor (12 Units)

Philosophy minors must earn a minimum grade of "C-" in all courses taken to fulfill the minor requirements; and must earn a minimum overall GPA of 2.00 in the minor.

- PHIL 100 - Logic Units: 3
- PHIL 303 - Theories of Ethics Units: 3
- PHIL 420 - Contemporary Epistemology and Metaphysics Units: 3

### Elective Courses

Complete one upper division, 3-unit philosophy elective. Confer with members of the philosophy faculty for assistance in selecting suitable electives.

- Recommended elective for pre-law students: PHIL 415 - Symbolic Logic Units: 3

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## Philosophy, History of Western Philosophy Minor

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### Requirements for the Minor (12 Units)

For the minor, take the indicated courses and confer with members of the philosophy faculty for assistance in selecting suitable electives. Philosophy minors must earn a minimum grade of "C-" in all courses taken to fulfill the minor requirements; and must earn a minimum overall GPA of 2.00 in the minor.

- PHIL 210 - Ancient Philosophy Units: 3
- PHIL 211 - Modern Philosophy Units: 3

### Elective Courses

Complete two upper division 3-unit electives in philosophy.

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## Physics Minor

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### Requirements for the Minor (32-33 Units)

A minimum grade of C- is required for all courses with the "PHYX" prefix for the physics minor.

- MATH 109 - Calculus I Units: 4
  - MATH 110 - Calculus II Units: 4
  - MATH 210 - Calculus III Units: 4
  - PHYX 109 - General Physics A: Mechanics Units: 4
  - PHYX 210 - General Physics B: Thermodynamics, Waves and Optics Units: 4
  - PHYX 211 - General Physics C: Electricity, Magnetism Units: 4
  - CHEM 362 - Physical Chemistry II Units: 3
- OR**
- PHYX 320 - Modern Physics Units: 3

### Upper Division Physics Elective Courses

Complete at least 3 units. Some courses require prerequisites that are not required elsewhere in the minor. Check for prerequisites in the course description.

- PHYX 310 - Spacetime and Relativity Units: 3
- PHYX 315 - Introduction to Electronics and Electronic Instrumentation Units: 3
- PHYX 324 - Analytical Mechanics Units: 4
- PHYX 325 - Thermal Physics Units: 4
- PHYX 340 - Mathematical and Computational Methods Units: 2
- PHYX 420 - Optics Units: 4
- PHYX 441 - Electricity and Magnetism I Units: 3
- PHYX 450 - Quantum Physics I Units: 4
- PHYX 495 - Undergraduate Research Units: 1-3

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## Political Science Minor

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### Requirements for the Minor (22 Units)

A minimum grade of C- must be earned for all courses in the minor.

Complete two courses from the following:

- PSCI 220 - Introduction to Political Theory Units: 3
- PSCI 230 - Introduction to Comparative Politics Units: 3
- PSCI 240 - Introduction to International Relations Units: 3

### Upper Division Electives

Complete a minimum of 16 units of upper division coursework.

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## Psychology Minor

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### Requirements for the Minor (18 Units)

Complete at least 18 units, 9 of which must be upper division. At least 6 units must be completed at Cal Poly Humboldt.

### Introductory Phase (6 Units)

- PSYC 104 - Introduction to Psychology Units: 3
- PSYC 240 - Foundations of Research Methods in Psychology Units: 3

### Core Content Areas (6 Units)

Complete two courses.

- PSYC 311 - Developmental Psychology Units: 3
- PSYC 321 - Intro Behavioral Neuroscience Units: 3
- PSYC 322 - Learning and Motivation Units: 3
- PSYC 324 - Cognitive Psychology Units: 3
- PSYC 325 - Advanced Behavioral Neuroscience Units: 4
- PSYC 337 - Personality Theory and Research Units: 3
- PSYC 338 - Abnormal Psychology Units: 3

### Upper Division Breadth (6 Units)

Complete two courses.

- PSYC 300 - Psychology of Gender Units: 3
- PSYC 302 - Psychology of Prejudice Units: 3
- PSYC 303 - Family Relations in Contemporary Society Units: 3
- PSYC 306 - Health Psychology Units: 3
- PSYC 320 - Behavior Analysis Units: 4
- PSYC 323 - Sensation and Perception Units: 3
- PSYC 325 - Advanced Behavioral Neuroscience Units: 4
- PSYC 336 - Social Influence and Persuasion Units: 3
- PSYC 345L - Psychological Tests and Measurement Units: 4
- PSYC 411 - Social Neuroscience Units: 3
- PSYC 414 - Psychology of Adolescence and Young Adulthood Units: 3
- PSYC 418 - Developmental Psychopathology Units: 3
- PSYC 419 - Family Violence Units: 3
- PSYC 436 - Human Sexuality Units: 3

- PSYC 454 - Interviewing and Counseling Techniques Units: 3
  - PSYC 473 - Substance Use and Addiction Units: 3
  - PSYC 478 - Analysis of Variance Units: 4
  - PSYC 488 - Regression/Multivariate Topics Units: 4
  - PSYC 489S - Community Psychology Units: 3
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## Rangeland Resource Science Minor

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### Requirements for the Minor (18 Units)

- ESM 105 - Natural Resource Conservation Units: 3
  - SOIL 260 - Introduction to Soil Science Units: 3
  - RRS 306 - Wildland Resource Principles Units: 3
  - RRS 360 - Wildland Plant Communities Units: 3
  - RRS 370 - Wildland Ecology Principles Units: 3
  - RRS 375 - Vegetation Analysis and Health Units: 3
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## Recreation Administration Minor

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### Requirements for the Minor (18 Units)

- REC 100 - Leisure in Society Units: 3
  - REC 210 - Recreation Leadership Units: 3
  - REC 220 - Leisure Programming Units: 3
  - REC 302 - Inclusive Recreation Units: 3
  - REC 320 - Organization, Administration and Facility Planning Units: 3
  - REC 420 - Legal and Financial Aspects of Recreation Units: 3
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## Religious Studies Minor

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### Requirements for the Minor (18 Units)

- RS 105 - World Religions Units: 3
- RS 120 - Exploring Religion Units: 3

### Religion in Tradition

Complete three courses.

- RS 301 - Religion in America Units: 3
- RS 321 - Sacred Texts: New Testament Units: 3
- RS 322 - Sacred Texts: Buddhist Texts Units: 4
- RS 323 - Sacred Texts: Hindu Texts Units: 4
- RS 330 - Introduction to Judaism Units: 3
- RS 331 - Introduction to Christianity Units: 3
- RS 332 - Introduction to Islam Units: 3
- RS 340 - Zen, Dharma and Tao Units: 3
- RS 341 - Spiritual Traditions of India Units: 3
- RS 342 - Buddhism in India and Tibet Units: 3
- RS 345 - T'ai Chi Ch'üan (Taijiquan) Units: 3
- RS 351 - Shamanism and Prophecy Units: 3
- RS 391 - Religion in Tradition: Special Topics Units: 3

### Religion in Myth, Culture and Experience

Complete 3 units.

- RS 300 - Living Myths Units: 3

- RS 361 - Environment and Religion Units: 3
- RS 393 - Religion in Myth, Culture and Experience: Special Topics Units: 3
- RS 394 - Religious Studies Workshop Units: 1-3

- COMM 416 - Social Advocacy Theory and Practice Units: 3

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## Scientific Diving Minor

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This minor within the university's diving program provides broad-based support of subaquatic research, education, and recreational activities. The courses and certifications within the minor meet diving and training standards of Cal Poly Humboldt, the National Association of Underwater Instructors (NAUI), and the American Academy of Underwater Sciences (AAUS).

As a research, educational, and vocational asset, the diving program is highly interdisciplinary. Diving has been used by students, faculty, and staff in the fields of marine biology, oceanography, fisheries, wildlife, geology, engineering, industrial technology, art, business administration, physical education, recreation administration, archeology, and natural resources. The minor facilitates undergraduate studies, advanced degrees, and careers in government or private sectors.

Preparation: All courses require completed diver certification documentation prior to any diving, including a university-approved medical exam (Medical Evaluation of Fitness for SCUBA, Surface-Supplied, or Free Diving).

Anyone diving under the auspices of the university also needs current CPR and oxygen provider certification or to be enrolled in HED 120 - Responding to Emergencies - CPRFPR and REC 252 - Diving First Aid, Introduction to Cal Poly Humboldt Diving.

### Requirements for the Minor (13 Units)

- REC 252 - Diving First Aid, Introduction to Cal Poly Humboldt Diving Units: 1
- REC 262 - Beginning SCUBA Units: 4
- REC 362 - Master Diver Units: 4
- REC 471 - Scientific Diving Units: 3
- HED 120 - Responding to Emergencies - CPRFPR Units: 1 [required every two years]

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## Social Advocacy Minor

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This interdisciplinary program helps students who wish to act as advocates for issues they care about. These concerns might include the rights of ethnic minorities or women, protection of the environment, educational reform, consumer education, or antiwar movements, among others.

The program provides opportunities to learn how various disciplines view advocacy and the ethics of advocating (COMM 480), how to disseminate information about an issue effectively (JMC 323), and how social change is affected by means of communication (COMM 315).

Students are encouraged to choose electives that complement their major or that extend their understanding of the chosen issue. The culminating experience challenges them to apply what they have learned to real work on that issue in the community beyond campus.

Students develop both verbal and written skills in order to influence individuals and audiences, to become more aware of their own ethic of advocacy, and to develop an understanding of how policymaking institutions work.

### Requirements for the Minor (18 Units)

- JMC 323 - Public Relations Units: 3
- COMM 315 - Communication and Social Advocacy Units: 4

## Elective Courses

Complete 6 units by advisement. Suggested elective courses include:

- JMC 429 - Advanced Public Relations Units: 3
- PHIL 302 - Environmental Ethics Units: 3
- PSCI 358 - Political Advocacy Units: 4
- COMM 214 - Persuasive Speaking Units: 3
- COMM 309B - Gender and Communication Units: 3  
**OR**
- WS 309B - Gender and Communication Units: 3
- COMM 404 - Theories of Communication Influence Units: 4
- SOC 475 - Community Organizing Units: 4
- TA 307 - Theatre of the Oppressed Units: 3
- WS 480 - Selected Topics in Women's Studies Units: 1-5 (Topic: Lobbying Women's Issues)

## Culminating Experience

Complete 2 or more units by advisement. Suggested courses include:

- COMM 495 - Field Experiences in Speech Communication Units: 1-6
- JMC 482 - Media Internship Units: 1-3
- or other internship/service learning courses.

### Advisor

Laura Hahn, Ph.D.

Telonicher House, Room 102  
707-826-3948  
Laura.Hahn@humboldt.edu

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## Sociology Minor

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### Requirements for the Minor (20 Units)

A minimum grade of "C-" is required for all courses in the minor.

- SOC 225S - Social Issues and Action Units: 4
- SOC 382 - Introduction to Social Research Units: 4

### Upper Division Elective Courses

- Complete 12 units of upper division sociology coursework. No more than one General Education sociology course may be counted toward the minor. A GE course must be taken for 4 units. To best meet student interests, minor electives should be selected in consultation with a sociology faculty advisor.

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## Spanish Media Minor

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The Spanish Media minor combines Spanish language study with journalistic writing and media experience. This interdisciplinary minor is an excellent choice for anyone interested in pursuing a degree in business, communication, pre-law, or for professional careers in bilingual news media, advertising, and public relations.

### Requirements for the Minor (21 Units)

#### Lower Division

- JMC 120 - Beginning Reporting Units: 3
- JMC 160 - El Leñador News Units: 2



## Spanish Level IV

Complete one of the following courses:

- SPAN 207 - Spanish Language and Culture IV Units: 4
- SPAN 208 - Level IV Heritage Speakers Units: 4

## Journalism Elective Courses

Complete one of the following courses:

- JMC 125 - Media Making Tools Units: 3
- JMC 134 - Photojournalism Units: 3
- JMC 154 - Radio and Audio Production Units: 3
- JMC 156 - Video Production Units: 3
- other journalism courses may be acceptable; consult with journalism advisor.

## Upper Division

- JMC 360 - Advanced El Leñador News Units: 2
- SPAN 311 - Spanish Level V, Advanced Grammar and Composition Units: 4

## Spanish Elective Courses

Complete one of the following courses:

- SPAN 308S - Introduction to Translation and Interpretation Units: 3
- SPAN 310 - Spanish Advanced Oral Skills Units: 3
- other upper division Spanish courses may be acceptable; consult with Spanish advisor.

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# Spanish Minor

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## Requirements for the Minor (28 Units)

- SPAN 106 - Spanish Language and Culture II Units: 4

### Complete one course.

- SPAN 107 - Spanish Language and Culture III Units: 4
- SPAN 108 - Level III Heritage Speakers Units: 4
- SPAN 108S - Level III Heritage Speakers Units: 4

### Complete one course.

- SPAN 207 - Spanish Language and Culture IV Units: 4
- SPAN 208 - Level IV Heritage Speakers Units: 4
- SPAN 208S - Level IV Heritage Speakers Units: 4

## Upper Division

- SPAN 310 - Spanish Advanced Oral Skills Units: 3
- SPAN 311 - Spanish Level V, Advanced Grammar and Composition Units: 4
- SPAN 321 - Advanced Writing Skills Units: 4
  
- SPAN 340 - Critical Reading in Spanish I Units: 3  
**OR**
- SPAN 341 - Critical Reading in Spanish II Units: 3

## Upper Division Electives

- Complete a minimum of 2 units from the SPAN 300/400 series.

Students with a Spanish language background who begin above SPAN 106 should take alternative courses, selected in consultation with their minor advisor, in order to meet the minimum 28 units required for the minor.

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# Sustainability Minor

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To pursue sustainability is to recognize that humanity is a part of the natural world, not separate from it, and that healthy social and economic systems depend on healthy ecological systems. Conversely, key threats to global environmental sustainability can only be addressed through societal systems, which must be understood as structured by intersecting systems of power and privilege. The pursuit of sustainability thus requires skills of critical analysis and participatory problem-solving grounded in an understanding of interconnectedness and justice as it relates to humans and the more-than-human world. The Sustainability Minor explores real-world problems from a variety of academic perspectives by incorporating curricula from across the natural and social sciences, as well as humanities and the arts. Its robust, interdisciplinary nature catalyzes intellectual inquiry, systems thinking, and agency to tackle the most pressing socio-ecological challenges of our time.

The Sustainability Minor is designed to engage students from every college, transcending disciplines while complementing any major. It further provides a coherent pathway to fulfill General Education and Diversity and Common Ground requirements (if the student chooses). The minor can be of particular value to students seeking careers in the growing field of sustainability, public policymaking or community development, or in applying sustainability concepts and practices to their chosen career pathway.

## Requirements for the Minor (19 Units)

A total of 19 units is required for the minor, including one 3-unit lower division introductory course, a minimum of 12 units of required theme courses, and a 4-unit culminating course. Depending on a student's undergraduate program of study, prerequisite courses may be needed in order to complete some of the courses in this minor; however, a student could easily complete this minor without taking a course requiring prerequisites.

## Introductory Course

Complete one of the following courses:

- BA 106 - Advocating for Sustainability Units: 3
- ENST 195 - Topics in Nature/Culture Units: 3

## Thematic Areas

Complete four courses (minimum of 12 units), with at least one course in each of the three thematic areas.

### Earth Science, Technology and Built Environment

- ESM 302 - Biodiversity on Earth Units: 3
- ESM 308 - Ecotopia Units: 3
- GEOG 357 - Climate, Ecosystems and People Units: 3
- GEOL 303 - Earth Resources and Global Environmental Change Units: 3
- OCN 301 - Marine Ecosystems - Human Impact Units: 3
- RRS 306 - Wildland Resource Principles Units: 3

### Socio-economic Institutions, Policy and Equity

- ECON 309 - Economics of a Sustainable Society Units: 3
- ESM 301 - International Environmental Issues and Globalization Units: 3
- GEOG 301 - International Environmental Issues and Globalization Units: 3
- GEOG 365 - Political Ecology Units: 4
- NAS 332 - Environmental Justice Units: 3
- NAS 366 - Tribal Water Rights Units: 4

- PSCI 365 - Political Ecology Units: 4
- PSCI 373 - Politics of Sustainability Units: 4
- SOC 320 - Environmental Sociology Units: 4
- SOC 370 - Environmental Inequality and Globalization Units: 4

#### Communication, Culture and Ethics

- CRGS 313 - Community Activism Units: 3
- CRGS 331 - Radical Futures: Race, Environment, and Social Justice Units: 3
- EDUC 313 - Community Activism Units: 3
- ESM 305 - Environmental Conflict Resolution Units: 3
- ESM 309B - Environmental Communication Units: 3
- GEOG 300 - Global Awareness Units: 3
- PHIL 302 - Environmental Ethics Units: 3
- SOC 302 - Forests and Culture Units: 3
- WS 340 - Ecofeminism Units: 3-4

#### Culminating Course

- ENST 470 - Climate Justice and Sustainability Leadership Units: 4

#### Program Learning Outcomes

1. Understand the fundamental relationships between ecological, economic, political and social systems, and analyze the effects of power and privilege on these relationships;
2. Demonstrate the ability to critically analyze how societies can foster healthy ecosystems and just economic systems;
3. Evaluate and apply concepts of interconnectedness, justice and equity to human and more-than-human communities, and
4. Develop ability to engage in participatory problem solving through stakeholder engagement, communication and collaboration.

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## Sustainable Food Systems Minor

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The Sustainable Food Systems Minor is an interdisciplinary course of study from all three colleges. It provides students with a holistic food systems perspective and an increased ability to access careers and graduate programs related to food systems.

The minor is purposefully designed to prepare students to receive training needed to fill jobs related to food and agriculture. The minor examines topics related to production, processing, distribution, and consumption of food, and equity and inclusion issues of food sovereignty, indigenous perspectives, and equitable access to all dimensions of the food system. In addition to completion of core courses, an additional 6 units of coursework are selected. Students select the 6 additional units of coursework from the following professionally-related categories: food for all, food business, food and health, food justice, food production, food-related science and engineering, and food stories and literature.

#### Requirements for the Minor (18 Units)

- ANTH 308 - Sustainable Food Systems Units: 3
- HED 231 - Basic Human Nutrition Units: 3
- NAS 331 - Indigenous Natural Resource Management Practices Units: 3
- RRS 306 - Wildland Resource Principles Units: 3
- OR
- WLDF 309 - Case Studies in Environmental Ethics Units: 3

#### Electives

Complete at least two courses (6 units) from the following categories. (Courses do not need to be from the same category.) Up to 2 units of internship or service learning courses with placements that have been approved by the Sustainable Food Systems minor advisor can be counted toward the 6 units of electives.

#### Food for All

- AHSS 104S - Global Meets Local in Humboldt Units: 3
- AHSS 108 - Nature, Culture and Food Units: 3
- COMM 315 - Communication and Social Advocacy Units: 4
- ECON 309 - Economics of a Sustainable Society Units: 3
- ECON 306 - Economics of the Developing World Units: 3
- GEOG 300 - Global Awareness Units: 3
- GEOG 301 - International Environmental Issues and Globalization Units: 3
- INTL 100S - Thinking Critically About Globalization Units: 3
- INTL 410 - Global Issues Analysis Units: 4
- PSCI 364 - Technology and Development Units: 4
- SOC 370 - Environmental Inequality and Globalization Units: 4
- SOC 320 - Environmental Sociology Units: 4

#### Food Business

- BA 106 - Advocating for Sustainability Units: 3
- BA 432 - Leading Sustainable Ventures Units: 4
- ECON 423 - Environmental and Natural Resources Economics Units: 3

#### Food and Health

- ANTH 339 - Special Topics in Biological Anthropology Units: 1-4
- COMM 480 - Seminar in Speech Communication Units: 1-4
- HED 451 - Nutrition and Chronic Disease Units: 3
- HED 344 - Weight Control Units: 3
- HED 345 - Health Messaging and Mass Media Units: 3
- HED 388 - Community Based Health Promotion Units: 3
- NRSRG 470 - Community/Public Health Nursing Units: 3

#### Food Justice

- AHSS 108 - Nature, Culture and Food Units: 3
- ANTH 339 - Special Topics in Biological Anthropology Units: 1-4
- NAS 332 - Environmental Justice Units: 3
- PHIL 302 - Environmental Ethics Units: 3
- PSCI 364 - Technology and Development Units: 4

#### Food Production

- ENGR 305 - Appropriate Technology Units: 3
- ENST 123 - CCAT Practicum: Variable Topics Units: 1
- ESM 355 - Principles of Ecological Restoration Units: 3
- ESM 435 - Grant Proposal Writing Units: 2
- ESM 460 - Environmental Planning for Public Lands and Rural Communities Units: 3
- ESM 462 - Coastal and Marine Planning Units: 3

- FISH 370 - Aquaculture Units: 4
- FISH 375 - Mariculture Units: 3
- SOC 302 - Forests and Culture Units: 3

### Food-Related Science and Engineering

- BOT 300 - Plants and Civilization Units: 3
- ENGR 305 - Appropriate Technology Units: 3
- SOIL 104 - Introduction to Sustainable Agriculture Units: 3
- WSHD 458 - Climate Change and Land Use Units: 3

### Food Stories and Literature

- AHSS 108 - Nature, Culture and Food Units: 3
- ANTH 329 - Selected Topics in Social Anthropology Units: 1-4
- COMM 300 - American Public Discourse Units: 3
- COMM 309B - Gender and Communication Units: 3
- COMM 315 - Communication and Social Advocacy Units: 4
- COMM 411 - Organizational Communication Units: 4
- COMM 480 - Seminar in Speech Communication Units: 1-4
- ENGL 311 - Creative Writing for Environmental Justice Units: 4
- ENGL 314 - Creative Writing: Nonfiction Units: 4
- JMC 480 - Special Topics Units: 3
- JMC 309 - Analyzing Media Messages Units: 3
- JMC 318 - Media Research Units: 3
- JMC 323 - Public Relations Units: 3
- JMC 160 - El Leñador News Units: 2

### Program Learning Outcomes

Students in this program will have demonstrated an ability to:

- Analyze and explain the interconnectedness of components of food system sustainability in the context of health, environmental, economic, and cultural considerations.
- Identify and evaluate systems of power and privilege as they relate to the food system.
- Identify technical and leadership skills necessary for successful careers in food systems.

## Teaching English as a Second/Foreign Language Minor

This coursework develops and refines skills necessary in teaching English as a second / foreign language (in the US, foreign schools, and language institutes).

Take high school or community college courses in English, languages other than English, and ethnic studies.

### Requirements for the Minor (20 Units)

Complete 6 semester units of a language other than English taken at the university level or at an intensive language program.

- ENGL 225 - Linguistic Diversity and Language Analysis Units: 4  
**OR**

- ENGL 326 - Language Study for Teachers Units: 4  
**OR**
- ENGL 328 - Structure of American English Units: 4
- ENGL 417 - Second Language Acquisition Units: 3
- ENGL 435 - English as a Second/ Foreign Language Units: 4
- ENGL 436 - Career Preparation for Teaching English as a Second/Foreign Language Units: 4

#### Advisor

Nikola Hobbel, Ph.D.  
Founders Hall 172  
707-826-3161

## Theatre Arts Minor

Some students like to add a theatre minor to their existing program. Learn more about our programs on the Theatre Arts webpage.

### Requirements for the Minor (15 Units)

- TA 328 - Production Practicum Units: 1
- TA 340 - Theatre History and Criticism I Units: 4  
**OR**
- TA 341 - Theatre History and Criticism II Units: 4

### Elective Courses

Complete 10 units focused on performance, design and technology, or a combination of the two areas selected in consultation with a departmental advisor. Note: No more than 3 units total of TA 328 may count toward minor unit requirements.

## Tribal Leadership Minor

### Requirements for the Minor (16 Units)

- NAS 104 - Introduction to Native American Studies Units: 3
- NAS 200 - Indigenous Peoples in U.S. History Units: 3
- NAS 362 - Tribal Governance and Leadership Units: 3
- NAS 468 - Tribal Justice Systems Units: 3
- NAS 364 - Federal Indian Law I Units: 4  
**OR**
- NAS 365 - Federal Indian Law II Units: 4

## Water Resource Policy Minor

Students find this minor helpful for careers with public and private agencies, nonprofit organizations, and the private sector.

Before beginning, make an appointment with the advisor. After completing two courses, file a program plan.

### Requirements for the Minor (18 Units)

Complete 18 units, composed of at least two courses from each of the following three categories.

#### Policy/Political Process

- ESM 325 - Environmental Law and Regulation Units: 3
- ESM 425 - Environmental Impact Assessment Units: 3

- ENGR 410 - Environmental Health and Impact Assessment Units: 3
- PSCI 317 - Public Policy Process Units: 4

### Water Resources - Social Aspects

- NAS 366 - Tribal Water Rights Units: 4
- PSCI 352 - Water Politics Units: 4
- PSCI 365 - Political Ecology Units: 4
- OR**
- GEOG 365 - Political Ecology Units: 4
- ECON 423 - Environmental and Natural Resources Economics Units: 3

### Water Resources - Physical Aspects

Other appropriate courses with approval of minor advisor.

- WSHD 333 - Wildland Water Quality Units: 3
- WSHD 310 - Hydrology and Watershed Management Units: 4
- FISH 320 - Limnology Units: 3
- FISH 476 - Ecology of Running Waters Units: 3
- GEOG 473 - Topics in Physical Geography Units: 1-4 (with topic: Global Water Resources. 3 units are required.)

#### Advisor

Mark Baker  
 Founders Hall 140  
 707-826-3907  
 J.Mark.Baker@humboldt.edu

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## Watershed Management Minor

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Focus on watershed processes and interactions between geophysical, biological, and socioeconomic factors in bounded geographic drainage basins. The interplay between watershed processes and the management of other natural resources is integral to these studies.

### Requirements for the Minor (13 Units)

- SOIL 260 - Introduction to Soil Science Units: 3
- WSHD 310 - Hydrology and Watershed Management Units: 4
- GEOL 306 - General Geomorphology Units: 3
- OR**
- SOIL 360 - Origin and Classification of Soils Units: 3
- WSHD 424 - Watershed Hydrology Units: 3
- OR**
- WSHD 458 - Climate Change and Land Use Units: 3

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## Wildland Soil Science Minor

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### Requirements for the Minor (18 Units)

- SOIL 260 - Introduction to Soil Science Units: 3
- SOIL 360 - Origin and Classification of Soils Units: 3
- SOIL 460 - Wildland Soil Management and Erosion Control Units: 3

### Elective Courses

Complete at least three courses (including one or more with plus signs +)

- GEOL 306 - General Geomorphology Units: 3
- SOIL 363 - Wetland Soils Units: 3
- SOIL 462 - Soil Fertility Units: 3 +
- SOIL 465 - Soil Microbiology Units: 3 +
- SOIL 467 - Soil Physics Units: 3 +
- SOIL 468 - Introduction to Agroforestry Units: 3
- WSHD 310 - Hydrology and Watershed Management Units: 4
- OR**
- WSHD 424 - Watershed Hydrology Units: 3

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## Women's Studies Minor

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As the academic branch of the women's movement, Women's studies challenges assumptions upon which the Western tradition of scholarship has been based and seeks to integrate the diverse experiences and perspectives of women into the curriculum.

Our core curriculum offers students the analytical tools for understanding gender as it is constructed within and through differences of ethnicity, class, sexuality, and nationality. It enables students to interpret the diverse lives, issues, and voices of women in our multicultural and transnational world.

Women's Studies faculty, from departments across campus, work closely with the program leader to offer a dynamic and student-centered minor, certificate of study, as well as the pathway in Women's Studies within the Critical Race, Gender and Sexuality Studies major. Our program also works with the student-run Women's Resource Center and other women's groups on campus to provide a network of resources, support, and referral on women-centered issues, organizations, and events. We sponsor programs of interest to women, including workshops and speakers.

This program is useful in the following careers: administrator of nonprofit women's organization, affirmative action officer, attorney, community organizer, computer software designer, coordinator of women's programs in government and business, counselor, editor, environmental activist, international development worker, journalist, legal assistant, lobbyist for women's issues, political advocate, psychologist, rape crisis specialist, researcher on women's projects, social worker, teacher, union organizer, urban planner, women's resource center director, women's health care specialist, writer.

### Requirements for the Minor (16 Units)

- WS 106 - Introduction to Women's Studies Units: 3
- WS 107 - Women, Narrative, History Units: 3
- CRGS 390 - Theory and Methods Units: 4

### Upper Division Electives

Complete a minimum of 6 upper division units. At least one course (3 units minimum) must have significant transnational analysis (these courses are marked with <sup>[T]</sup>). Other courses with advisor approval.

- CRGS 235 - Act to End Sexualized Violence Units: 1
- CRGS 313 - Community Activism Units: 3 or cross-listed: EDUC 313
- CRGS 360 - Race, Gender and US Law Units: 4
- CRGS 430 - Decolonizing Gender and Sexuality Units: 4
- WS 300 - Psychology of Women Units: 3
- WS 303 - Anti-Colonial Women's Movements Units: 3 <sup>(T)</sup>

- WS 306 - Sex, Class and Culture: Gender and Ethnic Issues in International Short Stories Units: 3 <sup>(T)</sup> or cross-listed: FREN 306, GERM 306, SPAN 306
- WS 308B - Gender and Literature Units: 3 or cross-listed: ENGL 308B
- WS 308C - Gender and Literature Units: 3 <sup>(T)</sup> or cross-listed: ENGL 308C
- WS 309B - Gender and Communication Units: 3 or cross-listed COMM 309B
- WS 316 - Gender and Society Units: 4 or cross-listed: SOC 316
- WS 317 - Women and Development Units: 4 <sup>(T)</sup> or cross-listed: ANTH 317
- WS 318 - LGBTQIA+ Issues in Schools Units: 3 or cross-listed: EDUC 318
- WS 320 - Act to End Violence Seminar Units: 3
- WS 336 - U.S. Writers of Color Units: 4 <sup>(T)</sup> or cross-listed: ENGL 336, ES 336
- WS 340 - Ecofeminism Units: 3-4 <sup>(T)</sup>
- WS 350 - Health and Body Politics Units: 4 <sup>(T)</sup>
- WS 370 - Queer Women's Lives Units: 3-4
- ENGL 410 - Topics in Queer and Trans Studies Units: 4 (when offered as Queer Women's Literature)
- WS 436 - Human Sexuality Units: 3 or cross-listed: PSYC 436
- WS 465B - Multicultural Issues in Literature/Languages Units: 4 or cross-listed: ENGL 465B, ES 465B
- WS 465C - Multicultural Issues in Literature/Languages Units: 4 or cross-listed: ENGL 465C, ES 465C
- WS 480 - Selected Topics in Women's Studies Units: 1-5

## Program Learning Outcomes

Students completing this minor will have demonstrated the ability to:

- use intersectional analysis to examine social issues
- explain prominent debates in critical social theory
- examine gendered, racialized, and/or sexualized relations in a transnational context
- articulate the relationship between social justice movements and history.

## Writing Minor

### Requirements for the Minor (15 Units)

Complete a minimum of 15 units, 11 of which must be upper division, chosen from the list below. See the Writing Minor Advisor for course approval and advice in planning a minor appropriate to your needs and interests. With minor advisor's approval, one writing-intensive course from another department may be substituted for one of the upper division courses listed below.

### Lower Division Approved Courses

- ENGL 211 - Introduction to Creative Writing Units: 4
- ENGL 212 - Topics in Writing Units: 4

## Upper Division Approved Courses

- ENGL 311 - Creative Writing for Environmental Justice Units: 4
- ENGL 313 - Critical Topics in Writing and Rhetoric Units: 4
- ENGL 314 - Creative Writing: Nonfiction Units: 4
- ENGL 315 - Creative Writing: Fiction Units: 4
- ENGL 316 - Creative Writing: Poetry Units: 4
- ENGL 318 - How Writers Persuade: Cross-Cultural Rhetorics Units: 4
- ENGL 319 - Podcasts, Social Media, and Web-Based Writing Units: 4
- ENGL 450 - Tutoring Developing Writers Units: 2
- ENGL 460 - Literary Editing and Publishing (Toyon) Units: 4

### Advisor

Janelle Adsit, Ph.D.  
Founders Hall 228  
707-826-5936

## Zoology Minor

### Requirements for the Minor (22 Units)

- BIOL 105 - Principles of Biology Units: 4
- ZOOL 110 - Introductory Zoology Units: 4

### Upper Division Electives

- Complete 14 units of upper division zoology courses approved by the zoology minor advisor. Of these 14 units, a minimum of 6 units must be courses NOT used to satisfy major requirements.

## Certificates of Study

### Advanced Geospatial Certificate of Study

The Cal Poly Humboldt Advanced Geospatial Certificate builds on the foundation of the Basic Geospatial Certificate, teaching advanced geospatial methods and techniques, and giving students the skills to create professional maps and advanced remote sensing techniques. Elective courses allow the student to delve deeper into GIS, cartography, or remote sensing or to learn to automate GIS tasks with programming. The certificate will prepare students for Geospatial Analyst and Geospatial Specialist positions. Contact Extended Education at (707) 826-3731 or go to: Extended Education - Certificates.

### Requirements for the Certificate of Study (13 Units)

- GSP 326 - Intermediate Remote Sensing Units: 3
- GSP 330 - Mobile Mapping Units: 3
- GSP 426 - Cartography Practicum Units: 1-4

### Approved Electives

Complete 6 units chosen from the following list.

- GSP 416 - Advanced Cartography Design Seminar Units: 4

- GSP 470 - Advanced Geospatial Analysis and Modeling Units: 3
- GSP 570 - Advanced Geospatial Analysis and Modeling Units: 3
- GSP 318 - Geospatial Programming I Units: 3

- PSCI 373 - Politics of Sustainability Units: 4

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## Climate Justice and Resilience Leadership Certificate

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The Climate Justice and Resilience Leadership is geared toward students who want a professional qualification on their transcripts to demonstrate marketable skills in climate justice skills in any sector or career path.

### Faculty Advisor

Sarah Jaquette Ray, Environmental Studies  
Sarah.ray@humboldt.edu

### Advisory Committee

Jennifer Marlow, Environmental Science & Management  
Cutchu Risling Baldy, Native American Studies  
Janelle Adsit, English  
Renée Byrd, Sociology / Criminology & Justice Studies  
Lonny Grafman, Environmental Resources Engineering  
Sarita Ray Chaudhury, Business Administration  
Morgan King, Climate Action Analyst  
Katie Koscielak, Sustainability Analyst

### Requirements for the Certificate of Study (19 Units)

- ENST 470 - Climate Justice and Sustainability Leadership Units: 4
- NAS 312 - Grant Writing for Social and Environmental Justice Units: 4

### Racial, Indigenous, and Environmental Justice

Complete one of the following courses.

- CRGS 331 - Radical Futures: Race, Environment, and Social Justice Units: 3
- ENGL 471 - Literatures of Body, Environment, World-Building Units: 4
- NAS 331 - Indigenous Natural Resource Management Practices Units: 3
- NAS 332 - Environmental Justice Units: 3

### Regenerative Design and Art

Complete one of the following courses.

- ART 372B - Radical Graphics: Activism and Climate Units: 3
- ENGR 305 - Appropriate Technology Units: 3
- ENST 471 - Arts, Climate, and Health Justice Units: 3

### Systems Change: Policy, Law, Economy

Complete one of the following courses.

- BA 340 - Principles of Marketing Units: 4
- ECON 423 - Environmental and Natural Resources Economics Units: 3
- ESM 305 - Environmental Conflict Resolution Units: 3
- NAS 364 - Federal Indian Law I Units: 4
- NAS 366 - Tribal Water Rights Units: 4

### Practicum Courses

- ENST 381 - Climate Justice and Sustainability Leadership Practicum Units: 1 (taken twice for a total of 2 units)  
Sample topics include:
  - Personal Resilience for Activism and Advocacy;
  - Transformative Community Engagement;
  - Climate Justice Campaign Building;
  - Social Art Practice;
  - Climate Justice Institutions and Governance;
  - Non-profit / Community-organization Management;
  - Storytelling;
  - Designing for Justice;
  - Entrepreneurship for a Just Transition;
  - Counter-Mapping;
  - Facilitating Inclusive and Effective Groups
- JMC 155 - KRFH On Air Workshop Units: 1 (may be substituted for one practicum)

### Program Learning Outcomes

After successfully completing this certificate, students will be able to:

- Demonstrate an understanding of how sustainability and the climate crisis are connected to racism, colonialism, and structural injustice.
- Activate learning to build skills needed to participate as a sensitive actor in building the justice movement.
- Implement skills needed for personal resilience and to sustain collective capacity-building efforts.

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## Environmental and Natural Resources Planning Certificate of Study

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This certificate provides an overview of the planning process and prepares students to participate effectively in multidisciplinary planning activities. Contact the Department of Environmental Science and Management at (707) 826-4147 and Post-Baccalaureate Admissions for additional information.

### Requirements for the Certificate of Study (21 Units)

- GEOG 106 - Physical Geography Units: 3
- ESM 365 - Local Government Planning Units: 3
- ESM 425 - Environmental Impact Assessment Units: 3
- ESM 325 - Environmental Law and Regulation Units: 3
- ESM 360 - Introduction to Environmental Planning Methods Units: 3
- ESM 105 - Natural Resource Conservation Units: 3
- ESM 210 - Public Land Use Policies and Management Units: 3

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## Environmental Education and Interpretation Certificate of Study

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Students acquire the basic skills needed for careers in environmental education, natural resources interpretation and public information. This certificate program can be completed in one academic year.

## Requirements for the Certificate of Study (19 Units)

- ESM 215 - Natural Resources and Recreation Units: 3
- ESM 253 - Interpretive Computer Graphics Units: 3
- ESM 350 - Fundamentals of Environmental Education and Interpretation Units: 3
- ESM 351 - Environmental Interpretation Field Trip Units: 1
- ESM 353 - Environmental Education and Interpretation Graphics Units: 3
- ESM 430 - Natural Resource Management in Protected Areas Units: 3
- ESM 450 - Applied Environmental Education and Interpretation Units: 3

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## Geospatial Certificate of Study (Basic)

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The Geospatial Certificate Program provides foundational concepts and methods in GIS, remote sensing, and cartography that are transferable and relevant across disciplines and industries. The classes are offered online through the College of Extended Education & Global Engagement and face-to-face classes. Students can also complete an Advanced Geospatial Certificate of Study which includes five additional courses in intermediate and advanced geospatial topics.

Contact Extended Education at 707-826-3731 or go to Extended Education - Certificates.

## Requirements for the Certificate of Study (16 Units)

Complete the following courses.

- GSP 101 - Geospatial Concepts Units: 3
- GSP 216 - Introduction to Remote Sensing Units: 3
- GSP 270 - Geographic Information Science (GIS) Units: 3
- GSP 316 - Cartography Units: 4
- GSP 370 - Intermediate Geographic Information Science (GIS) Units: 3

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## Journalism Certificate of Study

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Prepare for a career in news, public relations, broadcasting, or another job within the mass media or related fields. Contact the Department of Journalism & Mass Communication at 707-826-4775.

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## Museum and Gallery Practices Certificate of Study

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The Certificate in Museum and Gallery Practices offers Cal Poly Humboldt students the opportunity to prepare for careers in museums and galleries, and graduate programs in archives and preservation, conservation, museum studies, curatorial studies, and related fields of study. The certificate program is interdisciplinary and includes specialized tracks for anthropology, art, environmental science and

management, history and Native American studies majors. Additional information is available on the Department of Art website.

## Requirements for the Certificate of Study (18 Units)

### Core Courses

- ART 305 - Museums and the Politics of Display Units: 3
- ART 356 - Museum and Gallery Practices Units: 3

### Internship

Complete 3 units of internship coursework selected from the following:

- ART 482 - Museum and Gallery Practices Internship Units: 3
- ANTH 482 - Anthropology Internship/Lab/ Research Units: 2
- ESM 482 - Internship Units: 2-3
- HIST 482 - Internship in History Units: 1-3

### Emphases (Select One)

#### Anthropology Emphasis

Complete 9 units selected from the following:

- ANTH 104 - Cultural Anthropology Units: 3
- ANTH 351 - Archaeological Materials Analysis Units: 4
- ANTH 354 - Cultural Resource Management Units: 4
- ANTH 358 - Archaeology Lab Units: 1-3

#### Art Emphasis

Complete 9 units selected from the following:

- ART 103A - Prehistoric to Medieval Art Units: 3
- ART 103B - Renaissance to Contemporary Art Units: 3
- ART 301 - Topics in Western Art History Units: 3 (Topic titles other than "Museums and the Politics of Display")
- ART 303 - Global Contemporary Art Units: 3
- ART 304 - Topics in American Art Units: 3

#### Environmental Science and Management Emphasis

Complete 9 units selected from the following:

- ART 108 - Digital Media I Units: 3 **OR**
- ESM 253 - Interpretive Computer Graphics Units: 3
- ESM 350 - Fundamentals of Environmental Education and Interpretation Units: 3 and
- ESM 351 - Environmental Interpretation Field Trip Units: 1
- ESM 353 - Environmental Education and Interpretation Graphics Units: 3
- ESM 453 - Environmental Education and Interpretation Capstone Units: 4
- ESM 499 - Directed Study Units: 1-3

#### History Emphasis

Complete 9 units selected from the following:

- ART 103A - Prehistoric to Medieval Art Units: 3 **OR**

- ART 103B - Renaissance to Contemporary Art Units: 3
- HIST 210 - Historical Methods Units: 4
- HIST 397 - Weekend Workshops: Variable Topics Units: 1
- NAS 200 - Indigenous Peoples in U.S. History Units: 3

### **Native American Studies Emphasis**

Complete 9 units selected from the following:

- NAS 200 - Indigenous Peoples in U.S. History Units: 3  
**OR**
- NAS 306 - Indigenous Peoples of the Americas Units: 3
- NAS 301 - Native American Literature Units: 3 **OR**
- NAS 302 - Oral Literature and Oral Tradition Units: 3
- NAS 480 - Selected Topics in Native American Studies Units: 1-4

## **Natural Resource Policy and Administration Certificate of Study**

This certificate prepares students for positions at advanced managerial levels in agencies and corporations that are responsible for the management of natural resources. Contact the Department of Environmental Science & Management (707) 826-4147 for additional information.

### **Requirements for the Certificate of Study (18 Units)**

- ESM 210 - Public Land Use Policies and Management Units: 3
- ESM 325 - Environmental Law and Regulation Units: 3
- ESM 360 - Introduction to Environmental Planning Methods Units: 3
- ESM 425 - Environmental Impact Assessment Units: 3
- ECON 423 - Environmental and Natural Resources Economics Units: 3

### **Approved Electives**

Complete one course chosen from the following list.

- FOR 315 - Forest Management Units: 3
- FOR 374 - Wilderness Area Management Units: 3
- PHIL 302 - Environmental Ethics Units: 3
- RRS 306 - Wildland Resource Principles Units: 3

## **Women's Studies Certificate of Study**

As the academic branch of women's movements, Women's Studies challenges assumptions upon which the Western tradition of scholarship has been based. The curriculum for the Women's Studies certificate focuses on analyzing gender as it is constructed within and through differences of race, ethnicity, class, sexuality, (dis) ability, and nationality. It enables students to interpret the diverse lives, issues, and voices of women in our multicultural and transnational world.

For students who have a bachelor's degree, the certificate program is more in-depth than a minor, offering the opportunity for focused study on a topic or sub-field of interest. This program can be particularly useful for those entering careers in counseling, social work, health care, teaching, human resources, or student affairs. It also helps prepare students for graduate programs in the humanities and/or social sciences. Contact the Department of Critical Race, Gender, & Sexuality Studies at (707) 826-4329 for information.

### **Requirements for the Certificate of Study (22 Units)**

- WS 106 - Introduction to Women's Studies Units: 3
- WS 107 - Women, Narrative, History Units: 3
- CRGS 390 - Theory and Methods Units: 4

### **Approved Electives**

Complete 6 units chosen from the following list. At least one course (3 units minimum) must have significant transnational analysis.

- CRGS 235 - Act to End Sexualized Violence Units: 1
- CRGS 313 - Community Activism Units: 3
- CRGS 360 - Race, Gender and US Law Units: 4
- CRGS 430 - Decolonizing Gender and Sexuality Units: 4
- PSYC 419 - Family Violence Units: 3
- WS 300 - Psychology of Women Units: 3
- WS 303 - Anti-Colonial Women's Movements Units: 3<sup>(T)</sup>
- WS 306 - Sex, Class and Culture: Gender and Ethnic Issues in International Short Stories Units: 3<sup>(T)</sup>
- WS 308B - Gender and Literature Units: 3
- WS 308C - Gender and Literature Units: 3<sup>(T)</sup>
- WS 316 - Gender and Society Units: 4
- WS 317 - Women and Development Units: 4<sup>(T)</sup>
- WS 318 - LGBTQIA+ Issues in Schools Units: 3
- WS 320 - Act to End Violence Seminar Units: 3
- WS 336 - U.S. Writers of Color Units: 4<sup>(T)</sup>
- WS 340 - Ecofeminism Units: 3-4<sup>(T)</sup>
- WS 350 - Health and Body Politics Units: 4<sup>(T)</sup>
- WS 370 - Queer Women's Lives Units: 3-4
- WS 436 - Human Sexuality Units: 3
- WS 465B - Multicultural Issues in Literature/Languages Units: 4
- WS 465C - Multicultural Issues in Literature/Languages Units: 4
- WS 480 - Selected Topics in Women's Studies Units: 1-5

### **Depth of Study**

Complete 6 units selected in consultation with an advisor.

## **Credentials**

## **Adapted Physical Education Added Authorization**

The Adapted Physical Education program uses research-based practices to prepare teachers to design and implement physical education programs



that promote healthy and active lifestyles for children and youth with disabilities.

This program includes coursework and extensive fieldwork (180 hours) to prepare candidates to teach physical education to individuals with disabilities in public schools and community settings. Candidates develop teaching competencies in motor development, aquatics, game and sports skills, and physical activity/fitness.

## Program Admission

Candidates can complete the Adapted Physical Education Added Authorization (APEAA) as a credential program candidate or as part of the master's degree in Kinesiology. The APEAA is not a stand-alone teaching authorization and must be attached to a teaching credential. Candidates can add the APEAA to a basic teaching credential, a multiple subject, single subject, or education specialist credential.

Department of Kinesiology & Recreation Administration  
Kinesiology & Athletics 305  
707-826-4536

Adapted Physical Education Added Authorization (APEAA)  
Program Leader  
Chris Hopper, Ph.D.

## Requirements for the Program

All students receiving the Adapted Physical Education Added Authorization must:

- successfully complete the California Basic Education Skills Test (CBEST)
- complete a California Commission on Teacher Credentialing (CCTC) approved subject matter program in Physical Education Teaching or pass the CSET Physical Education exam authorizing the teaching of physical education.
- successfully complete a basic credential program and receive a teaching credential from CCTC

## Required Courses (24 Units)

Students must maintain a GPA of 3.00 or better in the following required courses.

- REC 302 - Inclusive Recreation Units: 3
- KINS 385 - Adapted Physical Activity Units: 3
- KINS 475 - Elementary School Physical Education Units: 3
- KINS 484 - Motor Development/Motor Learning Units: 3
- KINS 535 - Assessment Techniques Units: 2
- KINS 577 - Adapted Physical Education Programs Units: 4
- KINS 578 - Adapted Aquatics for Instructors Units: 2
- KINS 695 - Directed Field Experience Units: 1-6 (complete a total of 4 units)

## Adapted Physical Education Program Learning Outcomes

1. Develop physical education programs for individuals with disabilities
2. Use assessment tools to help design physical education programs.
3. Develop consultation and collaboration skills to serve on interdisciplinary teams.

4. Use evidence-based practices in teaching physical education/activity to children and youth with a variety of disabling conditions.

## Programs Leading to Licensure and Credentialing

Admission into programs leading to licensure and credentialing does not guarantee that students will obtain a license or credential. Licensure and credentialing requirements are set by agencies that are not controlled by or affiliated with the CSU and requirements can change at any time. For example, licensure or credentialing requirements can include evidence of the right to work in the United States (e.g., social security number or taxpayer identification number) or successfully passing a criminal background check. Students are responsible for determining whether they can meet licensure or credentialing requirements. The CSU will not refund tuition, fees or any associated costs to students who determine subsequent to admission that they cannot meet licensure or credentialing requirements. Information concerning licensure and credentialing requirements are available from the Office of Academic Affairs, Siemens Hall 216, 707-826-3722.

The California State University has not determined whether its programs meet other states' educational or professional requirements for licensure and certification. Students enrolled in a California State University program who are planning to pursue licensure or certification in other states are responsible for determining whether they will meet their state's requirements for licensure or certification. This disclosure is made pursuant to 34 CFR §668.43(a)(5)(v)(C).

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## Educational Leadership: Preliminary Administrative Services Credential Program

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Cal Poly Humboldt's Educational Leadership Program (EDL) is designed for teacher leaders interested in improving education locally as well as globally. The EDL Program will enhance educators' skills and knowledge base while preparing them to lead the way towards school improvement and increased student performance. This cohort model is designed to accommodate the schedules of busy educators through a blend of classroom, online, and video-conferencing instruction. Candidates who wish to earn their California Administrative Services Preliminary Credential will also complete elementary or secondary fieldwork as required by California Commission on Teacher Credentialing (CCTC). Instruction is delivered by local educational leaders, veteran school administrators, and guest presenters who represent the best within their field.

## Program Admission Requirements

Those seeking admission to the program must submit the following documents to the program leader/coordinator:

- a completed application for admission to the program;
- a copy of a valid teaching or pupil personnel services credential;
- participate in an admission interview with the program leader of the Educational Leadership Preliminary Administrative Credential Program;
- two letters of recommendation for admission into the Educational Leadership Program: one from the student's current supervisor and one from another administrator;
- documentation of having completed four years upon entry - and (for candidates seeking a California Preliminary Administrative Services Credential), by completion of credential requirements, five years - of successful, full-time teaching or pupil personnel experience in public or private schools; and

- transcripts verifying a university grade-point average of 2.75 on the last 60 semester units.

## Required Courses

Students must maintain a minimum GPA of 3.00 (with no grade lower than a C-) in the following courses:

- EDL 642 - Curriculum: Development and Governance Units: 3
- EDL 645 - Personnel Administration and Supervision Units: 3
- EDL 646 - The Principal: Leader and Administrator Units: 3
- EDL 647 - Practicum: Diversity Issues and School Administration Units: 2
- EDL 648 - Legal and Fiscal Aspects of School Administration Units: 3
- EDL 649 - Ethics and School Administration Units: 1
- EDL 660 - Technology and School Management Units: 2
- pass a final oral exam on the program's total skills and knowledge.

## Fieldwork Courses and Seminar

Candidates seeking to obtain a Preliminary Administrative Credential must document that a district is willing to support the candidate's fieldwork by completing a fieldwork plan sheet with approval signatures from district and university supervisors; successfully complete the California Basic Education Skills Test; and successfully complete the following:

- EDL 694 - Elementary School Administration Fieldwork Units: 3  
3-unit course taken in the fall and spring for a total of 6 units, **OR**
- EDL 695 - Secondary School Administration Fieldwork Units: 3  
3-unit course taken in the fall and spring for a total of 6 units.
- EDL 696 - Fieldwork and Final Evaluation Seminar Units: 1

### Program Leader

Kenny Richards, Ed.D.  
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707-826-5886

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# Elementary Education: Preliminary Credential Program

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The Elementary Education credential program is a one year course of study that begins in the fall each year. Students can obtain a Multiple Subjects Preliminary Credential by taking a 44-unit professional education program to qualify for teaching positions in grades K-8.

Holders of a preliminary credential are eligible to complete requirements for a professional clear credential within five years through an Induction Program.

## Program Admission Requirements

The credential program application and admission requirements are available at the Education & Credentialing Office (HGH 202) or on the Credential Program Requirements webpage. Orientation sessions that explain the application process are offered each fall, beginning in late September.

## Program Requirements

Credential requirements are subject to change due to action by the state legislature, the California Commission on Teacher Credentialing, or the CSU Office of the Chancellor. The elementary education coordinator has the most current information on changes and how they affect student programs.

Elementary education preliminary-credential courses and field experiences ensure that all candidates completing the program will have been introduced to concepts and strategies for working effectively with English language learners. The program implements the edTPA for the state-mandated teacher performance assessment that candidates must pass to be recommended for a credential.

Preliminary credential courses are sequential, beginning in the fall semester. Candidates observe/participate at their field sites full time on the opening day of school. For the first eight weeks, they have courses three afternoons and evenings per week (Tuesday-Thursday and all day Friday) and participate at their field site a minimum of 16 hours per week. The last seven weeks of the semester, candidates student-teach full time and complete a minimum of five days' solo teaching.

The spring semester follows a similar pattern: intersession (first week of January) full-time observation/participation in the second fieldwork placement; seven weeks of coursework (Tuesday-Thursday and all day Friday) with a minimum of 16 hours per week in the placement; and 13 weeks of full-time student teaching, culminating in a two-week (minimum) solo.

One of the fieldwork placements, either fall or spring, will be in primary grades (TK-3); the other placement will be in upper elementary grades (4-8). Candidates enroll in the following courses.

Candidates must maintain a 3.00 GPA (B average) in preliminary credential coursework to remain in the program. To be recommended for a credential, candidates must earn a C- or better in all preliminary credential courses. For additional information, please read the Elementary Education Handbook, available online.

## Required Courses (44 Units)

### Fall Semester (22 Units)

- EDUC 377 - Education of Exceptional Individuals Units: 2
- EED 708 - Teacher Performance Assessment Support I Units: 1
- EED 712 - Teaching and Learning in Elementary Education Units: 1
- EED 720 - The School and the Student Units: 0.5-3 (Required Units: 1)
- EED 721 - Multicultural Foundations Units: 0.5-2 (Required Units: 2)
- EED 722 - English Language Skills and Reading Units: 0.5-3 (Required Units: 2)
- EED 723 - Integrating Math/Science in Elementary School Units: 0.5-4 (Required Units: 2)
- EED 724 - Fine Arts in the Integrated Elementary Curriculum Units: 0.5-1 (Required Units: 1)
- EED 728 - History/Social Science in the Integrated Elementary Curriculum Units: 0.5-2 (Required Units: 1)

- EED 733 - Teaching English Learners Units: 1
- EED 750 - Student Teaching in Elementary School Units: 8

### Spring Semester (22 Units)

- EED 709 - Teacher Performance Assessment Support 2 Units: 1
- EED 720B - The School and the Student Units: 0.5-3 (Required Units: 1)
- EED 722B - English Language Skills and Reading Units: 0.5-3 (Required Units: 1)
- EED 723B - Integrating Math/Science in Elementary School Units: 0.5-4 (Required Units: 2)
- EED 724B - Fine Arts in the Integrated Elementary Curriculum Units: 0.5-1 (Required Units: 1)
- EED 726 - Professional Development Seminar Units: 0.5-1 (Required Units: 1)
- EED 728B - History/Social Science in the Integrated Elementary Curriculum Units: 0.5-2 (Required Units: 1)
- EED 733B - Teaching English Learners Units: 1
- EED 741 - Health and PE Curriculum in Elementary School Units: 2
- EED 758 - Student Teaching in Elementary School Units: 11

### Supplementary/Subject Matter Authorizations

Supplementary and specific subject matter authorizations may be added to a credential through coursework. A secondary education credential may be added to an elementary education credential by passing the CSET examination for that subject and taking three semester units of secondary education methodology. The department office has the specific requirements.

### Professional Clear Credential

An induction program is the required route to clear an SB 2042 preliminary credential. Locally, Cal Poly Humboldt collaborates with the North Coast Beginning Teacher Project to support new teachers being inducted into the profession.

#### Program Leader

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#### Program Coordinator

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## Secondary Education: Preliminary Credential Program

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This program meets subject-matter and professional requirements to prepare students to teach in secondary schools (middle school and senior high).

### Program Admission Requirements

A bachelor's degree from a regionally accredited institution of higher learning or in exceptional cases, as part of an approved B.A./B.S. subject-matter program at Cal Poly Humboldt. The credential program

application and admission requirements are available on the School of Education: Credential Programs website and at the Education & Credentialing Office (HGH 202). Orientation sessions that explain the application process are offered each fall, beginning in late September.

### Program Requirements (38 units)

Credential requirements are subject to change due to action by the state legislature, the California Commission on Teacher Credentialing, or the CSU Office of the Chancellor. The coordinator has current information on changes and the ways they affect programs.

Candidates must maintain a B average (with no grade lower than a C-) to remain in the program.

Obtain a preliminary credential by taking a 38-unit professional education program to qualify for teaching positions including teaching English language learners. Courses required for the single subjects (secondary education) preliminary credential must be taken in sequence.

### First Semester (19.5 Units)

During the fall semester candidates will be evaluated by their mentor teacher, supervisor, and both discipline-specific and education faculty in terms of their academic abilities and suitability for entering the teaching profession.

- SED 708 - Teacher Performance Assessment Units: 0.5
- SED 711 - Nonviolent Crisis Intervention Units: 1
- SED 712 - Teaching and Learning in Secondary Schools Units: 2
- SED 713 - Classroom Management Units: 1
- SED 714 - Educational Psychology Units: 2
- SED 715 - Multicultural Education Units: 2
- SED 717 - Service Learning in a Multicultural Setting Units: 1
- SED 730 - Bilingual/ELD Theory and Methods Units: 3
- SED 743 - Content Area Literacy Units: 3
- SED 762 - Supervised Fieldwork in Student Teaching Units: 1-3 (2 units required)

### Secondary Curriculum Instruction

Complete one course (2 units).

- SED 731 - Secondary Curriculum Instruction: Art Units: 2
- SED 733 - Secondary Curriculum Instruction: English/Language Arts Units: 2
- SED 734 - Secondary Curriculum Instruction: Modern Language Units: 2
- SED 737 - Secondary Curriculum Instruction: Math Units: 2
- SED 738 - Secondary Curriculum Instruction: Music Units: 2
- SED 739 - Secondary Curriculum Instruction: Physical Education Units: 2
- SED 740 - Secondary Curriculum Instruction: Science Units: 2
- SED 741 - Secondary Curriculum Instruction: Social Studies Units: 2

### Second Semester (18.5 Units)

During the spring semester, candidates spend the entire day in a local school, as any other teacher would. Many candidates find it difficult to hold part-time jobs or take substantial additional coursework during full-time student teaching.

- SED 709 - Teacher Performance Assessment Support Units: 1.5
- SED 767 - Student Teaching Secondary Education Units: 14
- SED 776 - Teaching in Inclusive Classrooms Units: 2

## Secondary Seminars

Complete one seminar (1 unit).

- SED 744 - Secondary Seminar: Art Units: 1
- SED 746 - Secondary Seminar: English Units: 1
- SED 747 - Secondary Seminar: Modern Language Units: 1
- SED 749 - Secondary Seminar: Industrial Technology Units: 1
- SED 750 - Secondary Seminar: Math Units: 1
- SED 751 - Secondary Seminar: Music Units: 1
- SED 752 - Secondary Seminar: Physical Education Units: 1
- SED 753 - Secondary Seminar: Science Units: 1
- SED 754 - Secondary Seminar: Social Studies Units: 1

## Supplementary/Subject Matter Authorizations

Students may add additional subjects to their credential through coursework (as supplementary/subject matter authorizations) or by passing CSET examinations and taking methods courses in additional subject areas. The department office has the specific requirements.

## Professional Clear Credential

An induction program is the preferred route to clear an SB 2042 preliminary credential. Locally, Cal Poly Humboldt collaborates with the North Coast Beginning Teacher Project to support new teachers being inducted into the profession.

### Program Leader

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# Special Education: Preliminary Credential Program

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This program meets subject-matter and professional requirements to prepare students to teach in special education classrooms in elementary and secondary (junior and senior high) schools. See Special Education on the School of Education website for more information.

## Program Admission Requirements

A bachelor's degree from a regionally accredited institution of higher learning or in exceptional cases, as part of an approved BA/BS subject-matter program at Cal Poly Humboldt. Credential program admission requirements and application are available at the Education & Credentialing Office (HGH 202) and on the Credential Program Requirements webpage. Applications are accepted throughout the year for admission the following fall. Apply early as space is limited.

Program Requirements (50 units)

Obtain a preliminary credential by taking a 50-unit professional education program to qualify for teaching positions. Holders of a preliminary credential must complete requirements for a clear credential within five years.

A California Education Specialist Credential permits teaching grades K-12, including adults. This credential authorizes teaching individuals with specific learning disabilities, intellectual disabilities, other health impairments, and serious emotional disturbances.

Upon completing all required tests, all assessments and observations, the US Constitution requirement, an accredited bachelor's degree, and the special education course sequence, candidates apply for a Preliminary Education Specialist Credential in Mild/Moderate Support Needs. This preliminary credential authorizes teaching for five years, during which time candidates must acquire a Clear Education Specialist Credential in Mild/Moderate Support Needs.

Maintain a minimum GPA of 3.00 (with no grade lower than a C-) to remain in the program.

Students must complete 50 units of approved courses in Special Education, including EDUC 377/SPED 777, Education of Exceptional Individuals. The Special Education Program Leader must approve the program of study. Contact the department office for details.

## Foundation Courses (13 Units)

- EDUC 377 - Education of Exceptional Individuals Units: 2
- **OR**
- SPED 777 - Education of Exceptional Individuals Units: 2
- SPED 702 - Foundations of General and Special Education Units: 3
- SPED 703 - Foundations of Assessment and Program Planning Units: 3
- SPED 705 - Multicultural Special Education Units: 2
- SPED 706 - Applied Behavior Analysis for Teachers Units: 3

## Methods Courses (37 Units)

- SPED 707 - Curriculum and Instruction - Reading and Language Arts Units: 3
- SPED 708 - Practicum - Reading and Language Arts Units: 1
- SPED 709 - Curriculum and Instruction - Math Units: 2
- SPED 710 - Practicum: Math Instruction Units: 1
- SPED 711 - Curriculum and Instruction - Science, History and Social Science Units: 2
- SPED 721 - Transition Planning Units: 3
- SPED 722 - Autism Intervention Strategies Units: 2
- SPED 731 - Classroom Management Units: 1
- SPED 733 - Special Education Policies and Procedures Units: 2
- SPED 736 - Curricular and Instructional Skills Seminar Units: 1
- SPED 737 - Non-Violent Crisis Intervention- Special Populations Units: 1
- SPED 738 - Fall Special Education Student Teaching Units: 5-9
- SPED 739 - Spring Special Education Student Teaching Units: 5-9

## Programs Leading to Licensure and Credentialing

Admission into programs leading to licensure and credentialing does not guarantee that students will obtain a license or credential. Licensure and credentialing requirements are set by agencies that are not controlled by or affiliated with the CSU and requirements can change at any time. For example, licensure or credentialing requirements can include evidence of the right to work in the United States (e.g., social security number or taxpayer identification number) or successfully passing a criminal background check. Students are responsible for determining whether they can meet licensure or credentialing requirements. The CSU will not refund tuition, fees or any associated costs to students who determine subsequent to admission that they cannot meet licensure or credentialing requirements. Information concerning licensure and credentialing requirements are available from the Office of Academic Affairs, Siemens Hall 216, 707-826-3722.

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### Program Leader

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KA 322  
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## Course Descriptions

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### American Indian Education

#### AIE 330 - History of Indian Education

Units: 3  
From first contact with Europeans to contemporary times. Emphasis: how federal policy shaped educational policy for American Indians.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
All University Requirements: DCG: Domestic  
Weekly: Seminar 3 hrs.

#### AIE 335 - Social and Cultural Considerations

Units: 3  
How social and cultural factors affect educational experiences of American Indian students attending mission, BIA boarding, or public schools. Apparent learning problems.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
All University Requirements: DCG: Domestic  
Weekly: Seminar 3 hrs.

#### AIE 340 - Instructional Practices in American Indian Education

Units: 3  
Analyze and implement developmental theory, pedagogical models, and indigenous knowledge systems.  
Division: Upper Division  
Requisites: Pre-requisite: Completion of all other minor requirements: AIE 330; AIE 335; (CD 209, CD 253, or CD 255); (NAS 340, NAS 345, AIE 380 or AIE 580).  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis

All University Requirements: DCG: Domestic  
Weekly: Seminar 3 hrs.

#### AIE 380 - Special Topics

Units: 0.5-3  
Topics of current interest in education, American Indian health, and tribal professional issues.  
Division: Upper Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar hrs TBD

#### AIE 499 - Independent Study

Units: 0.5-3  
Directed study, reading, conference, research on selected problems in American Indian education.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Supervision hrs TBD

#### AIE 580 - Special Topics

Units: 0.5-3  
Topics of current interest in education, American Indian health, and tribal professional issues.  
Division: Graduate  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Mandatory CR/NC  
Weekly: Seminar hrs TBD

## Anthropology

#### ANTH 102 - Introduction to the Anthropology of Language

Units: 3  
Overview of anthropological study of language structure, use and change. Topics include language emergence, verbal arts and technologies, literacy, linguistic relativity, fieldwork design features and diverse social and historical contexts.  
Division: Lower Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE D: Social Sciences  
All University Requirements: DCG: Non-Domestic  
Weekly: Seminar 3 hrs.

#### ANTH 103 - Biological Anthropology

Units: 3  
Introduction to human evolution and adaptation through scientific principles, evolutionary theory, genetic inheritance, nonhuman primates, fossil record, forensics, and evolutionary medicine. Not intended for most science/natural resource majors.  
Division: Lower Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE B2: Life Science, GE B3: Laboratory Activity  
Weekly: Lecture 2 hrs. Laboratory 3 hrs.

#### ANTH 104 - Cultural Anthropology

Units: 3  
World's diverse cultures. Richness of human life in different times and places. Multicultural nature of today's world.  
Division: Lower Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE D: Social Sciences

All University Requirements: DCG: Non-Domestic  
Weekly: Lecture 3 hrs.

### **ANTH 105 - Archaeology and World Prehistory**

Units: 3

This course introduces students to the field of archaeology and traces the many paths of cultural evolution as reconstructed from the archaeological record.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE D: Social Sciences

Weekly: Lecture 3 hrs.

### **ANTH 210 - Introduction to the Anthropology Major**

Units: 1

Explore program requirements, including career trajectories and emphasis selection. Develop a plan for successful completion of the degree. Connect with department community and learn about the department resources and facilities.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 1 hr.

### **ANTH 235 - Act to End Sexualized Violence**

Units: 1

Cross-listed with: COMM 235, CRGS 235, PSCI 235, SOC 235

Analyze how sexualized violence impacts communities and operates as social control; learn to recognize victim-blaming, promote survivor centered responses, foreground enthusiastic consent, and take action to transform our campus community.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Mandatory CR/NC

Weekly: Lecture 1 hr.

### **ANTH 302 - Anthropology of Religion**

Units: 3

Theoretical perspectives and modes of analysis of religious belief systems and practices. Focus: preliterate and peasant religions, including ritual, magic, and symbol systems.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE UD Area D: Social Sciences

All University Requirements: DCG: Non-Domestic

Weekly: Seminar 3 hrs.

### **ANTH 305 - Human Evolutionary Health**

Units: 3

How the biology, behavior, diet, strategies, and experiences of our ancestors are reflected in and affect us today; examine human biocultural diversity within the context of evolutionary history.

Recommended preparation: LD GE Area B: Life Forms.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE UD Area B: Math & Science

All University Requirements: DCG: Non-Domestic

Weekly: Lecture 3 hrs.

### **ANTH 307 - World Heritage and Archaeology**

Units: 3

Studies of diverse human values and social systems embedded in cultures of a world region through investigations in archaeology and/or cultural anthropology.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE UD Area D: Social Sciences

All University Requirements: DCG: Non-Domestic

Weekly: Lecture 3 hrs.

### **ANTH 308 - Sustainable Food Systems**

Units: 3

Explores the scientific, historical, ethical, economic, and cultural aspects and considerations of growing, harvesting, processing, transporting, marketing, eating, and disposing of food. Food systems are complex and multifaceted. Which foods are made available to us and why, is often highly political. Food directly impacts our health, the economy, the environment, and the wellness and resiliency of our communities. Critically explore the scientific and pertinent social factors of what makes a food system sustainable.

Division: Upper Division

Requisites: Pre-requisite: sophomore standing or above.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE UD Area B: Math & Science

Sustainability: Sustainability Focused

Weekly: Lecture 3 hrs.

### **ANTH 310 - Theory and History in Anthropology**

Units: 4

Examines the shifting paradigms driving anthropological theories and ethnographic research from the foundations of the discipline to the present.

Division: Upper Division

Requisites: Pre-requisite: ANTH 104; ANTH 103(C) or ANTH 105(C); ANTH 210(C).

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 4 hrs.

### **ANTH 316 - Anthropology and Development**

Units: 4

Traditional cultures and their economies. How these societies have adjusted to world economy. Analyze social costs/benefits of economic development.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Related

Weekly: Lecture 4 hrs.

### **ANTH 317 - Gender and Development**

Units: 4

Explore how social and economic change happens, focusing on how development policies, programs and issues affect women and men, girls and boys, differently. Examine a range of gender related concerns across the developed and developing world, including: sexual/reproductive health, LGBTQIA+, formal/informal work, education, microfinance, migration, and the environment.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Related

Zero cost course materials: No Course Materials Required

Weekly: Seminar 4 hrs.

### **ANTH 318 - Ethnography**

Units: 4

Problems and techniques of describing culture and representing the "other." Critical look at the process and politics of descriptions anthropologists craft.

Division: Upper Division

Requisites: Pre-requisite: ANTH 104.

Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 4 hrs.

### **ANTH 328 - Social Anthropology Lab**

Units: 1-4  
Training in research techniques, including field investigations, appropriate for various topical areas of social and cultural anthropology. Concurrent enrollment required for certain courses.  
Division: Upper Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Activity hrs TBD

### **ANTH 329 - Selected Topics in Social Anthropology**

Units: 1-4  
Seminars provide fresh anthropological perspectives on topics such as activism, art, community, environment, film, food, folklore, health, media, medicine, migration, politics.  
Division: Upper Division  
Requisites: Check with department for topics and prerequisites.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 1 hr.

### **ANTH 330 - Method and Theory in Biological Anthropology**

Units: 4  
Introduces major research areas within biological anthropology, including their fundamental theories, scientific concepts, and methods of data collection and analysis.  
Division: Upper Division  
Requisites: Pre-requisite: Lower Division GE Area B Life Forms.  
Permission to enroll: No Special Consent Required  
Grading mode: Mandatory Letter Grade  
Weekly: Lecture 4 hrs.

### **ANTH 331 - Paleoanthropology**

Units: 4  
Evolutionary theory, the behavior, ecology, and morphology of human ancestors, and the emergence of our species. This course is framed by the major debates and rivalries within the discipline.  
Division: Upper Division  
Requisites: Pre-requisite: Lower Division GE Area B Life Forms.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Related  
Weekly: Seminar 4 hrs.

### **ANTH 332 - Skeletal Biology and Forensics**

Units: 4  
Intensive study of human osteology and skeletal biology, including techniques for creating biological profiles and estimating age, sex, stature, trauma, and disease; application to legal investigations and human rights."  
Division: Upper Division  
Requisites: Pre-requisite: Lower Division GE Area B Life Forms.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 4 hrs.

### **ANTH 333 - Primate Adaptation and Evolution**

Units: 4  
Nonhuman primate evolution and adaptation; what makes primates unique mammals; models for big evolutionary questions; systematics; anatomy; behavioral ecology and strategies of extant primates; biogeography; primate origins; adaptive radiation; fossils.  
Division: Upper Division

Requisites: Pre-requisite: Lower Division GE Area B Life Forms.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 4 hrs.

### **ANTH 334 - Anthropology, Ecology and Conservation**

Units: 4  
Interrelationships between humans and the environment, with an eye to conservation. Topics such as: ecology of human and nonhuman primate habitats; biogeography, biodiversity; biotic interactions; globalization; population growth; climate change.  
Division: Upper Division  
Requisites: Pre-requisite: Lower Division GE Area B: Life Forms.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Focused  
Weekly: Seminar 4 hrs.

### **ANTH 338 - Biological Anthropology Lab**

Units: 1  
This lab course focuses on developing laboratory methods and analytical skills used in biological anthropology, while introducing the basics of comparative human anatomy and physiology.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Laboratory 3 hrs.

### **ANTH 339 - Special Topics in Biological Anthropology**

Units: 1-4  
Seminars on topics such as: advanced bioanth methods, evolutionary theory, human osteology, functional/evolutionary anatomy, primate evolution, ecology, conservation, nutrition, medical anthropology, epidemiology, epigenetics, zooarchaeology, taphonomy and bioarchaeology.  
Division: Upper Division  
Requisites: Pre-requisite: Lower Division GE Area B Life Forms.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar hrs TBD

### **ANTH 340 - Language and Culture**

Units: 4  
Scope and variety of linguistic research. Emphasis on cross-cultural comparison and relation of languages to culture.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 4 hrs.

### **ANTH 341 - Anthropological Linguistics**

Units: 4  
Introduces formal practice of anthropological linguistics. Structure of human languages; language variation and change; acquisition and meaning. Methodologies include phonetics, phonemics, morphology, and syntax.  
Division: Upper Division  
Requisites: Pre-requisite: ANTH 104 (C).  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 4 hrs.

### **ANTH 350 - Method and Theory in Archaeology**

Units: 4  
Roles of theory and scientific method in reconstructing past cultures, culture process, and change.  
Division: Upper Division  
Requisites: Pre-requisite: ANTH 105 or IA.

Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 4 hrs.

### **ANTH 351 - Archaeological Materials Analysis**

Units: 4  
This course will serve as a hands-on introduction to interpreting artifacts from sites. It will cover phases of analysis including: defining problem, attributes, cataloging data, analyzing data, and interpreting results.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 4 hrs.

### **ANTH 352 - Experimental Archaeology**

Units: 4  
This course will introduce students to experimental archaeology, or the scientific manner in which archaeologists engage in controlled experiments in order to better understand life in the past.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Mandatory Letter Grade  
Weekly: Lecture 4 hrs.

### **ANTH 353 - Archaeology of Warfare**

Units: 4  
This course will explore the origins/causes/consequences of warfare. We will gain an understanding of the range of variation in which warfare and human societies have influenced one another.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 4 hrs.

### **ANTH 354 - Cultural Resource Management**

Units: 4  
Vocationally-oriented introduction to applied archaeology. Ethical, legal, and technical aspects of conserving prehistoric and historic cultural resources of the US.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 4 hrs.

### **ANTH 357 - Field Archaeology**

Units: 1-6  
Field experience in local area or in summer field school. Content varies: surface survey, mapping, or excavation. May involve placement as volunteer with federal or state agency.  
Division: Upper Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar hrs TBD

### **ANTH 358 - Archaeology Lab**

Units: 1-3  
Archaeology lab activities.  
Division: Upper Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Activity hrs TBD

### **ANTH 359 - Special Topics in Archaeology**

Units: 1-4  
Seminars in selected subfields (concentrations or theory): environmental archaeology, geoarchaeology, archaeoastronomy, zooarchaeology, historical archaeology, ethnohistory. Check with

faculty for content.  
Division: Upper Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar hrs TBD

### **ANTH 387 - International Education Colloquium**

Units: 1  
Cross-listed with: COMM 387, ECON 387, GEOG 387, HIST 387, INTL 387, PSCI 387  
Earn credit by attending International Education Week events and participating in an online discussion forum. Mandatory pre-event meeting.  
Division: Upper Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Mandatory CR/NC  
Sustainability: Sustainability Related  
Zero cost course materials: No Course Materials Required  
Weekly: Lecture 1 hr.

### **ANTH 390 - World Regions Cultural Seminar**

Units: 4  
Culture, values, and social interaction in cultures of a world region (North America, Latin America, Oceania, Asia, Africa). Analyze cultural integration, contact, change, and development in historical and contemporary contexts.  
Division: Upper Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 4 hrs.

### **ANTH 394 - Regional Survey of North American Archaeology**

Units: 4  
Intensive survey of archaeology in a North American region from the Paleoindian to Spanish contact and methods used to reconstruct this past. Regions vary by semester.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 4 hrs.

### **ANTH 395 - Mesoamerican Archaeology**

Units: 4  
Intensive survey of pre-Hispanic cultures of Mexico and Central America. Origins, development, and characteristics of native civilizations: Olmec, Mayan, Teotihuacan, Monte Alban, Toltec, and Aztec.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 4 hrs.

### **ANTH 410 - Anthropology Capstone**

Units: 4  
Capstone seminar on contemporary anthropological theory designed to prepare students for an academic or applied career using their anthropology degree. Final course projects may reflect students' sub-disciplinary interests.  
Division: Upper Division  
Requisites: Pre-requisite: ANTH 310.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 4 hrs.

### **ANTH 482 - Anthropology Internship/Lab/ Research**



Units: 2

Engages students at Cal Poly Humboldt anthropology labs, local museums, community organizations, government agencies, and other institutions to enhance students' knowledge of applied anthropology contexts, methodologies, institutional cultures, and work environments. Recommended preparation: ANTH 210.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Mandatory Letter Grade

Zero cost course materials: No Course Materials Required

Academic internship course: Yes

Weekly: Tutorial hrs TBD

### **ANTH 483 - Anthropology Teaching and Leadership**

Units: 2

Exploration of pedagogy for teaching and leadership within and beyond anthropology; students actively engage in teaching and/or leadership roles as an integral component of the course. Recommended preparation: ANTH 103, ANTH 104, ANTH 105.

Division: Upper Division

Requisites: Pre-requisite: ANTH 210, Sophomore standing or above.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Tutorial hrs TBD

### **ANTH 485 - Senior Seminar**

Units: 1-4

Advanced topics with relevance for the entire anthropology discipline. Check with faculty for course content and prereqs.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar hrs TBD

### **ANTH 490 - Senior Thesis**

Units: 1-4

Supervised experience formulating research proposals and writing research reports.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: Instructor Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Supervision hrs TBD

### **ANTH 495 - Field Projects in Anthropology**

Units: 1-4

Supervised field research.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Supervision hrs TBD

### **ANTH 499 - Independent Study**

Units: 1-4

Selected topics for advanced students.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: Instructor Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Supervision hrs TBD

### **ANTH 618 - Qualitative Methods and Analysis**

Units: 1-3

Gain experience in qualitative research methods and analysis (participant observation, interviews, artifact and qualitative data analysis). Students learn to collect and analyze qualitative data as well as present research results.

Division: Graduate

Requisites: Pre-requisite: ANTH 670 and ANTH 671.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 1 hr.

### **ANTH 621 - Anthropology and Globalization**

Units: 1-3

Examines fractured nature of globalization in diverse political economies, with focus on cultural transformation and resistance, changing paradigms of 'development' and Indigenous critiques. (Local, regional, and global markets and institutions.)

Division: Graduate

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Related

Weekly: Seminar 1 hr.

### **ANTH 637 - Applied Biological Anthropology**

Units: 1-3

In-depth study of modern approaches and growing fields of interest across biological anthropology and bioarchaeology, such as genetics, stable isotope analysis, pathology, nutrition and foraging ecology, and functional morphology.

Division: Graduate

Requisites: Pre-requisite: Applied Anthropology M.A. program.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 1 hr.

### **ANTH 654 - Cultural Resources Management**

Units: 1-3

In-depth exploration of skills needed to function in a professional cultural resource management (CRM) environment. Includes historical development of CRM, contemporary regulatory framework, project planning, proposal writing, archival research, project management, and reporting.

Division: Graduate

Requisites: Pre-requisite: enrollment in applied anthropology MA program.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 1 hr.

### **ANTH 670 - Introduction to Applied Anthropology**

Units: 2

Introduction to anthropological perspectives, methods, theories and practices applied to human and environmental problems in academic, professional and global contexts; evaluation and debate of current issues; development of research interests.

Division: Graduate

Requisites: Pre-requisite: enrollment in applied anthropology MA program. Co-requisite: ANTH 671.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Related

Weekly: Seminar 2 hrs.

### **ANTH 671 - Methods in Applied Anthropology**

Units: 3

Intensive overview of methods and materials used within applied archaeological, biological, and cultural anthropology. Topics include ethnographic data collection, structured observation, interviewing, excavation, lab techniques, materials/ artifact/skeletal analysis, and data

management.

Division: Graduate

Requisites: Pre-requisite: enrollment in applied anthropology MA program. Co-requisite: ANTH 670.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Activity 6 hrs.

### **ANTH 672 - Theory in Applied Anthropology**

Units: 3

Connect anthropological theory and practice in order to address human problems in concrete settings. Develop critical evaluation of and effectively communicate about problems and interactions between humans and their environments.

Division: Graduate

Requisites: Pre-requisite: enrollment in applied anthropology MA program.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Related

Weekly: Seminar 3 hrs.

### **ANTH 673 - Anthropology Careers and Management Strategy**

Units: 3

In-depth examination of domains in which anthropological principles, theories, and methods are applied; intensive development of professional-level skills, written communication, and portfolios; strategic management of applied projects and their outcomes.

Division: Graduate

Requisites: Pre-requisite: ANTH 671, Applied Anthropology M.A. program.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 3 hrs.

### **ANTH 674 - Research Project Design**

Units: 3

Guided preparation of research proposals or grant applications, with a focus on student initiative and responsibility. Theoretical and methodological topics include defining questions, designing fieldwork, proposal evaluation criteria, and peer review.

Division: Graduate

Requisites: Pre-requisite: ANTH 671, enrollment in applied anthropology MA program.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 3 hrs.

### **ANTH 678 - Applied Anthropology Pro Seminar**

Units: 1

Ongoing seminar/colloquium for MA cohort. Focus on research in progress, developing arguments, and written and oral presentations in a structured and supervised format.

Division: Graduate

Requisites: Pre-requisite: enrollment in applied anthropology MA Program.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 1 hr.

### **ANTH 679 - Applied Anthropology Region**

Units: 1-3

Holistic examination of applied anthropology projects in context. Critical analysis of interplay of factors contributing to the complex reality confronting communities and professionals. Regions and sub-disciplines vary with each offering.

Division: Graduate

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 1 hr.

### **ANTH 680 - Graduate Seminar**

Units: 1-4

Intensive study; special topics.

Division: Graduate

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar hrs TBD

### **ANTH 681 - Advanced Research Training**

Units: 1-4

Supervised work in ongoing faculty research project. Acquire familiarity with theory construction, research training, data collection, and analysis.

Division: Graduate

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Supervision hrs TBD

### **ANTH 682 - Anthropology Internship/Field Placement**

Units: 1-3

Engages students with the work of research libraries, museums, community organizations, government agencies, and other institutions to enhance students' knowledge of sources, research methodologies, institutional cultures, and work environments.

Division: Graduate

Requisites: Pre-requisite: ANTH 670, ANTH 671, enrollment in applied anthropology MA program.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Academic internship course: Yes

Weekly: Tutorial hrs TBD

### **ANTH 690 - Thesis/Project**

Units: 1-6

Thesis/project research and writing, peer review, and presentation of thesis or project for committee evaluation.

Division: Graduate

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Mandatory CR/NC

Zero cost course materials: No Course Materials Required

Weekly: Tutorial hrs TBD

### **ANTH 691 - Comprehensive Exam**

Units: 3

Work toward completion of comprehensive exam with guidance from faculty. Comprehensive exams are generally completed during students' final semester in MA program.

Division: Graduate

Permission to enroll: No Special Consent Required

Grading mode: Mandatory CR/NC

Weekly: Tutorial hrs TBD

### **ANTH 695 - Field Research**

Units: 1-4

Supervised field research.

Division: Graduate

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Supervision hrs TBD

### **ANTH 699 - Independent Study**

Units: 1-4

Directed study of selected problems, issues, and theoretical/ analytical concerns.

Division: Graduate

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Supervision hrs TBD

## **Art**

### **ART 100 - Global Perspectives in Art**

Units: 3

Designed for the non-art major, this course explores contemporary art from around the world. The social, political, and cultural contexts in which the art was produced is explored. Does not apply toward art studio, art history, or art education majors/minors.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE C1: Arts

All University Requirements: DCG: Non-Domestic

Weekly: Seminar 3 hrs.

### **ART 103A - Prehistoric to Medieval Art**

Units: 3

First of a two-part survey of world art history. Covers art and architecture from Europe, Africa, Asia and the Americas from prehistory through the middle ages.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE C1: Arts

Weekly: Lecture 3 hrs.

### **ART 103B - Renaissance to Contemporary Art**

Units: 3

Second of a two-part survey of world art history. Covers art and architecture from Europe, Africa, Asia and the Americas from 1400CE to the present day.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE C1: Arts

Weekly: Lecture 3 hrs.

### **ART 104B - Ancient Art**

Units: 3

Prehistoric, Mesopotamian, Egyptian, Aegean, Greek, and Roman art.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE C1: Arts

Weekly: Lecture 3 hrs.

### **ART 104C - Medieval Art**

Units: 3

Early Christian, Byzantine, early medieval, Romanesque, and Gothic art.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE C1: Arts

Weekly: Lecture 3 hrs.

### **ART 104F - Renaissance Art**

Units: 3

Italian and Northern European artists during the Renaissance.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE C1: Arts

Weekly: Lecture 3 hrs.

### **ART 104G - Baroque Art**

Units: 3

Rubens, Rembrandt, and other artists, 1600-1750.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE C1: Arts

Weekly: Lecture 3 hrs.

### **ART 104H - 19th Century Art**

Units: 3

European art from the neoclassical to the post-impressionist periods.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE C1: Arts

Weekly: Lecture 3 hrs.

### **ART 104I - 20th Century Art**

Units: 3

Survey of painting and sculpture in the 20th century.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE C1: Arts

Weekly: Lecture 3 hrs.

### **ART 104J - American Art**

Units: 3

Survey of art covering major artists, stylistic movements, and cultural trends within the borders of the US from the Colonial Period to WWII.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE C1: Arts

All University Requirements: DCG: Domestic

Weekly: Lecture 3 hrs.

### **ART 104K - Africa, Oceania, the Americas**

Units: 3

African, Native American, and Oceanic art. Various approaches to, and concepts of, art in these cultural regions.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE C1: Arts

All University Requirements: DCG: Non-Domestic

Weekly: Lecture 3 hrs.

### **ART 104M - Latin American Art**

Units: 3

History of art and architecture of Mexico, Central America, South America, and the Caribbean from 1500 BCE to the present. Considers the social, political, and cultural contexts in which this art was produced.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE C1: Arts

All University Requirements: DCG: Non-Domestic

Weekly: Lecture 3 hrs.

**ART 104N - Asian Art**

Units: 3

Surveys the visual arts of India, China, and Japan in the context of each country's diverse religious, cultural and political histories.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE C1: Arts

All University Requirements: DCG: Non-Domestic

Weekly: Lecture 3 hrs.

**ART 105B - Fundamentals of Drawing**

Units: 3

Training in fundamentals of drawing: form, space, organization, composition. Various drawing materials and techniques.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE C1: Arts

Weekly: Activity 6 hrs.

**ART 105C - 2D Foundations**

Units: 3

Concepts of line, texture, value, shape, color, and composition in the context of 2-dimensional space. Discussion of the nature of visual perception including illusions and cultural influences on perception.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE C1: Arts

Zero cost course materials: No Course Materials Required

Weekly: Activity 6 hrs.

**ART 105D - 3D Foundations**

Units: 3

Introduction to materials, techniques and concepts of organizing forms in three dimensions. Discussion of 3D design principles and history in relation to arts, architecture, products and prototype design.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE C1: Arts

Zero cost course materials: No Course Materials Required

Weekly: Activity 6 hrs.

**ART 106 - Painting I**

Units: 3

Training in the fundamentals of painting: color, composition, and technical issues. Develop visual principles through various subject matter. Recommended preparation: ART 105B and ART 105C or Instructor Approval.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE C1: Arts

Zero cost course materials: No Course Materials Required

Weekly: Activity 6 hrs.

**ART 107 - Printmaking I**

Units: 3

Introduction to the contemporary practices and aesthetics of printmaking. Concentration on basic relief, intaglio, monotype and/or lithography methods. Recommended preparation: ART 105B and ART 105C.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE C1: Arts

Zero cost course materials: No Course Materials Required

Weekly: Activity 6 hrs.

**ART 108 - Digital Media I**

Units: 3

Introduction to principles, tools and methodologies of digital media art and design. Introduction to industry-standard software including Adobe Illustrator, InDesign, and Photoshop within the context of visual problem-solving.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE C1: Arts

Zero cost course materials: No Course Materials Required

Weekly: Activity 6 hrs.

**ART 109 - Sculpture I**

Units: 3

Introduction to sculpture and three-dimensional thinking and vocabulary. Techniques include fabrication in steel, fibers and wood, reduction in stone or plaster and found objects. Presentation of correct tool usage and safety issues.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE C1: Arts

Zero cost course materials: No Course Materials Required

Weekly: Activity 6 hrs.

**ART 112 - Scientific Drawing I**

Units: 3

Development of skills in the observation and accurate rendering of scientific subjects.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Activity 6 hrs.

**ART 122 - Life Drawing I**

Units: 3

Study of the form of the human figure from direct observation. Includes study of basic anatomy of interest to the artist.

Division: Lower Division

Requisites: Pre-requisite: ART 105B or Instructor Approval.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Activity 6 hrs.

**ART 250 - Darkroom Photography**

Units: 3

Fundamentals of fine art analog black-and-white photography. Camera operations, film development, and silver gelatin printing. Discuss work of historical and contemporary fine art photographers.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Activity 6 hrs.

**ART 251 - Photography I**

Units: 3

Fundamentals of digital camera functions and introduction to digital imaging software. Exploration of creative image control and visual communication through lens-based image making.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Activity 6 hrs.

**ART 273 - Illustration I**

Units: 3

Introduction to traditional media illustration workflow, concepts, and materials and techniques. Recommended preparation: ART 105B.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Activity 6 hrs.

### **ART 282 - Jewelry/Small Metals I**

Units: 3

Introduction to fabrication in silver and base metals. Techniques include sawing, soldering, etching, stone setting. Proper tool usage and safety.

Problem solving and development of intuitive thinking.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Activity 6 hrs.

### **ART 290 - Ceramics I**

Units: 3

Development of basic forming and glazing skills, an understanding of visual form, and creative problem solving.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Activity 6 hrs.

### **ART 301 - Topics in Western Art History**

Units: 3

Topics in western art history from antiquity to the present.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE UD Area C: Art & Humanities

Weekly: Lecture 3 hrs.

### **ART 301M - Topics in Western Art History Depth Experience**

Units: 1

Selected topics in western art history. Explores course topics in greater detail through a combination of seminar meetings, writing assignments, and presentations.

Division: Upper Division

Requisites: Co-requisite: ART 301.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 1 hr.

### **ART 302 - Topics in Global Art History**

Units: 3

Topics in non-western art history from antiquity to the present.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE UD Area C: Art & Humanities

All University Requirements: DCG: Non-Domestic

Weekly: Lecture 3 hrs.

### **ART 302M - Topics in Global Art History Depth Experience**

Units: 1

Selected topics in non-western art history. Explores course topics in greater detail through a combination of seminar meetings, writing assignments, and presentations.

Division: Upper Division

Requisites: Co-requisite: ART 302.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 1 hr.

### **ART 303 - Global Contemporary Art**

Units: 3

This course explores global contemporary art and theory (post-1970).

Emphasis is placed on understanding major trends as well as theoretical models so that students can generate their own informed analysis.

Division: Upper Division

Requisites: Recommended Preparation : ART 103B

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE UD Area C: Art & Humanities

All University Requirements: DCG: Non-Domestic

Weekly: Lecture 3 hrs.

### **ART 303M - Global Contemporary Art Depth Experience**

Units: 1

This course explores global contemporary art and theory in greater detail through a combination of seminar meetings, writing assignments, and presentations. Recommended preparation: ART 104I.

Division: Upper Division

Requisites: Co-requisite: ART 303.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 1 hr.

### **ART 304 - Topics in American Art**

Units: 3

Topics in American art history, pre-contact to the present.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE UD Area C: Art & Humanities

All University Requirements: DCG: Domestic

Weekly: Lecture 3 hrs.

### **ART 304M - Topics in America Art Depth Experience**

Units: 1

Topics in American art history, precontact to the present. Explores course topics in greater detail through a combination of seminar meetings, writing assignments, and presentations.

Division: Upper Division

Requisites: Co-requisite: ART 304.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 1 hr.

### **ART 305 - Museums and the Politics of Display**

Units: 3

Addresses how methods of display impact our understanding of cultures, histories, and objects. Examines the historical development of museums, including their collection, exhibition and education practices. Particular attention is given to issues of diversity and multiculturalism.

Visits to virtual museums, galleries and alternative exhibition spaces will also be an important element of the course.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE UD Area C: Art & Humanities

Zero cost course materials: Zero Cost Course Materials

Weekly: Lecture 3 hrs.

### **ART 307 - Arts Integration in the Elementary Classroom**

Units: 3

This course introduces prospective elementary teachers to the processes of creating, critiquing, and historically and culturally contextualizing visual arts methods and traditions for integration in the elementary (K-5) classroom. Coursework will prepare students for the development of California Arts Standards (CAS)-based lesson plans for integration in California schools.

Division: Upper Division

Requisites: Pre-requisite: must be Liberal Studies Elementary Education or Liberal Studies Child Development Elementary Education major.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE UD Area C: Art & Humanities

All University Requirements: DCG: Non-Domestic

Weekly: Activity 6 hrs.

### **ART 321 - Drawing II**

Units: 3

Further development of formal, technical, and conceptual skills.

Introduction of color drawing media. Emphasis on drawing as a tool for the visual communication of ideas. Recommended preparation: ART 105C.

Division: Upper Division

Requisites: Pre-requisite: ART 105B;

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Activity 6 hrs.

### **ART 324 - Drawing III**

Units: 3

Build on skills and concepts explored in prerequisite courses. Develop an aesthetically cohesive series of drawings informed by individual interests.

Division: Upper Division

Requisites: Pre-requisite: ART 112 or ART 273 or ART 321 or ART 325 or Instructor Approval.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Activity 6 hrs.

### **ART 325 - Life Drawing II**

Units: 3

Continued study of the form of the human figure from direct observation. Exploration of the ways in which figurative art can be used to communicate ideas.

Division: Upper Division

Requisites: Pre-requisite: ART 122 or IA.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Activity 6 hrs.

### **ART 326 - Painting II**

Units: 3

Further develop fundamentals of painting: materials, techniques, form, space, organization, composition, color. Explore individual intuition and vision. Emphasis on visual form and principles rather than subject matter.

Division: Upper Division

Requisites: Pre-requisite: ART 105B and ART 106 or IA.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Activity 6 hrs.

### **ART 329 - Painting III**

Units: 3

Further develop individual intuition and vision. Apply, understand, and compare concepts, attitudes, and methods of traditional and contemporary approaches to painting. Recommended preparation: ART 326 or Instructor Approval.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Activity 6 hrs.

### **ART 330 - Printmaking: Studio Topics**

Units: 3

Further development of formal, technical, and conceptual skills.

Emphasis on larger scale prints, color printing and combinations of print techniques. Rotating concentration on one or two print processes.

Division: Upper Division

Requisites: Pre-requisite: ART 107 or IA.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Activity 6 hrs.

### **ART 333 - Printmaking Portfolio Development**

Units: 3

Continued development of print skills to create personally expressive and content-driven artwork. course explores intensive study of intaglio, relief, monotype, lithography, and/or new processes.

Division: Upper Division

Requisites: Pre-requisite: ART 330 or IA.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Activity 6 hrs.

### **ART 337 - Photography: Studio Topics**

Units: 3

In-depth exploration of photographic tools and processes that build upon a basic knowledge of camera functions and analog and/or digital processes. Topics may include: alternative non-silver darkroom processes, digital negatives, large format cameras, and studio lighting.

Division: Upper Division

Requisites: Pre-requisite: ART 250 or ART 251.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Activity 6 hrs.

### **ART 339 - Photography : Portfolio Development**

Units: 3

Preparation for professional art practice. Concentration on developing thematic portfolio and professional presentation methods. Discussion of contemporary photo issues.

Division: Upper Division

Requisites: Pre-requisite: ART 337 and ART 367.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Activity 6 hrs.

### **ART 340 - Digital Media II**

Units: 3

Continued investigation into visual communication with emphasis in typography, layout and design, and information architecture.

Division: Upper Division  
Requisites: Pre-requisite: ART 108.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Activity 6 hrs.

#### **ART 343 - Digital Media: Portfolio Development**

Units: 3  
Prepare for entry into professional practice through the development of a market-ready portfolio and work on complex problems.  
Division: Upper Division  
Requisites: Pre-requisite: ART 340.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Activity 6 hrs.

#### **ART 345 - Sculpture: Studio Topics**

Units: 3  
In-Depth exploration of sculptural philosophies and processes that build on sculptural knowledge. Topics such as: installation, performance, earth/ land works, public art, photographing 3D work, ephemeral, conceptual will be explored.  
Division: Upper Division  
Requisites: Pre-requisite: ART 109.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Activity 6 hrs.

#### **ART 346 - Sculpture: Materials and Methods**

Units: 3  
Continuation and development of skills with emphasis on newer media. Work with public art, ephemera, installation, earth works, performance.  
Division: Upper Division  
Requisites: Pre-requisite: ART 109.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Activity 6 hrs.

#### **ART 347 - Sculpture: Portfolio Development**

Units: 3  
Preparation for professional art practice. Emphasis on personal conceptual development and creation of cohesive body of work.  
Division: Upper Division  
Requisites: Pre-requisite: ART 109.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Activity 6 hrs.

#### **ART 348 - Jewelry/Small Metals: Casting and Fabrication**

Units: 3  
Introduction to casting and fabrication techniques: forming, enameling, cold connections, and stone setting through assigned projects. Alternative materials and patination. Further develop problem solving, intuitive thinking, and personal vocabulary.  
Division: Upper Division  
Requisites: Pre-requisite: ART 282.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Activity 6 hrs.

#### **ART 349 - Jewelry/Small Metals: Studio**

Units: 3  
Further technical and material exploration. Emphasis on development of a cohesive body of work. Preparation for professional art practice.  
Division: Upper Division  
Requisites: Pre-requisite: ART 282.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Activity 6 hrs.

#### **ART 350 - Ceramics: High Fire**

Units: 3  
Further development of forming and glazing skills associated with high temperature firing and materials. Emphasis on wheel-thrown forms.  
Division: Upper Division  
Requisites: Pre-requisite: ART 290.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Activity 6 hrs.

#### **ART 351 - Ceramics: Low Fire**

Units: 3  
Further development of forming and glazing skills associated with low-temperature firing and materials. Emphasis on hand-built forms.  
Division: Upper Division  
Requisites: Pre-requisite: ART 290.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Activity 6 hrs.

#### **ART 354 - Problems in Art History**

Units: 1-4  
Special topics.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture hrs TBD

#### **ART 356 - Museum and Gallery Practices**

Units: 3  
Overview of museum & gallery operations, including structural organization, collections management, conservation, installation, and exhibitions. Organize, design & install exhibitions in the Reese Bullen Gallery. Recommended preparation: ART 301.  
Division: Upper Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Activity 6 hrs.

#### **ART 356M - Museum and Gallery Practices Depth Experience**

Units: 1  
Gain a more in-depth understanding of how art museums, art exhibitions, the art market and greater art world operate. Intended for art majors.  
Division: Upper Division  
Requisites: Co-requisite: ART 356  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 1 hr.

#### **ART 357B - Curriculum and Development Through Art Education I**

Units: 3

Examines the relationship between art and the development of children and adolescents. Discuss current theory and practice in art education. Beneficial to complete SED 210/SED 410 before this class. Preferably, take fall semester of your junior year.

Division: Upper Division

Requisites: Pre-requisite: Art education majors only.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Activity 6 hrs.

### **ART 357C - Curriculum and Development Through Art Education II**

Units: 3

Further development in curriculum planning. Students develop a docent program for participating schools and create an educational CD-ROM. Beneficial to complete SED 210 before this class. Preferably, take spring semester of your junior year.

Division: Upper Division

Requisites: Pre-requisite: ART 357B. Art education majors only.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Activity 6 hrs.

### **ART 359 - Ceramics: Portfolio Development**

Units: 3

Further develop technical skills, aesthetic awareness, and historical perspectives. Emphasis on personal visual expression and the creation of a cohesive body of work.

Division: Upper Division

Requisites: Pre-requisite: (ART 350 and ART 351) or 2 semesters of ART 350 or 2 semesters of ART 351.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Activity 6 hrs.

### **ART 367 - Photography II**

Units: 3

Further exploration of digital imaging, including topics such as color theory, creative lighting control, and archival pigment printing. Creative problem solving and investigation of contemporary photo topics.

Division: Upper Division

Requisites: Pre-requisite: ART 251 or IA.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Activity 6 hrs.

### **ART 372 - Digital Media: Studio Topics**

Units: 3

Special assignments/topics addressing current trends and issues in digital media.

Division: Upper Division

Requisites: Pre-requisite: ART 108.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Activity 6 hrs.

### **ART 372B - Radical Graphics: Activism and Climate**

Units: 3

Investigates the context of activism throughout the history of Contemporary Art. Involves learning about the context of sustainability in the world of visual media design as well as social justice as a driving

factor for issue based artwork. Involves the use of digital and hands on processes to research, communicate and visualize the stakes and solutions of activism and climate change as well as the technical skills needed to do so. Develop and reinforces dynamic skill sets to respond to these issues, and asks everyone involved to contribute and help shape what the class becomes.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Related

Weekly: Activity 6 hrs.

### **ART 373 - Illustration II**

Units: 3

Introduction of digital drawing and painting techniques. Focus on the development of a body of work that reflects the individual skills and interests of its maker.

Division: Upper Division

Requisites: Pre-requisite: ART 108 and (ART 273 or ART 112).

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Activity 6 hrs.

### **ART 395 - Topics in Studio Art**

Units: 1-6

Experimental course in selected problems.

Division: Upper Division

Requisites: Pre-requisite: one lower division art class or IA.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Activity hrs TBD

### **ART 396B - Art Workshop**

Units: 1

Various media.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Activity 2 hrs.

### **ART 410 - Art History Seminar**

Units: 4

Capstone class for art history. Advanced topics in art history. Focus on research skills and art historical writing.

Division: Upper Division

Requisites: Pre-requisite: Upper division art majors/ minors only.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 4 hrs.

### **ART 437 - Professional Practices in Art**

Units: 3

Capstone course for art majors. Development and refinement of professional practices related to visual arts.

Division: Upper Division

Requisites: Pre-requisite: Senior standing. Art majors only.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 3 hrs.

### **ART 480 - Selected Topics in Art**

Units: 3

Selected topics in art to be determined by program need and student



interest. Topics vary.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Activity 6 hrs.

### **ART 482 - Museum and Gallery Practices Internship**

Units: 3

Culminating course for Art Museum and Gallery Practices Certificate.

Intern at an arts institution chosen in consultation with the instructor.

Division: Upper Division

Requisites: Pre-requisite: ART 104I and ART 356.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Academic internship course: Yes

Weekly: Activity 6 hrs.

### **ART 491A - Teaching Assistant - Studio**

Units: 3

This course provides an introduction to university-level teaching. Under the guidance of a master teacher, students learn curriculum development and will assist the instructor in the studio classroom. Recommended preparation: advanced-level standing in their media area.

Division: Upper Division

Requisites: Pre-requisite: Upper division art majors only.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Mandatory CR/NC

Weekly: Tutorial hrs TBD

### **ART 491B - Teaching Assistant - Art History**

Units: 3

This course provides an introduction to university-level teaching. Advanced art history students, under the guidance of a master teacher, learn curriculum development as it pertains to the art history classroom. Recommended preparation: advanced-level standing in art history.

Division: Upper Division

Requisites: Pre-requisite: Upper division art majors only.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Mandatory CR/NC

Weekly: Tutorial hrs TBD

### **ART 491C - Teaching Assistant - Art Education**

Units: 3

This course provides an introduction to university-level teaching. Under the guidance of a master teacher, students will learn curriculum development, as it pertains to the studio classroom. Recommended preparation: advanced-level standing in their media area.

Division: Upper Division

Requisites: Pre-requisite: ART 357B and ART 357C. Upper division art majors only.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Mandatory CR/NC

Weekly: Tutorial hrs TBD

### **ART 494 - B.F.A. Practicum in Studio Art**

Units: 4

Cross-disciplinary seminar/lab. Production of a cohesive body of work that demonstrates perceptual acuity and conceptual understanding at a professional level. Required participation in critiques, discussions and readings.

Division: Upper Division

Requisites: Pre-requisite: ART 437 and senior standing in the BFA program.

Permission to enroll: No Special Consent Required

Grading mode: Mandatory Letter Grade

Weekly: Seminar 4 hrs.

### **ART 496 - Seminar in Art**

Units: 3

Selected problems.

Division: Upper Division

Requisites: Pre-requisite: at least 24 lower and upper division art units, or IA.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 3 hrs.

### **ART 497S - Service Learning and Art Education I**

Units: 3

Integrates art education theory and practice with service learning concepts in concert with a practicum in the field - forty-five hours of participation assistant teaching in Community Partner visual arts programs.

Division: Upper Division

Requisites: Pre-requisite: ART 357B and ART 357C. Upper division art education majors only.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Service learning course: Yes

Weekly: Activity 4 hrs. Tutorial hrs TBD

### **ART 498S - Service Learning and Art Education II**

Units: 3

Integrates art education theory and practice with service learning concepts in concert with a practicum in the field - forty-five hours of teaching and related activities in Community Partner visual arts programs.

Division: Upper Division

Requisites: Pre-requisite: ART 497S. Upper division art education majors only.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Service learning course: Yes

Weekly: Activity 4 hrs. Tutorial hrs TBD

### **ART 499 - Directed Study**

Units: 1-6

Program and hours arranged with staff.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Tutorial hrs TBD

## **Arts, Humanities & Social Sciences**

### **AHSS 100 - Argonauts of Human Life**

Units: 3

An anthropological perspective on human life, Cal Poly Humboldt major and career choices, and ways of navigating a multicultural, global, and digital society. College success skills will be developed in this course.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE E: Lifelong Learning

Weekly: Lecture 3 hrs.

### **AHSS 101 - The Stories We Tell**

Units: 3

Explore how the arts impact and influence understanding. Hands-on experience in music, film, and studio art to explore physical, socio-cultural, and emotional development in relationship to the broader community.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE E: Lifelong Learning

Weekly: Lecture 3 hrs.

### **AHSS 102 - Humboldt Peoples and Places**

Units: 3

Surveys the history of the people and places of Humboldt County. Analysis of political, economic, social, intellectual events, and the interactions among the diverse populations that reside here.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE E: Lifelong Learning

Sustainability: Sustainability Related

Weekly: Lecture 3 hrs.

### **AHSS 103 - Your Voice Your Story**

Units: 3

Designed for CAHSS students to help you find yourself and your major, learn about others and local environment, and master strategies for success in college, your career, and life.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE E: Lifelong Learning

Weekly: Lecture 3 hrs.

### **AHSS 104S - Global Meets Local in Humboldt**

Units: 3

Are we "global"? Study the politics, culture, and economics of Humboldt County and the difference individuals make in our communities and the world. Service learning component. College success skills developed.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE E: Lifelong Learning

Sustainability: Sustainability Related

Service learning course: Yes

Weekly: Lecture 3 hrs.

### **AHSS 106 - Humboldt in Popular Media**

Units: 3

Preparation to be knowledgeable participants in a contemporary, complex media environment; describe, analyze, and critique media forms and content; craft media reflections through written, audio, and visual storytelling.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE E: Lifelong Learning

Zero cost course materials: Zero Cost Course Materials

Weekly: Lecture 3 hrs.

### **AHSS 108 - Nature, Culture and Food**

Units: 3

Interdisciplinary examination of cultural perspectives on nature linked to social and environmental issues, emphasizing food systems and social change. College success skills will be developed in this course.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE E: Lifelong Learning

All University Requirements: DCG: Domestic

Sustainability: Sustainability Related

Weekly: Lecture 3 hrs.

### **AHSS 109 - Bilingual Experience in California**

Units: 3

Best practices from a bilingual perspective to be successful on campus and in life. Improve your Spanish, get involved, and explore university agencies and resources. Taught in English and Spanish. Recommended preparation: Intermediate Spanish language abilities or Heritage Speaker of Spanish.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE E: Lifelong Learning

Weekly: Lecture 3 hrs.

### **AHSS 150 - Marching Lumberjacks**

Units: 1

Marching/ activity band for football games, university presence, parades, events.

Division: Lower Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Mandatory CR/NC

Weekly: Activity 2 hrs.

### **AHSS 180 - Selected Topics in Arts and Humanities**

Units: 1-3

Interdisciplinary topics.

Division: Lower Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture hrs TBD

### **AHSS 201 - Evolution, Creation and the Robot Apocalypse**

Units: 3

Are science and religion enemies, partners, or strangers? Galileo, Newton, Darwin, Einstein, and faith-leaders encourage critical thinking, lifelong-learning, and integrated self-development. College success skills will be developed in this course.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE E: Lifelong Learning

Weekly: Lecture 3 hrs.

### **AHSS 480 - Seminar in Selected Topics**

Units: 1-3

Intensive study within an area of the social sciences.

Division: Upper Division

Requisites: Pre-requisite: varies by topic.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture hrs TBD

### **AHSS 481 - Selected Topics in Arts and Humanities**

Units: 1-3

Interdisciplinary topics.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar hrs TBD

## **Biology**

**BIOL 102 - Human Biology**

Units: 3

The human animal as a biological entity: structure, function, health and disease, evolution and behavior. Not intended for majors in science, natural resources, or kinesiology.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE B2: Life Science

Weekly: Lecture 3 hrs.

**BIOL 102L - Human Biology Lab**

Units: 1

Laboratory focusing on human anatomy, physiology, and genetics. Not intended for majors in science, natural resources, or kinesiology.

Division: Lower Division

Requisites: Co-requisite: BIOL 102.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE B3: Laboratory Activity

Weekly: Laboratory 3 hrs.

**BIOL 104 - General Biology**

Units: 3

Principles of modern biology. Emphasis on aspects of biology rapidly reshaping our culture. Not intended for majors in science or natural resources.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE B2: Life Science, GE B3: Laboratory Activity

Weekly: Lecture 2 hrs. Laboratory 3 hrs.

**BIOL 105 - Principles of Biology**

Units: 4

Fundamental processes of life. Structure and function of cells, genetics, evolution, and ecology.

Division: Lower Division

Requisites: Pre-requisite: CHEM 107 or CHEM 109 with a grade of C- or higher.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE B2: Life Science, GE B3: Laboratory Activity

Weekly: Lecture 3 hrs. Laboratory 3 hrs.

**BIOL 180 - Selected Topics in Biology**

Units: 1-3

Topics of current interest supplemental to established lower division curricular offerings.

Division: Lower Division

Repeats: Repeatable for Credit

Permission to enroll: Instructor Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture hrs TBD

**BIOL 180A - Selected Topics in Biology**

Units: 1-3

Topics of current interest supplemental to established lower division curricular offerings.

Division: Lower Division

Permission to enroll: Instructor Consent Required

Grading mode: Optional Grade Basis

Weekly: Activity hrs TBD

**BIOL 180L - Selected Topics in Biology**

Units: 1-3

Topics of current interest supplemental to established lower division curricular offerings.

Division: Lower Division

Permission to enroll: Instructor Consent Required

Grading mode: Optional Grade Basis

Weekly: Laboratory hrs TBD

**BIOL 198 - Supplemental Instruction**

Units: 1

Collaborative work for students enrolled in introductory biology.

Division: Lower Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Mandatory CR/NC

Weekly: Activity 2 hrs.

**BIOL 210 - Medical Microbiology**

Units: 4

Classification, physiology, and pathogenesis of human disease caused by bacteria, protozoa, fungi, and virus. Theories of diagnosis, treatment, immunity, and prophylaxis. Lab training in cultivation, identification, diagnosis.

Division: Lower Division

Requisites: Pre-requisite: BIOL 104 or BIOL 105 with a grade of C- or higher.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 3 hrs. Laboratory 3 hrs.

**BIOL 255 - Marine Biology**

Units: 3

The study of life in marine environments (kelp beds, rocky shores, salt marshes, coral reefs, deep sea). Emphasis on marine organisms and the processes that structure marine communities and ecosystems, their productivity and conservation.

Division: Lower Division

Requisites: Pre-requisite: (OCN 109 (if taken prior to fall 2015) or OCN 109 and OCN 109L ; BIOL 105 or BOT 105 or ZOO 110.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 2 hrs. Laboratory 3 hrs.

**BIOL 280 - Selected Topics in Biology**

Units: 1-3

Topics of current interest supplemental to established lower division curricular offerings.

Division: Lower Division

Repeats: Repeatable for Credit

Permission to enroll: Instructor Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture hrs TBD

**BIOL 280L - Selected Topics in Biology**

Units: 1-3

Topics of current interest supplemental to established lower division curricular offerings.

Division: Lower Division

Repeats: Repeatable for Credit

Permission to enroll: Instructor Consent Required

Grading mode: Optional Grade Basis

Weekly: Laboratory hrs TBD

**BIOL 301 - History of Biology**

Units: 3

How key ideas in biology developed from antiquity to present. Sociocultural influences on biology; effects of biological discoveries on society. Intended for non-majors. Cannot be used to satisfy major or minor requirements in the Department of Biological Sciences.

Division: Upper Division

Requisites: Pre-requisite: completed lower division GE science.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis  
General Education: GE UD Area B: Math & Science  
Weekly: Lecture 3 hrs.

### **BIOL 304 - Human Genetics**

Units: 3  
Heredity in humans. Sexuality/reproduction; nature and activities of genes and chromosomes; behavioral genetics; genetic disorders; modern biomedical genetics. Intended for non-majors. Cannot be used to satisfy major or minor requirements in the Department of Biological Sciences.  
Division: Upper Division  
Requisites: Pre-requisite: completed lower division science GE.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE UD Area B: Math & Science  
All University Requirements: DCG: Non-Domestic  
Weekly: Lecture 3 hrs.

### **BIOL 305 - Social Behavior and Biology**

Units: 3  
Social behavior and biology of animals, including humans. Social grouping; communication; sexual and parental behavior; reciprocity; altruism; aggression and dominance. Intended for non-majors. Cannot be used to satisfy major or minor requirements in the Department of Biological Sciences.  
Division: Upper Division  
Requisites: Pre-requisite: completed lower division science GE.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE UD Area B: Math & Science  
Weekly: Lecture 3 hrs.

### **BIOL 306 - California Natural History**

Units: 3  
Human interaction with the natural world as seen by biologists. Identify plants or animals and habitats of northern California. Intended for non-majors. Cannot be used to satisfy major or minor requirements in the Department of Biological Sciences.  
Division: Upper Division  
Requisites: Pre-requisite: completed lower division science GE.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE UD Area B: Math & Science  
Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **BIOL 307 - Evolution**

Units: 4  
Properties and differentiation of populations. Population genetics; mechanisms of species formation; and macroevolution.  
Division: Upper Division  
Requisites: Pre-requisite: BIOL 340.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE UD Area B: Math & Science  
Weekly: Lecture 3 hrs. Seminar 1 hr.

### **BIOL 308 - Environment and Culture: How People Transformed a Continent**

Units: 3  
How different cultures have altered ecological systems in the U.S. From the influence of Native Americans on ecosystems to how expansion of European colonists and contemporary culture effects our environment. Intended for non-majors. Cannot be used to satisfy major or minor requirements in the Department of Biological Sciences.  
Division: Upper Division  
Requisites: Pre-requisite: completed lower division science GE.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE UD Area B: Math & Science

Sustainability: Sustainability Related  
Weekly: Lecture 3 hrs.

### **BIOL 330 - Principles of Ecology**

Units: 4  
Major ideas shaping modern ecology: population regulation, competition, predation, ecosystem energetics, mathematical models, and nutrient cycling. Role of biological and physical factors in developing community structure.  
Division: Upper Division  
Requisites: Pre-requisite: BIOL 105; STAT 108 or STAT 108I or STAT 109; BOT 105 or ZOO 110; all with grades of C- or higher.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs. Laboratory 3 hrs.

### **BIOL 335 - Field or Laboratory Problems**

Units: 1-2  
Individual work in field or lab research.  
Division: Upper Division  
Repeats: Repeatable for Credit  
Permission to enroll: Instructor Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Supervision hrs TBD

### **BIOL 340 - Genetics**

Units: 4  
Principles of heredity; nature and function of genetic material, with quantitative analyses; genetic constitution of populations.  
Division: Upper Division  
Requisites: Pre-requisite: BIOL 105 and (STAT 108 or STAT 108I or STAT 109 or CHEM 341); all with grades of C- or higher.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs. Activity 2 hrs.

### **BIOL 350 - Cell Biology**

Units: 3  
Study of the structure and function of cells with emphases in biochemistry, molecular biology, and physiology, and methods used to address relevant questions in the field.  
Division: Upper Division  
Requisites: Pre-requisite: BIOL 340 and (PHYX 106 or PHYX 109.)  
Permission to enroll: No Special Consent Required  
Grading mode: Mandatory Letter Grade  
Weekly: Lecture 3 hrs.

### **BIOL 369 - Professional Writing in the Life Sciences**

Units: 4  
Writing scientific papers for publication. Theses, journal articles, reviews, grant applications, technical reports.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 2 hrs. Activity 4 hrs.

### **BIOL 380 - Selected Topics in Biology**

Units: 1-3  
Topics of current interest supplemental to established upper division curricular offerings.  
Division: Upper Division  
Repeats: Repeatable for Credit  
Permission to enroll: Instructor Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture hrs TBD

### **BIOL 380L - Selected Topics in Biology**

Units: 1-3  
Topics of current interest supplemental to established upper division curricular offerings.

Division: Upper Division  
Repeats: Repeatable for Credit  
Permission to enroll: Instructor Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Laboratory 3 hrs.

### **BIOL 399 - Supplemental Work in Biology**

Units: 1-3  
Directed study for transfer student whose prior coursework is not equivalent to corresponding Cal Poly Humboldt courses. Department and instructor approval required.

Division: Upper Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Supervision hrs TBD

### **BIOL 412 - General Microbiology**

Units: 4  
Natural history and importance of bacteria, archaea, and viruses. Structure, growth, metabolism, genetics, taxonomy, diversity pathogenesis and applied aspects of microorganisms.  
Division: Upper Division  
Requisites: Pre-requisite: BIOL 340 with a grade of C- or higher.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 2 hrs. Laboratory 6 hrs.

### **BIOL 418 - Marine Microbiology**

Units: 3  
Biology, behavior and function of microorganisms in diverse marine habitats, roles in ecological processes. Laboratory: isolation, molecular and ecological approaches to microbial processes.  
Division: Upper Division  
Requisites: Pre-requisite: BIOL 340 with a grade of C- or higher.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **BIOL 430 - Intertidal Ecology**

Units: 3  
Ecological principles as applied in coastal marine habitats: rocky shores, sandy beaches, bay flats, and nearshore waters. Numerous field trips; one weekend trip. Individual and group studies a major part of lab work.  
Division: Upper Division  
Requisites: Pre-requisite: BIOL 330 and ZOOL 314, or their equivalents; all with a grade of C- or higher.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 2 hrs. Laboratory 3 hrs.

### **BIOL 433 - Microbial Ecology**

Units: 3  
This course explores the biology, behavior, and function of microorganisms in natural environments with attention to their role in ecologically and environmentally significant processes. One weekend field-trip.  
Division: Upper Division  
Requisites: Pre-requisite: BIOL 412 or (BIOL 340 and BIOL 330). Co-requisite BIOL 433D.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Course fees: See class schedule for fee information  
Weekly: Seminar 2 hrs. Laboratory 3 hrs.

### **BIOL 433D - Microbial Ecology Discussion**

Units: 1  
This discussion explores the biology, behavior, and function of microorganisms in natural environments (to be taken in conjunction with BIOL 433 lecture and lab).  
Division: Upper Division  
Requisites: Pre-requisite: BIOL 412 or (BIOL 340 and BIOL 330).  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Activity 2 hrs.

### **BIOL 434 - Population and Community Ecology**

Units: 4  
The study of the structure and distribution of populations and communities. Topics include population viability modeling, metapopulation dynamics, mark-recapture techniques, species interactions, trophic dynamics, assembly rules, biodiversity, and conservation issues.  
Division: Upper Division  
Requisites: Pre-requisite: BIOL 330 or WLDF 301.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Related  
Weekly: Lecture 3 hrs. Laboratory 3 hrs.

### **BIOL 440 - Molecular Genetics Lab**

Units: 2  
Experiments in modern and classical genetics, using a variety of organisms.  
Division: Upper Division  
Requisites: Pre-requisite: BIOL 340 or equivalent with a grade of C- or higher  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Laboratory 6 hrs.

### **BIOL 448 - Biogeography**

Units: 3  
Past/present geographic distribution of animal and plant groups. Emphasis on vertebrate animals and vascular plants.  
Division: Upper Division  
Requisites: Pre-requisite: BIOL 330.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 3 hrs.

### **BIOL 450 - Cell Biology Laboratory**

Units: 2  
Experiments in modern and classical cellular and molecular biology, cellular physiology, and biochemistry of cells using cell culture models.  
Division: Upper Division  
Requisites: Pre-requisite: BIOL 350 with a grade of C- or higher.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Laboratory 6 hrs.

### **BIOL 480 - Selected Topics in Biology**

Units: 1-3  
Topics in current advances as demand warrants.  
Division: Upper Division  
Repeats: Repeatable for Credit  
Permission to enroll: Instructor Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar hrs TBD

### **BIOL 480L - Selected Topics in Biology**

Units: 1-3  
Topics in current advances as demand warrants.  
Division: Upper Division

Repeats: Repeatable for Credit  
Permission to enroll: Instructor Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Laboratory hrs TBD

### **BIOL 482 - Supervised Internship**

Units: 1-12  
Students implement the theory and practice of their major my working for a public agency or private firm/organization.  
Division: Upper Division  
Repeats: Repeatable for Credit  
Permission to enroll: Instructor Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Academic internship course: Yes  
Weekly: Tutorial hrs TBD

### **BIOL 484 - Current Topics in Biology**

Units: 1  
The latest biological research examined through weekly seminar presentations by biologists. A maximum of one unit of this course may be counted toward a major in the biological sciences.  
Division: Upper Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Mandatory CR/NC  
Weekly: Lecture 1 hr.

### **BIOL 490 - Senior Thesis**

Units: 1-2  
Thesis based on student-designed project approved by advisor. Approval must occur before enrollment.  
Division: Upper Division  
Requisites: Pre-requisite: senior standing and Instructor Approval.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Supervision hrs TBD

### **BIOL 498 - Marine Biology Capstone Research**

Units: 2  
Independent research conducted under faculty supervision.  
Division: Upper Division  
Requisites: Pre-requisite: BIOL 255, BIOL 330, ZOOL 314, senior standing in Marine Biology program.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 2 hrs.

### **BIOL 499 - Directed Study**

Units: 1-2  
Individual work for senior students showing special aptitude. Conference, reading, research.  
Division: Upper Division  
Repeats: Repeatable for Credit  
Permission to enroll: Instructor Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Supervision hrs TBD

### **BIOL 533 - Microbial Ecology**

Units: 3  
This course explores the biology, behavior, and function of microorganisms in natural environments with attention to their role in ecologically and environmentally significant processes. One weekend field-trip.  
Division: Graduate  
Requisites: Pre-requisite: BIOL 412 or (BIOL 340 and BIOL 330). Co-

requisite BIOL 533D.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Course fees: See class schedule for fee information  
Weekly: Seminar 2 hrs. Laboratory 3 hrs.

### **BIOL 533D - Microbial Ecology Discussion**

Units: 1  
This discussion explores the biology, behavior, and function of microorganisms in natural environments (to be taken in conjunction with BIOL 533 lecture and lab).  
Division: Graduate  
Requisites: Pre-requisite: BIOL 412 or (BIOL 340 and BIOL 330).  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Activity 2 hrs.

### **BIOL 534 - Population and Community Ecology**

Units: 4  
The study of the structure and distribution of populations and communities. Topics include population viability modeling, metapopulation dynamics, mark-recapture techniques, species interactions, trophic dynamics, assembly rules, biodiversity, and conservation issues.  
Division: Graduate  
Requisites: Pre-requisite: BIOL 330 or WLDF 301.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Related  
Weekly: Lecture 3 hrs. Laboratory 3 hrs.

### **BIOL 544 - Stem Cell Biology**

Units: 2  
Stem cell biology, maintenance, differentiation, and applications to science and medicine. Includes extensive review and analysis of primary scientific literature. Discussion topics will include regenerative medicine, science policy, and ethics. Recommended preparation: BIOL 440, ZOOL 476 and (CHEM 434 or CHEM 438.)  
Division: Graduate  
Requisites: Pre-requisite: BIOL 350 with a grade of C- or higher and senior standing or higher.  
Permission to enroll: No Special Consent Required  
Grading mode: Mandatory Letter Grade  
Weekly: Lecture 2 hrs.

### **BIOL 544L - Stem Cell Biology Lab**

Units: 2  
Training in laboratory methods of embryonic stem cell culture maintenance, characterization, and differentiation.  
Division: Graduate  
Requisites: Pre-requisite: BIOL 450. Co-requisite: BIOL 544.  
Permission to enroll: No Special Consent Required  
Grading mode: Mandatory Letter Grade  
Weekly: Laboratory 6 hrs.

### **BIOL 548 - Biogeography**

Units: 3  
Past/present geographic distribution of animal and plant groups. Emphasis on vertebrate animals and vascular plants.  
Division: Graduate  
Requisites: Pre-requisite: BIOL 330.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 3 hrs.

### **BIOL 550 - Phylogenetic Systematics**

Units: 3  
Methods for elucidating the tree of life. Explore computational resources to infer phylogenetic trees and comparative approaches to

answer questions in evolutionary biology.

Division: Graduate

Requisites: Pre-requisite: BIOL 340 or Instructor Approval.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 3 hrs.

### **BIOL 554 - Plant/Animal Interactions**

Units: 3

Current research in pollination biology and plant/ herbivore relations.

Critique journal articles.

Division: Graduate

Requisites: Pre-requisite: STAT 108 or STAT 108I or STAT 109 or equivalent.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 3 hrs.

### **BIOL 564 - Transmission and Scanning Electron Microscopy**

Units: 4

Transmission and scanning electron microscopy theory and technique.

Preparation of materials, operation of electron microscopes, conduct an EM-based independent research project utilizing both systems.

Division: Graduate

Requisites: Pre-requisite: BOT 105, BIOL 105, ZOOL 110.

Permission to enroll: Instructor Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 2 hrs. Laboratory 6 hrs.

### **BIOL 580 - Selected Topics in Biology**

Units: 1-3

Topics on current advances as demand warrants.

Division: Graduate

Requisites: Pre-requisite: grad standing and Instructor Approval.

Repeats: Repeatable for Credit

Permission to enroll: Instructor Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar hrs TBD

### **BIOL 580L - Selected Topics in Biology**

Units: 1-3

Topics on current advances as demand warrants.

Division: Graduate

Requisites: Pre-requisite: grad standing and Instructor Approval.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Laboratory hrs TBD

### **BIOL 597 - Methods in Laboratory Instruction**

Units: 2

Develop a "toolkit" of strategies and techniques to support student learning. Newly hired teaching associates in the Department of Biological Sciences are strongly encouraged to take this course. Course meets pre-semester for two-day immersion and weekly discussion.

Division: Graduate

Requisites: Pre-requisite: Graduate Standing.

Permission to enroll: No Special Consent Required

Grading mode: Mandatory CR/NC

Weekly: Seminar 2 hrs.

### **BIOL 683 - Introduction to Graduate Studies**

Units: 1

Orientation to research opportunities. Plan and develop master's project.

Beginning grad students should enroll at earliest opportunity.

Division: Graduate

Requisites: Pre-requisite: acceptance into master's program in biology.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 1 hr.

### **BIOL 684 - Introduction to Graduate Research**

Units: 1

Orientation to research opportunities, funding, and planning. Develop and present a research proposal with peer review.

Division: Graduate

Requisites: Pre-requisite: BIOL 683 or classified grad standing in biology.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 1 hr.

### **BIOL 685 - Seminar in Biology**

Units: 1

Review and report on current literature and problems.

Division: Graduate

Requisites: Pre-requisite: grad standing.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 1 hr.

### **BIOL 690 - Thesis**

Units: 1-4

Individual work on thesis required for master's degree.

Division: Graduate

Requisites: Pre-requisite: consent of major advisor.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Supervision hrs TBD

### **BIOL 699 - Independent Study**

Units: 1-4

Individual work on appropriate topic.

Division: Graduate

Requisites: Pre-requisite: consent of advisor.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Supervision hrs TBD

### **BIOL 700 - In-Service Professional Training in Biology**

Units: 1-3

Directed studies for biology professionals desiring advanced or specialized instruction, especially that leading to credentialing and certification.

Division: Credential/Licensure

Repeats: Repeatable for Credit

Permission to enroll: Instructor Consent Required

Grading mode: Optional Grade Basis

Weekly: Supervision hrs TBD

## **Botany**

### **BOT 105 - General Botany**

Units: 4

Structure, function, reproduction, life cycles, and phylogenetic relationships of major plant groups. Relationships of plants to other organisms and to human activities.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE B2: Life Science, GE B3: Laboratory Activity

Weekly: Lecture 3 hrs. Laboratory 3 hrs.

**BOT 198 - Supplemental Instruction**

Units: 1

Collaborative work for students enrolled in introductory botany.

Division: Lower Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Mandatory CR/NC

Weekly: Activity 2 hrs.

**BOT 300 - Plants and Civilization**

Units: 3

Plants that have played important roles in our economic, social, and cultural development. Ethnobotanical aspects of edible, medicinal, and psychoactive plants. Intended for non-majors. Cannot be used to satisfy major or minor requirements in the Department of Biological Sciences.

Division: Upper Division

Requisites: Pre-requisite: completed lower division life science GE.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE UD Area B: Math & Science

Weekly: Lecture 3 hrs.

**BOT 310 - General Plant Physiology**

Units: 4

Plant growth, development, reproduction, metabolism, photosynthesis, soil/water relations, inorganic nutrition, and translocation. Quantitative analysis of physiological functions.

Division: Upper Division

Requisites: Pre-requisite: BIOL 105, BOT 105, and PHYX 106, or their equivalents. All with a grade of C- or higher.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 2 hrs. Laboratory 6 hrs.

**BOT 322 - Developmental Plant Anatomy**

Units: 4

Co-listed with: BOT 522

Plant structure and development, emphasis on seed plants; cells, tissues, and organs. Cell fate determination tissue patterning. Descriptive anatomy and molecular mechanisms. Applications of plant anatomy.

Primary literature surveys, scientific communication.

Division: Upper Division

Requisites: Pre-requisite: BOT 105 and BIOL 105.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 2 hrs. Laboratory 6 hrs.

**BOT 330 - Plant Ecology**

Units: 2

Principles governing structure and dynamics of plant populations and communities. Topics include community sampling, interspecific interactions, population viability analysis, and conservation issues.

Division: Upper Division

Requisites: Pre-requisite: BIOL 330 or ESM 303 or FOR 131 or WLDF 301 with a grade of C- or higher.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 2 hrs.

**BOT 330L - Plant Ecology Lab**

Units: 1

Apply concepts and methods from BOT 330.

Division: Upper Division

Requisites: Pre-requisite: BOT 330 (C).

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Laboratory 3 hrs.

**BOT 350 - Plant Taxonomy**

Units: 4

Identify ferns, gymnosperms, and flowering plants. Recognize families and key plants in the local flora.

Division: Upper Division

Requisites: Pre-requisite: BOT 105 with a grade of C- or higher.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 2 hrs. Laboratory 6 hrs.

**BOT 354 - Agrostology**

Units: 4

Taxonomy, identification, and relationships of grasses of North America.

Division: Upper Division

Requisites: Pre-requisite: BIOL 105 and BOT 105, or their equivalents.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 2 hrs. Laboratory 6 hrs.

**BOT 355 - Lichens and Bryophytes**

Units: 4

Biology, ecology, natural history, and taxonomy of lichens, liverworts, hornworts, and mosses. Emphasis: epiphytic habitats. Weekend field trips.

Division: Upper Division

Requisites: Pre-requisite: BOT 105 with a grade of C- or higher.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 2 hrs. Laboratory 6 hrs.

**BOT 356 - Phycology**

Units: 4

Co-listed with: BOT 556

Biology and evolution of photosynthetic eukaryotes. Marine algal ecology. Field trips, identification skills, micro- and macroalgal sampling, data analysis, scientific writing.

Division: Upper Division

Requisites: Pre-requisite: BIOL 105, BOT 105, STAT 108 or STAT 108I or STAT 109.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 2 hrs. Laboratory 6 hrs.

**BOT 358 - Biology of the Microfungi**

Units: 2

Morphology, genetics, classification, ecology, and economic importance of yeasts and molds. Emphasis on isolation, culture, and lab techniques.

Division: Upper Division

Requisites: Pre-requisite: BOT 105 with a grade of C- or higher or IA.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 1 hr. Laboratory 3 hrs.

**BOT 359 - Biology of the Ascomycetes and Basidiomycetes**

Units: 2

Morphology, anatomy, classification, genetics, ecology, physiology, and economic importance of ascomycetes and basidiomycetes.

Division: Upper Division

Requisites: Pre-requisite: BOT 105 with a grade of C- or higher or IA.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 1 hr. Laboratory 3 hrs.

**BOT 360 - Biology of the Fleshy Fungi**

Units: 2

Systematics, ecology, toxicity, biological interactions, and culturing of mushrooms, polypores, chanterelles, boleti, and puffballs. Emphasis: Northern California fungi.



Division: Upper Division  
Requisites: Pre-requisite: BOT 105 with a grade of C- or higher or IA.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 2 hrs.

### **BOT 360L - Biology of the Fleshy Fungi Lab**

Units: 2  
Division: Upper Division  
Requisites: Pre-requisite: BOT 360 (C) or IA.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Laboratory 6 hrs.

### **BOT 372 - Evolutionary Morphology of Plants**

Units: 4  
Co-listed with: BOT 572  
Organismal biology, phylogeny, and evolution of vascular plants. Morphology, anatomy, development of extant and fossil plants. Cladistic theory and data analysis, survey of primary literature, scientific communication.  
Division: Upper Division  
Requisites: Pre-requisite: BOT 105 and BIOL 105.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 2 hrs. Laboratory 6 hrs.

### **BOT 394 - Forest Pathology**

Units: 3  
Biology of diseases affecting trees in the forest and forest nursery. Emphases: fungi, mistletoes.  
Division: Upper Division  
Requisites: Pre-requisite: BOT 105 with a grade of C- or higher or IA  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 1 hr. Laboratory 6 hrs.

### **BOT 399 - Supplemental Work in Botany**

Units: 1-3  
For transfer student whose prior coursework is not equivalent to corresponding courses at Cal Poly Humboldt. Directed study.  
Division: Upper Division  
Repeats: Repeatable for Credit  
Permission to enroll: Department Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Supervision hrs TBD

### **BOT 521 - Paleobotany**

Units: 3  
Principles of reconstructing past terrestrial landscapes, environments, and plant communities. Techniques for finding, analyzing, and interpreting fossil evidence.  
Division: Graduate  
Requisites: Pre-requisite: BOT 105, GEOL 109; plus at least one of the following: FOR 130, FOR 131, BOT 350, GEOL 332, GEOL 350, GEOL 423, or IA.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 2 hrs. Laboratory 3 hrs.

### **BOT 522 - Developmental Plant Anatomy**

Units: 4  
Co-listed with: BOT 322  
Plant structure and development, emphasis on seed plants; cells, tissues, and organs. Cell fate determination tissue patterning. Descriptive anatomy and molecular mechanisms. Applications of plant anatomy. Primary literature surveys, scientific communication.  
Division: Graduate

Requisites: Pre-requisite: BOT 105 and BIOL 340 (C).  
Permission to enroll: No Special Consent Required  
Grading mode: Mandatory Letter Grade  
Weekly: Lecture 2 hrs. Laboratory 6 hrs.

### **BOT 553 - Marine Macrophyte Ecology**

Units: 3  
Ecology of marine algae and seagrasses. Lectures: from evolutionary ecology to diversity and ecosystem health. Labs: methods, student projects.  
Division: Graduate  
Requisites: Pre-requisite: BIOL 330 and BOT 356.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **BOT 556 - Phycology**

Units: 4  
Co-listed with: BOT 356  
Biology and evolution of photosynthetic eukaryotes. Marine algal ecology. Field trips, identification skills, micro- and macroalgal sampling, data analysis, scientific writing.  
Division: Graduate  
Requisites: Pre-requisites: BOT 105, BOT 330.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 2 hrs. Laboratory 6 hrs.

### **BOT 572 - Evolutionary Morphology of Plants**

Units: 4  
Co-listed with: BOT 372  
Organismal biology, phylogeny, and evolution of vascular plants. Morphology, anatomy, development of extant and fossil plants. Cladistic theory and data analysis, survey of primary literature, scientific communication.  
Division: Graduate  
Requisites: Pre-requisite: BOT 105 and BIOL 307 (C).  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 2 hrs. Laboratory 6 hrs.

### **BOT 580 - Selected Topics in Botany**

Units: 1-3  
Topics on current advances as demand warrants.  
Division: Graduate  
Requisites: Pre-requisite: grad standing and IA.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar hrs TBD

### **BOT 580L - Selected Topics in Botany**

Units: 1-3  
Topics on current advances as demand warrants.  
Division: Graduate  
Requisites: Pre-requisite: grad standing and IA.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Laboratory hrs TBD

## **Business Administration**

### **BA 105 - Critical Thinking in Organizations**

Units: 3  
Critical thinking and decision-making in organizations. Approach, solve, and communicate solutions to organizational issues systematically. Participate in stimulating debates, classroom simulations, and real-world research that bring topics to life.

Division: Lower Division  
Permission to enroll: No Special Consent Required  
Grading mode: Mandatory Letter Grade  
General Education: GE A3: Critical Thinking  
Weekly: Lecture 2 hrs. Second Lecture 1 hr.

### **BA 106 - Advocating for Sustainability**

Units: 3  
course will provide an understanding of sustainability issues, discovering what you are passionate about and modifying behaviors regarding consumption, work, living decisions, etc. to become well-informed strong advocates for change.  
Division: Lower Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE D: Social Sciences  
Sustainability: Sustainability Focused  
Weekly: Lecture 3 hrs.

### **BA 106D - Advocating for Sustainability - Additional Depth**

Units: 1  
Additional depth by analyzing sustainability initiatives/reporting in businesses.  
Division: Lower Division  
Requisites: Co-requisite: BA 106.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Focused  
Weekly: Lecture 1 hr.

### **BA 110 - Introduction to Business**

Units: 3  
Business as a social institution operating in an ever-changing environment. Broad descriptions of the various disciplines involved in business activity: accounting, finance, management, marketing, production, human resources, and business information.  
Division: Lower Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs.

### **BA 120 - Business Essentials**

Units: 1  
Orientation to the Business Program. Develops a core set of skills and exposure to business functional areas: accounting, finance, management, marketing, ethics, and strategy.  
Division: Lower Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 1 hr.

### **BA 202 - Personal and Family Financial Management**

Units: 3  
Important financial concepts/skills needed over a lifetime. Topics covered range from education funding, budgeting, banking, saving, smart spending, investing, income taxation, mortgages, credit analysis, leases, insurance, stocks, bonds, and financial planning.  
Division: Lower Division  
Permission to enroll: No Special Consent Required  
Grading mode: Mandatory Letter Grade  
General Education: GE E: Lifelong Learning  
Weekly: Lecture 3 hrs.

### **BA 210 - Legal Environment of Business**

Units: 4  
Judicial system, constitution, administrative agencies, torts, crimes, creation and performance of contracts, sales, consumer protection, commercial paper, and business ethics. Law case studies.  
Division: Lower Division

Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 4 hrs.

### **BA 250 - Financial Accounting**

Units: 4  
First course in accounting. Measurement and reporting principles used in US to prepare financial reports for investors/creditors. Computer applications demonstrate design of accounting information systems.  
Division: Lower Division  
Requisites: Pre-requisite: MATH 104 or MATH 104I or STAT 108 or STAT 108I.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 4 hrs.

### **BA 252 - Management Accounting**

Units: 4  
Introduction to accounting information system used for internal decision making within organizations, which include planning, operational control, and performance evaluation.  
Division: Lower Division  
Requisites: Pre-requisite: BA 250 (including spreadsheet skills).  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 4 hrs.

### **BA 304 - Business Psychology**

Units: 3  
Critically examines the psychological foundation of business by looking at how business agents think, feel and act in various situations and how managers make decisions.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE UD Area D: Social Sciences  
Weekly: Lecture 3 hrs.

### **BA 304D - Business Psychology - Additional Depth**

Units: 1  
The psychological foundation of business will be examined by taking a closer look at how consumers think feel and act in various situations and how managers make decisions in complex situations. How business psychology influences financial markets and corporate behavior.  
Division: Upper Division  
Requisites: Pre-requisite: Business major, sophomore standing or greater. Co-requisite: BA 304.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 1 hr.

### **BA 310 - Business Law**

Units: 4  
Agencies, administrative regulations, partnerships, corporations, security regulations, labor and employment, antitrust, property, insurance, international, professional liability. Law case studies.  
Division: Upper Division  
Requisites: Pre-requisite: BA 210 or IA.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 4 hrs.

### **BA 322 - Business Analytics**

Units: 4  
Explore basic data analytics concepts, techniques and tools used in the process of data-driven business decision-making and strategy, drawing real examples from different functional areas in business; business administration majors.  
Division: Upper Division

Requisites: Pre-requisite: MATH 104 or MATH 104I or STAT 108 or STAT 108I or equivalent.

Permission to enroll: No Special Consent Required

Grading mode: Mandatory Letter Grade

Weekly: Lecture 4 hrs.

### **BA 340 - Principles of Marketing**

Units: 4

Domestic and international institutions, concepts, and management processes in marketing. Marketing research. Simulations, cases, exercises. Computer applications.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 4 hrs.

### **BA 360 - Principles of Finance**

Units: 4

Basic skills for analyzing financial data. Time value of money; techniques and ratios commonly used in financial analysis.

Division: Upper Division

Requisites: Pre-requisite: MATH 104 or MATH 104I or STAT 108 or STAT 108I.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 4 hrs.

### **BA 370 - Principles of Management**

Units: 4

Theory, behavior, production and operations, and interpersonal communication in organizations: large or small, profit or nonprofit, domestic or international.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 4 hrs.

### **BA 410 - International Business**

Units: 4

Global geopolitical, economic, and social environments and their interrelationships with all phases of business. Cases and projects.

Division: Upper Division

Requisites: Pre-requisite: BA 370.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

All University Requirements: DCG: Non-Domestic

Sustainability: Sustainability Related

Weekly: Seminar 4 hrs.

### **BA 422 - Financial Data Analytics and Econometrics**

Units: 4

Introduction to basic data analytics concepts, techniques, and tools for financial and economic applications. It covers topics from computer programming and data analysis, econometrics, financial economics, mathematical optimization, and probability models.

Division: Upper Division

Requisites: Pre-requisites: MATH 104 or (MATH 104I and MATH 4) or STAT 108 (STAT 108I and STAT 8) or BA 322 ; and junior standing or above.

Permission to enroll: No Special Consent Required

Grading mode: Mandatory Letter Grade

Weekly: Lecture 4 hrs.

### **BA 430 - Introduction to New Ventures**

Units: 4

Planning, start up, sources of capital, location, form, budgeting, record keeping, marketing, management.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Related

Weekly: Lecture 4 hrs.

### **BA 431 - Global E-Commerce Entrepreneurship**

Units: 4

Learn to identify market opportunities for e-commerce businesses and analyze international locations. Develop a plan for an online business that can be operated from anywhere in the world.

Division: Upper Division

Requisites: Pre-requisite: BA 370.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 4 hrs.

### **BA 432 - Leading Sustainable Ventures**

Units: 4

This course bridges the practical and theoretical in pursuit of leading an economically, socially, and environmentally sustainable venture. The tools explored are relevant to entrepreneurs and managers of existing organizations.

Division: Upper Division

Requisites: Pre-requisites: BA 370

Permission to enroll: No Special Consent Required

Grading mode: Mandatory Letter Grade

Sustainability: Sustainability Focused

Weekly: Lecture 4 hrs.

### **BA 433 - Service Venture Management**

Units: 4

Service industry businesses comprise an increasingly large proportion of global and domestic economic activity. Gain the unique tool-set required to effectively lead a service venture. Recommended preparation: BA 105.

Division: Upper Division

Requisites: Pre-requisite: BA 370.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 4 hrs.

### **BA 437 - Entrepreneurial Analytics and Technology**

Units: 4

Explore the measurement and analytics of key metrics in business. Develop skills for data-driven decision making in small and entrepreneurial businesses. Focus on technology and computer applications.

Division: Upper Division

Requisites: Pre-requisite: BA 250 (C) and BA 332 .

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 4 hrs.

### **BA 438 - Applications in Entrepreneurship**

Units: 4

Study entrepreneurial strategy and implementation using contemporary forms of business planning.

Division: Upper Division

Requisites: Pre-requisite: senior standing.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Related

Weekly: Lecture 4 hrs.

### **BA 439 - New Venture Consulting**

Units: 4

Complete a consulting project and business plan with a new venture. Class meetings and field work each week.

Division: Upper Division

Requisites: Pre-requisite: senior standing;

Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Related  
Weekly: Lecture 4 hrs.

### **BA 441 - Retailing and Services Marketing**

Units: 4  
Following a case, discussion, and hands-on format, the course introduces students to retailing in a technology-rich environment and marketing from a service-dominant perspective.  
Division: Upper Division  
Requisites: Pre-requisite: BA 340 and sophomore standing or greater.  
Permission to enroll: No Special Consent Required  
Grading mode: Mandatory Letter Grade  
Weekly: Lecture 4 hrs.

### **BA 445 - Marketing Communications**

Units: 4  
Comprehensive examination of marketing communications activity and its environment; topics discussed include targeting, positioning, objectives setting, budgeting, sales promotion, personal selling, advertising, and public relations.  
Division: Upper Division  
Requisites: Pre-requisite: BA 340 or equivalent. Must be a business administration major or minor.  
Permission to enroll: No Special Consent Required  
Grading mode: Mandatory Letter Grade  
Weekly: Lecture 4 hrs.

### **BA 446 - Marketing Research**

Units: 4  
Study and application of primary and secondary marketing research through group work or local organizations. Activities include survey design and execution, data entry and analysis, report preparation and presentation.  
Division: Upper Division  
Requisites: Pre-requisite: (BA 340) AND either (MATH 104 or MATH 104I and BA 120) or (STAT 108 or STAT 108I).  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 4 hrs.

### **BA 447 - E-Commerce / E-Marketing Strategy**

Units: 4  
Through interactive discussions, group activities and individual assignments, students will explore e-commerce and e-marketing concepts to understand how Internet has altered buying and selling of goods and services today.  
Division: Upper Division  
Requisites: Pre-requisite: BA 340 and sophomore standing or greater.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 4 hrs.

### **BA 448 - Consumer Behavior**

Units: 4  
Study of how organizations design and modify marketing strategies by understanding changing consumer lifestyles and attitudes in a multicultural world, and the resulting consumer behaviors in the global marketplace.  
Division: Upper Division  
Requisites: Pre-requisite: BA 340 with a grade of C- or higher.  
Permission to enroll: No Special Consent Required  
Grading mode: Mandatory Letter Grade  
Weekly: Seminar 4 hrs.

### **BA 449 - Macromarketing**

Units: 4  
Examines the relationship between marketing and society. Topics

include technology, ethics, materialism, globalization, sustainability. The course is multicultural and multidisciplinary.  
Division: Upper Division  
Requisites: Pre-requisite: BA 340 and junior standing or instructor approval.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 4 hrs.

### **BA 450 - Intermediate Financial Accounting**

Units: 4  
This course helps students develop knowledge of accounting concepts, standards, and procedures by examining complex issues related to the measurement and reporting of income, current assets, and current liabilities.  
Division: Upper Division  
Requisites: Pre-requisite: BA 252 (C) or equivalent.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 4 hrs.

### **BA 451 - Advanced Financial Accounting**

Units: 4  
Financial accounting theory, regulations, and practice for valuing and reporting liabilities, equity, and cash-flows. Includes coverage of current, special topics relevant to financial accounting.  
Division: Upper Division  
Requisites: Pre-requisite: BA 450.  
Permission to enroll: No Special Consent Required  
Grading mode: Mandatory Letter Grade  
Weekly: Lecture 4 hrs.

### **BA 452 - Cost Accounting, Planning and Control**

Units: 4  
In-depth study of four basic cost accounting systems used to determine cost to make a product or provide a service, and manage the production process. Lecture with spreadsheet projects. Required for accounting option.  
Division: Upper Division  
Requisites: Pre-requisite: BA 252  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 4 hrs.

### **BA 453 - Tax Accounting**

Units: 4  
Introduction to the U.S. federal income tax system. Topics include: history, logic, regulations, and/or reporting schedules. Preparation of individual returns. Primarily for accounting concentration.  
Division: Upper Division  
Requisites: Pre-requisite: BA 450 (C).  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 4 hrs.

### **BA 454 - Financial Statement Auditing**

Units: 4  
Introduction to the U.S. auditing standards and procedures applicable to an organization's financial statements and financial accounting system. Primarily for accounting concentration.  
Division: Upper Division  
Requisites: Pre-requisite: BA 450.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 4 hrs.

### **BA 455 - Governmental and Nonprofit Accounting**

Units: 4  
This course covers accounting principles applicable to state and local

governments and other nonprofit organizations, fund accounting procedures, and analysis and interpretation of financial statements of governmental and nonprofit entities.

Division: Upper Division

Requisites: Pre-requisite: BA 450.

Permission to enroll: No Special Consent Required

Grading mode: Mandatory Letter Grade

Weekly: Lecture 4 hrs.

### **BA 456 - Accounting Ethics**

Units: 4

Application of ethical concepts within the financial services industry.

Exploration of ethical reasoning models, as well as code of professional conduct standards applicable to practicing accountants.

Division: Upper Division

Requisites: Pre-requisite: BA 210; BA 252; sophomore standing or greater.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 4 hrs.

### **BA 460 - Responsible Investment Management**

Units: 4

Traditional and modern approaches. Sources/uses of information, alternative investment instruments, capital markets. Valuation of securities and portfolios under risk through technical/fundamental analyses and portfolio- statistical models.

Division: Upper Division

Requisites: Pre-requisite: BA 360.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 4 hrs.

### **BA 462 - Corporate Finance and Valuation**

Units: 4

Apply principles and techniques to financial decision making and policy formulation. Case study/analytical approach. Short-term asset management, financial forecasting, capital expenditure, and capital structure policies.

Division: Upper Division

Requisites: Pre-requisite: BA 360

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 4 hrs.

### **BA 466 - Entrepreneurial Finance**

Units: 4

Framework to evaluate a new start-up idea. Forecasting financial statements, scenario and simulation analysis to evaluate alternative strategies, assess financial needs, assess risk and expected cash flows.

Division: Upper Division

Requisites: Pre-requisites: BA 360

Permission to enroll: No Special Consent Required

Grading mode: Mandatory Letter Grade

Weekly: Lecture 4 hrs.

### **BA 468 - Capital Budgeting**

Units: 4

Analyze investment decisions of a firm under risk and uncertainty.

Apply case study/analytical approach to development and management of capital needs, evaluation, and ranking of investment projects.

Division: Upper Division

Requisites: Pre-requisite: BA 360.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 4 hrs.

### **BA 469 - Financial Risk Management**

Units: 4

Pricing and use of financial derivatives, including options, forwards, futures, swaps and credit derivatives in risk management. Focus on applications of risk management tools within corporations and financial institutions.

Division: Upper Division

Requisites: Pre-requisites: BA 360

Permission to enroll: No Special Consent Required

Grading mode: Mandatory Letter Grade

Weekly: Lecture 4 hrs.

### **BA 470 - Organization and Management Theories**

Units: 4

How generic management process applies to all types of organizations (profit, not-for-profit, manufacturing, service, corporate, single proprietorships, large, small) and all business disciplines (marketing managers, finance managers, accounting managers).

Division: Upper Division

Requisites: Pre-requisite: BA 370.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 4 hrs.

### **BA 472 - Change Management**

Units: 4

Problem solving/systems theory integrated with organizational change models. Frameworks for developing coherent solutions to problems organizations increasingly face. Case studies apply theories to realistic problems.

Division: Upper Division

Requisites: Pre-requisite: BA 370.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 4 hrs.

### **BA 480 - Selected Topics in Business**

Units: 1-4

Topics of current or historic interest.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture hrs TBD

### **BA 482 - Internship**

Units: 1-4

Supervised experience in business, governmental, or service agencies.

Match theory with practice. Weekly conferences and final report.

Division: Upper Division

Requisites: Pre-requisite: business administration major and senior standing; or instructor approval

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Mandatory Letter Grade

Zero cost course materials: No Course Materials Required

Academic internship course: Yes

Weekly: Supervision hrs TBD

### **BA 494 - Business and Society**

Units: 4

Problems arising from interface of business and government, business ethics, government regulation, and international business. Senior seminar.

Division: Upper Division

Requisites: Pre-requisite: BA 340, BA 360, BA 370; or equivalent.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Related

Weekly: Seminar 4 hrs.

**BA 496 - Strategic Management**

Units: 4

Capstone course integrating all business core courses into design of strategic business plans. Domestic/international cases. Simulations and projects. Micro/mainframe computer applications.

Division: Upper Division

Requisites: Pre-requisite: BA 340, BA 360, BA 370; completion of all lower division core courses. Business administration majors only.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Related

Weekly: Lecture 4 hrs.

**BA 496S - Strategic Management**

Units: 4

Service learning course. This is a capstone experience course that integrates economic, financial, marketing, and management areas through the application of a strategic assessment of a local business.

Division: Upper Division

Requisites: Pre-requisite: BA 210, BA 252, ECON 210, BA 340, BA 360, BA 370; completion of all lower division core courses. Business administration majors only.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Service learning course: Yes

Weekly: Lecture 4 hrs.

**BA 499 - Directed Study**

Units: 1-4

Research work. Open to advanced students with Department approval required.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Supervision hrs TBD

**MBA 605 - Strategic Sustainability Foundations**

Units: 4

Introduction to frameworks supporting strategic sustainability. Topics include learning organizations, sustainability frameworks, business case for strategic sustainability, systems thinking tools, and examination of existing and emerging economic and management paradigms.

Division: Graduate

Requisites: Pre-requisite: undergraduate foundation courses in accounting, economics, finance, and statistics; admission to MBA program.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Focused

Weekly: Seminar 4 hrs.

**MBA 610 - Research Methods**

Units: 4

Fundamentals of designing a research project, assessing current research, managing large data sets, and effectively using advanced statistical techniques for analysis and publication.

Division: Graduate

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 4 hrs.

**MBA 620 - Accounting for Corporate Social Responsibility**

Units: 4

Accounting systems used to promote strategic sustainability. Information used in organizations for profit planning, operational control, performance evaluation, employee continuous improvement, improving relationships with the community, and protecting the

environment.

Division: Graduate

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Focused

Weekly: Seminar 4 hrs.

**MBA 630 - Marketing Management for Shared Value**

Units: 4

Traditional marketing no longer satisfies the dynamic needs of communities in the 21st century. In this hands-on course, we re-imagine marketing management through cutting edge perspectives on shared value creation.

Division: Graduate

Requisites: Pre-requisite: MBA 605, MBA 610, graduate standing.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 4 hrs.

**MBA 640 - Financial Management for Sustainable Growth**

Units: 4

Research and analyze several viewpoints on financial management for long-term sustainable growth for the enterprise. Contemporary theoretical and institutional developments in finance; implications for decision making and policy formation.

Division: Graduate

Requisites: Pre-requisite: MBA 605, MBA 610, MBA 620.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Related

Weekly: Seminar 4 hrs.

**MBA 650 - Designing Sustainable Organizations**

Units: 4

Organizations are affected by technology, other organizations, national cultures, and social and economic conditions. Analyze and design structures that create sustainable shared value for the enterprise.

Division: Graduate

Requisites: Pre-requisite: MBA 605, graduate standing.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Related

Weekly: Seminar 4 hrs.

**MBA 675 - Sustainability/Ethics**

Units: 4

Ethical theories and implications for individuals and organizations, as applied to organizational ethics, environmental regulations and frameworks, global ethics issues based on regional imbalances, and intergenerational ethics and sustainability issues.

Division: Graduate

Requisites: Pre-requisite: MBA 650, graduate standing.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Focused

Weekly: Seminar 4 hrs.

**MBA 679 - Strategic Analysis**

Units: 4

Synthesize management, marketing, finance, production, and other functions into unified strategies for organizations (local, national, international).

Division: Graduate

Requisites: Pre-requisite: MBA 630, MBA 640, MBA 650. Co-requisite: MBA 692.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Related

Weekly: Seminar 4 hrs.

### **MBA 680 - Selected Topics in Business Administration**

Units: 1-4

Open to grad students with Instructor Approval.

Division: Graduate

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar hrs TBD

### **MBA 682 - Business Internship**

Units: 1-4

Supervised experience in business, governmental, or service agencies. Apply graduate-level, business-relevant theory and tools to a defined business problem in the sponsoring organization. Document results.

Division: Graduate

Requisites: Pre-requisite: MBA students only.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Academic internship course: Yes

Weekly: Supervision hrs TBD

### **MBA 691 - MBA Comprehensive Exam**

Units: 0

Required for the MBA program. Skills for analyzing business issues, including functional applications of accounting, finance, marketing, management, and strategic sustainability is required. Exam will consist of a writing assignment and a presentation. Exam will be evaluated by two faculty members. If there is a disagreement, a third faculty member will evaluate.

Division: Graduate

Requisites: Pre-requisite: MBA 630, MBA 640 and MBA 650. Open to MBA students only.

Permission to enroll: No Special Consent Required

Grading mode: Mandatory CR/NC

Zero cost course materials: No Course Materials Required

Weekly: Tutorial hrs TBD

### **MBA 692 - Master's Degree Project**

Units: 1

Apply principles of business administration and economics to analysis, evaluation, and strategic management of organizations.

Division: Graduate

Requisites: Co-requisite: MBA 679.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Tutorial hrs TBD

### **MBA 699 - Independent Study**

Units: 1-4

Research work. Open to grad students with consent of MBA program leader.

Division: Graduate

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Supervision hrs TBD

## **Chemistry**

Chemistry majors and minors must earn a minimum grade of C- in all chemistry courses.

### **CHEM 100 - From Stars to Rocks: Being a Scientist in the 21st Century**

Units: 3

Introduction to the impact of astronomy, chemistry, physics, and geology on student life and society, practical aspects of the study of the disciplines and associated careers from different perspectives.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE E: Lifelong Learning

Weekly: Lecture 2 hrs. Seminar 1 hr.

### **CHEM 107 - Fundamentals of Chemistry**

Units: 4

Terminal course. Fundamental concepts and applications of general and inorganic chemistry.

Division: Lower Division

Requisites: Pre-requisite: math placement category I, II, or III.

Permission to enroll: No Special Consent Required

Grading mode: Mandatory Letter Grade

General Education: GE B1: Physical Science, GE B3: Laboratory Activity

Weekly: Lecture 3 hrs. Laboratory 3 hrs.

### **CHEM 109 - General Chemistry I**

Units: 5

Fundamental concepts: chemical foundations, stoichiometry, chemical reactions, gases, thermochemistry, atomic theory, bonding, liquids, solutions. For students in science, engineering, and related majors.

Division: Lower Division

Requisites: Pre-requisite: math placement category I or II or category III and MATH 101I (C).

Permission to enroll: No Special Consent Required

Grading mode: Mandatory Letter Grade

General Education: GE B1: Physical Science, GE B3: Laboratory Activity

Weekly: Lecture 3 hrs. Laboratory 3 hrs. Second Lecture 1 hr.

### **CHEM 110 - General Chemistry II**

Units: 5

Fundamental concepts: kinetics; equilibrium; acids and bases; acid-base, solubility, and complex ion equilibria; entropy and free energy; electrochemistry; qualitative analysis. For students in science, engineering, and related majors.

Division: Lower Division

Requisites: Pre-requisite: CHEM 109 with a grade of C- or higher.

Permission to enroll: No Special Consent Required

Grading mode: Mandatory Letter Grade

Weekly: Lecture 3 hrs. Laboratory 6 hrs.

### **CHEM 128 - Introduction to Organic Chemistry**

Units: 3

An introductory course in organic chemistry for natural resource majors. Topics will include structure and bonding, nomenclature, and common functional groups and their reactivity.

Division: Lower Division

Requisites: Pre-requisite: CHEM 107.

Permission to enroll: No Special Consent Required

Grading mode: Mandatory Letter Grade

Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **CHEM 198 - Supplemental Instruction**

Units: 1

Collaborative work for students enrolled in chemistry.

Division: Lower Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Mandatory CR/NC

Weekly: Tutorial 2 hrs.

### **CHEM 228 - Brief Organic Chemistry**

Units: 4

For majors in biological science/natural resource areas. Nomenclature, physical properties, synthesis, and reactions of compounds representing major functional group categories. Reaction mechanisms emphasized.

Division: Lower Division

Requisites: Pre-requisite: CHEM 107 with a grade of C- or higher or CHEM 110 with a grade of C- or higher.

Permission to enroll: No Special Consent Required

Grading mode: Mandatory Letter Grade

Weekly: Lecture 3 hrs. Laboratory 3 hrs.

### **CHEM 308 - Alchemy**

Units: 3

Inquiry into materials, methods, and processes of alchemy from perspectives of alchemist, contemporary chemistry.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE UD Area B: Math & Science

Weekly: Lecture 3 hrs.

### **CHEM 310 - Inorganic Chemistry I**

Units: 3

Advanced concepts: nuclear properties, molecular symmetry, bonding, metallic and ionic solids, acids and bases, oxidation-reduction, non-aqueous media, chemistry and organometallic compounds of the representative elements.

Division: Upper Division

Requisites: Pre-requisite: CHEM 110 with a grade of C- or higher.

Permission to enroll: No Special Consent Required

Grading mode: Mandatory Letter Grade

Weekly: Lecture 3 hrs.

### **CHEM 323 - Nuclear Magnetic Resonance Spectroscopy (NMR) Techniques**

Units: 1

Operate NMR spectrometer; prepare samples. Individual projects.

Division: Upper Division

Requisites: Pre-requisite: CHEM 324; CHEM 324L. Co-requisite: CHEM 325; CHEM 325L.

Permission to enroll: No Special Consent Required

Grading mode: Mandatory CR/NC

Weekly: Tutorial hrs TBD

### **CHEM 324 - Organic Chemistry I**

Units: 3

First semester of a one-year sequence. Chemical bonding, chemical structure, spectroscopy, physical properties, stereochemistry, reaction mechanisms, and synthesis.

Division: Upper Division

Requisites: Pre-requisite: CHEM 110 with a grade of C- or higher.

Corequisite: CHEM 324L.

Permission to enroll: No Special Consent Required

Grading mode: Mandatory Letter Grade

Weekly: Lecture 3 hrs.

### **CHEM 324L - Organic Chemistry I Laboratory**

Units: 2

First semester of a year-long sequence. Laboratory techniques, library skills, and synthesis.

Division: Upper Division

Requisites: Pre-requisite: CHEM 110 with a grade of C- or higher. Co-requisite: CHEM 324.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Laboratory 6 hrs.

### **CHEM 325 - Organic Chemistry II**

Units: 3

Second semester of a one-year sequence. Chemical bonding, chemical structure, spectroscopy, physical properties, stereochemistry, reaction mechanisms, and synthesis.

Division: Upper Division

Requisites: Pre-requisite: CHEM 324 and CHEM 324L, with C- or higher. Co-requisite: CHEM 323 and CHEM 325L.

Permission to enroll: No Special Consent Required

Grading mode: Mandatory Letter Grade

Weekly: Lecture 3 hrs.

### **CHEM 325L - Organic Chemistry II Laboratory**

Units: 2

Second semester of a year-long sequence. Laboratory techniques, spectroscopy, library skills, unknown analysis, and synthesis.

Division: Upper Division

Requisites: Pre-requisite: CHEM 324, CHEM 324L both with C- or higher. Co-requisite: CHEM 325.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Laboratory 6 hrs.

### **CHEM 330 - Molecular Modeling**

Units: 3

Apply molecular modeling and computational chemistry methods (semiempirical, ab initio, and density functional) to problems in organic and inorganic chemistry, biochemistry, and molecular biology.

Division: Upper Division

Requisites: Pre-requisite: CHEM 228 or CHEM 325 (C); CHEM 325L (C).

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **CHEM 341 - Quantitative Analysis**

Units: 5

Principles and methods of classical chemical analysis. Introduction to instrumental methods. For chemistry majors and others who require a rigorous treatment of solution equilibria and training in precise quantitative lab techniques.

Division: Upper Division

Requisites: Pre-requisite: CHEM 110 with a grade of C- or higher.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 3 hrs. Laboratory 6 hrs.

### **CHEM 361 - Physical Chemistry I**

Units: 3

Application of quantitative mathematical methods to fundamental chemical systems: equilibrium thermodynamics and chemical kinetics.

Division: Upper Division

Requisites: Pre-requisite: CHEM 341(C); PHYX 107 or PHYX 211(C); MATH 210 or MATH 215; all with grades of C- or higher.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 2 hrs. Activity 2 hrs.

### **CHEM 362 - Physical Chemistry II**

Units: 3

Application of quantitative mathematical methods to fundamental chemical systems: quantum theory, spectroscopy, and statistical thermodynamics.

Division: Upper Division

Requisites: Pre-requisite: CHEM 324; CHEM 324L ; CHEM 361 all with a grade of C- or higher.

Permission to enroll: No Special Consent Required

Grading mode: Mandatory Letter Grade

Weekly: Lecture 2 hrs. Activity 2 hrs.



**CHEM 363 - Physical Chemistry II Lab**

Units: 2

Experimental application of quantitative mathematical methods to fundamental chemical systems: laboratory investigations in equilibrium thermodynamics, chemical kinetics, quantum theory, spectroscopy, and statistical thermodynamics.

Division: Upper Division

Requisites: Pre-requisite: CHEM 341 with a grade of C- or higher and CHEM 362 (C).

Permission to enroll: No Special Consent Required

Grading mode: Mandatory Letter Grade

Weekly: Laboratory 6 hrs.

**CHEM 370 - Earth System Chemistry**

Units: 3

Chemistry of the earth, including elemental cycling and speciation in the environment, the impact of man on biogeochemical processes, and the effects of climate change on the chemical/physical interactions occurring within and between the atmosphere, hydrosphere, and biosphere.

Division: Upper Division

Requisites: Pre-requisite: CHEM 107 or CHEM 110 with a grade of C- or higher.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Related

Weekly: Lecture 3 hrs.

**CHEM 399 - Supplemental Work in Chemistry**

Units: 1-3

Directed study for transfer student whose prior coursework is not equivalent to corresponding courses at Cal Poly Humboldt.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: Department Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Supervision hrs TBD

**CHEM 410 - Inorganic Chemistry II**

Units: 3

Advanced concepts: chemistry and organometallic compounds of the transition metals, the lanthanoids, and the actinoids; reaction mechanisms; catalysis; solid state chemistry.

Division: Upper Division

Requisites: Pre-requisite: CHEM 310.

Permission to enroll: No Special Consent Required

Grading mode: Mandatory Letter Grade

Weekly: Lecture 3 hrs.

**CHEM 410L - Inorganic Chemistry II Lab**

Units: 2

Advanced laboratory and instrumentation techniques: synthesis, characterization, and reactions of inorganic and organometallic compounds.

Division: Upper Division

Requisites: Pre-requisite: CHEM 310 with a grade of C- or higher and CHEM 410 (C).

Permission to enroll: No Special Consent Required

Grading mode: Mandatory Letter Grade

Weekly: Laboratory 6 hrs.

**CHEM 434 - Biochemistry I**

Units: 3

First semester lecture of a one-year sequence. Biochemical energetics, introductory metabolism, nature and mechanism of action of enzymes.

Division: Upper Division

Requisites: Pre-requisite: CHEM 110; any calculus course; CHEM 228 or (CHEM 325 and CHEM 325L all with a C- or higher.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 3 hrs.

**CHEM 434L - Biochemistry I Laboratory**

Units: 2

First semester of a one-year sequence. Laboratory techniques.

Division: Upper Division

Requisites: Pre-requisite: CHEM 228 or (CHEM 325 and CHEM 325L.

Co-requisite: CHEM 434.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Laboratory 6 hrs.

**CHEM 435 - Biochemistry II**

Units: 3

The second semester lecture of a one-year sequence. Biochemical energetics, introductory metabolism, nature and mechanism of action of enzymes.

Division: Upper Division

Requisites: Pre-requisite: CHEM 434 and CHEM 434L with a C- or better. Co-requisite: CHEM 435L.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 3 hrs.

**CHEM 435L - Biochemistry II Laboratory**

Units: 2

Second semester of a one-year lab sequence. Biochemical energetics, introductory metabolism, nature and mechanism of action of enzymes.

Division: Upper Division

Requisites: Pre-requisite: CHEM 434 and CHEM 434L with a C- or better. Co-requisite: CHEM 435.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Laboratory 6 hrs.

**CHEM 438 - Introductory Biochemistry**

Units: 4

Brief course in biochemistry. The chemistry of amino acids, proteins, nucleic acids, lipids and carbohydrates. Includes enzyme kinetics, bioenergetics, structure and function of biological membranes, discussion of common laboratory methods.

Division: Upper Division

Requisites: Pre-requisite: CHEM 228 or (CHEM 325 and CHEM 325L with a grade of C- or higher.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 3 hrs. Second Lecture 1 hr.

**CHEM 441 - Instrumental Analysis**

Units: 4

Principles and methods. For chemistry majors and others requiring training in instrumental techniques of analysis.

Division: Upper Division

Requisites: Pre-requisite: CHEM 341.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 2 hrs. Laboratory 6 hrs.

**CHEM 480 - Selected Topics in Advanced Chemistry**

Units: 1-4

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: Instructor Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar hrs TBD

**CHEM 485 - Seminar in Chemistry**

Units: 1

Seminar presentations on current chemistry topics by majors with senior standing in chemistry. Capstone course. All chemistry majors are encouraged to attend.

Division: Upper Division

Requisites: Pre-requisite: senior standing.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 1 hr.

### **CHEM 495 - Undergraduate Research**

Units: 1-3

Individual investigation of selected problem. Conference, reading, research. Final written report. For students showing outstanding ability.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: Instructor Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Supervision hrs TBD

### **CHEM 499 - Directed Study**

Units: 1-4

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: Instructor Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Supervision hrs TBD

### **CHEM 599 - Independent Study**

Units: 1-3

Division: Graduate

Repeats: Repeatable for Credit

Permission to enroll: Instructor Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Supervision hrs TBD

## **Child Development**

### **CD 109Y - American Sign Language: Level I**

Units: 3

Basic receptive and expressive communication skills using hands, upper body, and facial expressions. Orientation to deaf and hard-of-hearing communities. Only meets lower division GE requirements if CD 109Z is taken also.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 3 hrs.

### **CD 109Z - American Sign Language: Level II**

Units: 3

Expand basic ASL skills, both receptive and expressive. Emphasis on "functions" or communicative purposes of people's interactions. Study deaf culture comparing hearing and deaf communities.

Division: Lower Division

Requisites: Pre-requisite: CD 109Y or IA.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE C2: Humanities

Weekly: Lecture 3 hrs.

### **CD 180 - Topics in Child Development**

Units: 1-9

Introductory level content.

Division: Lower Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Mandatory CR/NC

Weekly: Lecture hrs TBD

### **CD 209 - Middle Childhood Development**

Units: 3

Development of family/social context. Focus on children 7-12 years old. Biological and environmental influences determining normative and individual development. Interpret theories and research.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE E: Lifelong Learning

Weekly: Lecture 3 hrs.

### **CD 211 - Perspectives: Professional Development**

Units: 3

Investigation of employment alternatives, professional organizations and resources, and strategies for professional development and employment. 3 hrs per week field observation and participation may be required.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 2 hrs. Tutorial 1 hr.

### **CD 211S - Perspectives: Professional Development**

Units: 3

Investigation of employment alternatives, professional organizations and resources, and strategies for professional development and employment. 30 hours of service learning required over the course of the semester.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Service learning course: Yes

Weekly: Lecture 2 hrs. Tutorial 1 hr.

### **CD 251 - Children, Families and Their Communities**

Units: 3

Examination of the evolution of family roles and functions in the United States focusing on the relationship between family and the community. Application of selected families theories and discussion of family of diversity impacts.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 3 hrs.

### **CD 253 - Prenatal and Infant Development**

Units: 3

Development through toddlerhood in a family context. Biological and environmental influences that determine normative and individual development. Interpret theories and research.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 3 hrs.

### **CD 255 - Early Childhood Development**

Units: 3

Development from toddlerhood through age 7 in a family and school context. Impact of diverse family experiences. Biological and environmental influences that determine normative and individual development. Interpret theories and research. Observations required.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs.

### **CD 257 - Supervised Work with Children I**

Units: 4  
Build relationships and communication skills as a foundation for guidance. Create safe and healthy learning environments in a group setting.  
Division: Lower Division  
Requisites: Pre-requisite: CD 209 or CD 255 (C).  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Seminar 2 hrs. Tutorial hrs TBD

### **CD 280 - Topics in Child Development**

Units: 0.5-9  
Topics requiring background in the field. Oral and/or written communication.  
Division: Lower Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Mandatory CR/NC  
Weekly: Lecture hrs TBD

### **CD 310 - Perspectives: History and Theory**

Units: 3  
History and theory with respect to US families and the institutions that serve them. Intellectual paradigms examined and related to sociocultural context and child development practices.  
Division: Upper Division  
Requisites: Pre-requisite: CD 251 and CD 209 or CD 253, CD 255.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
All University Requirements: DCG: Domestic  
Weekly: Seminar 3 hrs.

### **CD 350 - Perspectives: Life-Span Development**

Units: 3  
The study of biological and environmental influences on normative and individual development across the life-span. Impact of diverse experiences on child development. Interpretation of theories and research.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs.

### **CD 352 - Parent/Child Relationships**

Units: 3  
Dynamics, reciprocal nature of interactions. Historic and contemporary issues. Ethnic and social class variations.  
Division: Upper Division  
Requisites: Pre-requisite: CD 253 or CD 255 or SW 350.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
All University Requirements: DCG: Domestic  
Weekly: Lecture 3 hrs.

### **CD 354 - Methods of Observation**

Units: 3  
Observational strategies and their advantages/disadvantages. Historical background. Standard observational devices. Ethical issues. Summarize and interpret observational records.  
Division: Upper Division  
Requisites: Pre-requisite: general course in child growth/development (such as CD 209, CD 253, PSYC 311, or SW 350).  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required  
Weekly: Clinical 2 hrs. Tutorial hrs TBD

### **CD 355 - Language Development**

Units: 3  
Milestones in speech and language development from birth through adolescence. Theory; factors influencing acquisition and competency; language delays/ disorders and their assessment and intervention.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs.

### **CD 356 - Curriculum Development for Early Childhood**

Units: 3  
Plan developmentally appropriate curriculum for early childhood programs (preschool through 3rd grade). Apply cognitive developmental theory to classroom. Plan activities; select equipment and materials; prepare goals and objectives.  
Division: Upper Division  
Requisites: Pre-requisite: CD 209 or CD 255.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 3 hrs.

### **CD 357 - Early Literacy**

Units: 3  
Review principles. Analyze theoretical approaches to facilitating literacy. Examine literary resources.  
Division: Upper Division  
Requisites: Pre-requisite: CD 209 or CD 255.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Lecture 3 hrs.

### **CD 358 - Supervised Work with Children II**

Units: 4  
Analyze and implement a constructionist approach with children. Developmental theory; role of adult in facilitating learning; interactive environments; group dynamics.  
Division: Upper Division  
Requisites: Pre-requisite: CD 257 or IA.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Seminar 2 hrs. Tutorial hrs TBD

### **CD 362 - Children and Stress**

Units: 3  
Impact of major childhood stressors (divorce, blended families, death, illness, natural disasters) on development. Coping mechanisms and stress disorders. Stress prevention strategies, treatment. Implications for service professionals.  
Division: Upper Division  
Requisites: Pre-requisite: CD 352 (C), and CD 209 or CD 253 or CD 255.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 3 hrs.

### **CD 366 - Exceptional Children and Their Families**

Units: 3  
Historical aspects, terminology, factors having an impact on family dynamics, legislation, and intervention models.  
Division: Upper Division  
Requisites: Pre-requisite: CD 352, and CD 209 or CD 253 or CD 255.  
Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs.

### **CD 380 - Topics in Child Development**

Units: 0.5-9

In-Depth discussion of mid-level topics introduced in the Child Development Curriculum, such as new CD matrix requirements.

Division: Upper Division

Requisites: Pre-requisite: (C) CD 209 or CD 253 or CD 255 or CD 350; upper division status recommended.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Mandatory CR/NC

Weekly: Lecture hrs TBD

### **CD 446 - Structure and Content of Children's Thinking**

Units: 3

Current models for understanding intellectual processes in children.

Apply models to thinking/learning processes in liberal arts content areas. Focus on children 5-12.

Division: Upper Division

Requisites: Pre-requisite: CD 354 (C), and CD 209 or CD 255.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 2 hrs. Activity 2 hrs.

### **CD 464 - Atypical Child Development**

Units: 3

Develop cognitive, social, motor, and communication skills in handicapped and at-risk children (0-6 years). Risk factors, family concerns, public policy, intervention.

Division: Upper Division

Requisites: Pre-requisite: CD 354 (C).

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 3 hrs.

### **CD 467 - Working with Culturally Diverse Families**

Units: 3

Family attitudes, goals, and practices impacted by gender, social class, ethnicity, racial membership. Sensitize self to personal perspectives on diversity. Seminar format. Recommended preparation: CD 352 or PSYC 303 or SOC 306.

Division: Upper Division

Requisites: Pre-requisite: Must have junior standing or greater.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

All University Requirements: DCG: Domestic

Weekly: Seminar 3 hrs.

### **CD 467S - Working with Culturally Diverse Families**

Units: 3

Family attitudes, goals, and practices impacted by gender, social class, ethnicity, racial membership. Sensitize self to personal perspectives on diversity. Seminar format. 20 hours of service learning required over the course of the semester. Recommended preparation: CD 352 or PSYC 303 or SOC 306.

Division: Upper Division

Requisites: Pre-requisite: Must have junior standing or greater.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

All University Requirements: DCG: Domestic

Service learning course: Yes

Weekly: Seminar 3 hrs.

### **CD 469 - Contemporary Issues in Child Development**

Units: 3

Define issues, trace historical antecedents, recognize underlying assumptions, organize relevant facts, draw warranted conclusions.

Seminar format.

Division: Upper Division

Requisites: Pre-requisite: CD 310; junior standing or greater.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 3 hrs.

### **CD 479 - Policy Analysis and Advocacy**

Units: 3

Analyze public/private policies affecting families. Methods of influencing family policy development.

Division: Upper Division

Requisites: Pre-requisite: junior standing or greater; completed core in child development or family studies minor.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 3 hrs.

### **CD 480 - Selected Topics**

Units: 0.5-3

Focus on current issues.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: Instructor Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture hrs TBD

### **CD 482 - Directed Field Experience/Internship**

Units: 1-4

Supervised community field work integrating theory into practice.

Arrange prior to semester enrolled.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Mandatory CR/NC

Zero cost course materials: No Course Materials Required

Academic internship course: Yes

Weekly: Supervision hrs TBD

### **CD 499 - Directed Study**

Units: 1-4

Directed readings and assignments approved by instructor.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Supervision hrs TBD

### **CD 580 - Special Topics in Child Development**

Units: 1-3

Division: Graduate

Requisites: Pre-requisite: grad standing, IA.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture hrs TBD

## **Communication**

These courses at one time had an SC prefix (Speech Communication)

### **COMM 100 - Fundamentals of Speech Communication**

Units: 3

Introductory course. Develop oral communication abilities for functioning effectively in various settings. Fundamental communication theory.

Division: Lower Division

Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE A1: Oral Communication  
Weekly: Lecture 3 hrs.

### **COMM 103 - Critical Listening and Thinking**

Units: 3  
From listener's (consumer's) perspective, apply reasoned inquiry in evaluating marketplace communication.  
Division: Lower Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE A3: Critical Thinking  
Weekly: Lecture 3 hrs.

### **COMM 105 - Introduction to Human Communication**

Units: 3  
Perceptual effects, verbal/nonverbal codes, and dynamics of interpersonal, group, and organizational communication.  
Division: Lower Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE D: Social Sciences  
Weekly: Lecture 3 hrs.

### **COMM 108 - Oral Interpretation**

Units: 3  
Perform prose and poetry.  
Division: Lower Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE C2: Humanities  
Weekly: Lecture 3 hrs.

### **COMM 110 - Intercollegiate Speech and Debate**

Units: 1-3  
Prepare for intramural/intercollegiate forensics.  
Division: Lower Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Tutorial hrs TBD

### **COMM 213 - Interpersonal Communication**

Units: 3  
Discuss and apply concepts/theories relating to self and self/other communication.  
Division: Lower Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs.

### **COMM 214 - Persuasive Speaking**

Units: 3  
Principles and practices of persuasion in various communication contexts. Prepare extemporaneous persuasive speeches.  
Division: Lower Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs.

### **COMM 222 - Intercultural Communication**

Units: 4  
Develop skills for communicating in various settings with people from different cultural backgrounds.  
Division: Lower Division  
Requisites: Pre-requisite: COMM 105 (C).  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis

All University Requirements: DCG: Domestic  
Weekly: Lecture 4 hrs.

### **COMM 235 - Act to End Sexualized Violence**

Units: 1  
Cross-listed with: ANTH 235, CRGS 235, PSCI 235, SOC 235  
Analyze how sexualized violence impacts communities and operates as social control; learn to recognize victim-blaming, promote survivor centered responses, foreground enthusiastic consent, and take action to transform our campus community.  
Division: Lower Division  
Permission to enroll: No Special Consent Required  
Grading mode: Mandatory CR/NC  
Weekly: Lecture 1 hr.

### **COMM 280 - Selected Topics in Speech Communication**

Units: 1-4  
Division: Lower Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture hrs TBD

### **COMM 300 - American Public Discourse**

Units: 3  
Critique genres of discourse and their importance in American culture.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE UD Area C: Art & Humanities  
All University Requirements: DCG: Domestic  
Weekly: Lecture 3 hrs.

### **COMM 309B - Gender and Communication**

Units: 3  
Cross-listed with: WS 309B  
Critique relationship of gender to communication as viewed from perspectives of sciences, social sciences, and arts/humanities.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE UD Area C: Art & Humanities, GE UD Area D: Social Sciences  
All University Requirements: DCG: Domestic  
Weekly: Lecture 3 hrs.

### **COMM 310 - Advanced Intercollegiate Speech and Debate**

Units: 1-3  
Prepare for intramural/intercollegiate forensics.  
Division: Upper Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Tutorial hrs TBD

### **COMM 312 - Group Communication**

Units: 4  
Principles, practices, and theories: formation, cohesion, change, problem solving, roles, leadership, norms, efficiency.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 4 hrs.

### **COMM 315 - Communication and Social Advocacy**

Units: 4  
Study of communication strategies utilized to create and resist social change in the context of historical/contemporary social movements. Possible topics: civil rights, suffrage movement, environment, animal rights.  
Division: Upper Division

Requisites: Pre-requisite: COMM 100 or equivalent.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
All University Requirements: DCG: Domestic  
Sustainability: Sustainability Focused  
Weekly: Lecture 4 hrs.

#### **COMM 319 - Communication Research**

Units: 4  
Social scientific and humanistic research methods.  
Division: Upper Division  
Requisites: Pre-requisite: COMM 105 (C) or IA.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 4 hrs.

#### **COMM 324 - Nonverbal Communication**

Units: 4  
How human communication behaviors acquire meaning. Body language, voice, and use of our environment.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 4 hrs.

#### **COMM 387 - International Education Colloquium**

Units: 1  
Cross-listed with: ANTH 387, ECON 387, GEOG 387, HIST 387, INTL 387, PSCI 387  
Earn credit by attending International Education Week events and participating in an online discussion forum. Mandatory pre-event meeting.  
Division: Upper Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Mandatory CR/NC  
Sustainability: Sustainability Related  
Weekly: Lecture 1 hr.

#### **COMM 404 - Theories of Communication Influence**

Units: 4  
How communication influences human thought and behavior. Theories of argumentation and persuasion in various communication contexts.  
Division: Upper Division  
Requisites: Pre-requisite: COMM 105 (C) or IA.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 4 hrs.

#### **COMM 411 - Organizational Communication**

Units: 4  
Interpersonal, small group, and systemic communication in organizations. Improve skills; increase understanding of communication process. Substantial independent work with instructor supervision.  
Division: Upper Division  
Requisites: Pre-requisite: COMM 105 (C) or IA.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 4 hrs.

#### **COMM 414 - Rhetorical Theory**

Units: 4  
Major communication theories, from classical period to present, using rhetorical perspective.  
Division: Upper Division  
Requisites: Pre-requisite: COMM 105 (C) or IA.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 4 hrs.

#### **COMM 415 - Communication Theory**

Units: 4  
Multidisciplinary survey of theories from perspective of social sciences.  
Division: Upper Division  
Requisites: Pre-requisite: COMM 105 (C) or IA.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 4 hrs.

#### **COMM 416 - Social Advocacy Theory and Practice**

Units: 3  
Explores theories, models, and case studies pertaining to the study of social advocacy.  
Division: Upper Division  
Requisites: Pre-requisite: COMM 315 (C).  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs.

#### **COMM 472 - Convention Experience**

Units: 1  
Purposeful attendance and thoughtful analysis of experience attending a regional or national academic communication convention.  
Recommended preparation: COMM 319.  
Division: Upper Division  
Requisites: Pre-requisite: COMM 105 (C) or IA. Communication majors/minors only.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Mandatory Letter Grade  
Zero cost course materials: No Course Materials Required  
Weekly: Tutorial hrs TBD

#### **COMM 480 - Seminar in Speech Communication**

Units: 1-4  
New dimensions in the field.  
Division: Upper Division  
Requisites: Pre-requisite: COMM 105 (C).  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar hrs TBD

#### **COMM 490 - Capstone Experience**

Units: 2  
Under guidance, complete and present senior project and finalize assessment portfolio. Recommended before enrolling: COMM 105.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Seminar 2 hrs.

#### **COMM 495 - Field Experiences in Speech Communication**

Units: 1-6  
Either propose and develop a project (under direction of instructor) or perform supervised research on a project initiated by a professor.  
Division: Upper Division  
Repeats: Repeatable for Credit  
Permission to enroll: Instructor Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Supervision hrs TBD

#### **COMM 499 - Directed Study**

Units: 1-4  
Individual study on selected problems.  
Division: Upper Division  
Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Tutorial hrs TBD

## Computer Science

Prerequisite courses must be passed with a minimum grade of C-

### CS 100 - Critical Thinking with Computers

Units: 3  
Apply critical thinking skills studying human and computer parallels, computer technology and methodology, and program development.  
Division: Lower Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE A3: Critical Thinking  
Weekly: Lecture 3 hrs.

### CS 111 - Computer Science Foundations 1

Units: 4  
Introductory programming covering problem decomposition, control structures, simple data structures, testing, and documentation. Students design and implement a number of programs.  
Division: Lower Division  
Requisites: Pre-requisite: MATH 101 (C) or MATH 101I (C) or MATH 102 (C).  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs. Activity 2 hrs.

### CS 112 - Computer Science Foundations 2

Units: 4  
Object-oriented programming, focusing on classes, instances, methods, encapsulation, inheritance, overloading, multiple inheritance, and exception handling.  
Division: Lower Division  
Requisites: Pre-requisite: CS 111.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs. Activity 2 hrs.

### CS 211 - Data Structures

Units: 4  
Introduction to classic data structures and algorithms. Performance comparisons, big-O notation, trade-offs, arrays, linked lists, recursion, sorting, stacks, queues, trees, graphs, and hash tables.  
Division: Lower Division  
Requisites: Pre-requisite: CS 112 and MATH 253.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs. Activity 2 hrs.

### CS 232 - Python Programming

Units: 3  
Introduction to the Python language. Idiomatic language features such as lists, dictionaries, tuples, and sets. Use of Python classes and modules to accomplish complex tasks.  
Division: Lower Division  
Requisites: Pre-requisite: CS 111 or IA.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 2 hrs. Activity 2 hrs.

### CS 235 - Java Programming

Units: 3  
Object-oriented programming; event handling; abstract windowing toolkit applets, applications; Java database connectivity; applications

programming interface and Java doc.  
Division: Lower Division  
Requisites: Pre-requisite: CS 112.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 2 hrs. Activity 2 hrs.

### CS 237 - Bioinformatics Programming

Units: 3  
Introductory course on using software tools to solve biological problems. Students collaboratively model genomic and/or proteomic data with scripting and statistical languages.  
Division: Lower Division  
Requisites: Pre-requisite: CS 111 and BIOL 105.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 2 hrs. Activity 2 hrs.

### CS 243 - Architecture

Units: 4  
Introduction to computer architecture including assembly language, computer arithmetic, performance measures, datapath, control, pipelining, and memory/storage design.  
Division: Lower Division  
Requisites: Pre-requisite: CS 112 and MATH 253.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs. Activity 2 hrs.

### CS 279 - Introduction to Linux

Units: 4  
Introduces the UNIX/Linux family of operating systems. Basic commands, utilities, system structures, scripting and tools are explored. Elements of system administration are presented.  
Division: Lower Division  
Requisites: Pre-requisite: CS 111.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs. Activity 2 hrs.

### CS 280 - Selected Topics in Computing

Units: 1-3  
Special topics in computer science. courses with this number have only freshman/sophomore prerequisites, excluding CS 243 and CS 312.  
Division: Lower Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture hrs TBD

### CS 280L - Selected Topics in Computing

Units: 1-2  
Special topics in computer science. courses with this number have only freshman/sophomore prerequisites, excluding CS 243 and CS 312.  
Division: Lower Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Activity hrs TBD

### CS 309 - Computers and Social Change

Units: 3  
How computers influence societal systems. Issues: privacy, employment, politics, social interaction, and risk. Group discussion and writing on selected issues.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE UD Area B: Math & Science, GE UD Area C:

Art & Humanities, GE UD Area D: Social Sciences  
Sustainability: Sustainability Related  
Weekly: Lecture 3 hrs.

### **CS 312 - Algorithms**

Units: 4  
Introduction to algorithmic thinking. Recurrences and solution techniques, fundamental algorithms including graph algorithms, algorithm design techniques, balanced trees, performance trade-offs.  
Division: Upper Division  
Requisites: Pre-requisite: CS 211; STAT 108 (C) or STAT 108I (C), and MATH 105 or MATH 109.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 4 hrs.

### **CS 325 - Database Design**

Units: 4  
Introduction to database design and implementation. Relational model, entity-relationship model and diagrams, converting a model to a schema, elementary Structured Query Language (SQL), normalization.  
Division: Upper Division  
Requisites: Pre-requisite: CS 112; or GSP 270 and (CS 111 or CS 232 or GSP 318).  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs. Activity 2 hrs.

### **CS 328 - Web-Apps Using Databases**

Units: 4  
Building applications atop databases. N-tiered architecture; database tier: stored procedures/ functions; presentation tier: web GUIs; application tier: controlling web-to-database interactions.  
Division: Upper Division  
Requisites: Pre-requisite: CS 325.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs. Activity 2 hrs.

### **CS 346 - Telecommunications and Networks**

Units: 4  
Introduction to the fundamentals of telecommunication and to the structure, implementation, and theoretical underpinnings of computer networking.  
Division: Upper Division  
Requisites: Pre-requisite: CS 243 and STAT 108 or STAT 108I.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs. Activity 2 hrs.

### **CS 374 - Operating Systems**

Units: 4  
Introduction to operating systems with an emphasis on process synchronization and control. Synchronization, kernel structure, scheduling, deadlock, virtual and physical memory, file and I/O.  
Division: Upper Division  
Requisites: Pre-requisite: CS 211 and CS 243.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs. Activity 2 hrs.

### **CS 444 - Robotics**

Units: 4  
A project-based introduction to robotic systems and software that controls them, including gearing, mechanics, AI control systems, and problem solving with robots.  
Division: Upper Division  
Requisites: Pre-requisite: CS 211 and STAT 108 or STAT 108I.  
Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs. Activity 2 hrs.

### **CS 449 - Computer Security**

Units: 4  
Introduction to central concepts of computer security on networked systems. Topics include threats, cryptography, authentication, operating systems in security, legal and privacy issues.  
Division: Upper Division  
Requisites: Pre-requisite: CS 346.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs. Activity 2 hrs.

### **CS 458 - Software Engineering**

Units: 4  
Introduction to software engineering principles and methodologies in the context of a semester-long software team project.  
Division: Upper Division  
Requisites: Pre-requisite: CS 328 and CS 374.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs. Activity 2 hrs.

### **CS 461 - Computational Models**

Units: 4  
An introduction to the Chomsky hierarchy, automata, Church- Turing Thesis, computability, NP-completeness, and information theory.  
Division: Upper Division  
Requisites: Pre-requisite: CS 312, MATH 253, and MATH 105 or MATH 109.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 4 hrs.

### **CS 480 - Advanced Topics in Computing**

Units: 1-3  
Advanced topics in computer science.  
Division: Upper Division  
Requisites: Pre-requisite: CS 211; sophomore standing or greater.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture hrs TBD

### **CS 480L - Advanced Topics in Computing**

Units: 1-2  
Advanced topics in computer science.  
Division: Upper Division  
Requisites: Pre-requisite: CS 211; sophomore standing or greater.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Activity hrs TBD

### **CS 482 - Internship**

Units: 1-4  
Supervised experience in business, governmental, or service agencies, matching theory with practice.  
Division: Upper Division  
Permission to enroll: Instructor Consent Required  
Grading mode: Mandatory CR/NC  
Academic internship course: Yes  
Weekly: Supervision hrs TBD

### **CS 499 - Directed Study**

Units: 1-4  
Individual study on selected topics. Open to advanced students with consent of faculty sponsor and Department approval required.  
Division: Upper Division



Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Supervision hrs TBD

## **Criminology & Justice Studies**

### **CRIM 125 - Introduction to Criminology and Justice Studies**

Units: 3  
Introduction to field of criminology and social justice conceptual framework; theoretical perspectives and methods; contemporary crime policy issues: individual to societal.  
Division: Lower Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs.

### **CRIM 225 - Inequalities/Criminalization**

Units: 4  
Examines the intersections of crime and inequalities within families, communities and nations.  
Division: Lower Division  
Requisites: Pre-requisite: CRIM 125  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 4 hrs.

### **CRIM 225S - Inequalities/Criminalization**

Units: 4  
Examines the intersection of crime and inequality within families, communities, and nations. The course includes experiential education that connects students to local responses to social justice issues.  
Division: Lower Division  
Requisites: Pre-requisite: CRIM 125.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Service learning course: Yes  
Weekly: Lecture 3 hrs. Tutorial hrs TBD

### **CRIM 280 - Special Topics**

Units: 1-4  
Special topics in criminology and justice.  
Division: Lower Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture hrs TBD

### **CRIM 325 - Law and Society**

Units: 4  
Examines creation and maintenance of systems of law and social control. Focus on courts, surveillance, policing, informal and formal mechanisms of social control impacting individuals to societies. Writing intensive course.  
Division: Upper Division  
Requisites: Pre-requisite: CRIM 225 or CRIM 225S and junior standing or greater.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 4 hrs.

### **CRIM 362 - Gender, Sexualities and Crime**

Units: 4  
Explores how beliefs about gender and sexuality intersect with the ways that crime happens and is treated in and out of the criminal justice system.  
Division: Upper Division  
Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis  
Weekly: Seminar 4 hrs.

### **CRIM 410 - Theories of Justice and Crime**

Units: 4  
Examination, application, and critical review of classical and contemporary theories of crime. Classical, Interactionist, Structural, Learning, Critical, and Feminist theories.  
Division: Upper Division  
Requisites: Pre-requisite: CRIM 325 and junior standing or greater.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 4 hrs.

### **CRIM 420 - Drugs and Society**

Units: 4  
Why are some drugs legal while others are illegal? Explore social and historical processes shaping drug policy and the causes and consequences of the use and abuse of Consciousness-altering substances.  
Division: Upper Division  
Requisites: Pre-requisite: CRIM 225 or CRIM 225S or SOC 225S; junior standing or greater.  
Permission to enroll: No Special Consent Required  
Grading mode: Mandatory Letter Grade  
Weekly: Seminar 4 hrs.

### **CRIM 430 - Law and Dissent**

Units: 4  
Law and social change. Law as technology of criminalizing and co-opting social movements. Mechanisms for appealing to State for rights and recognition. Civil disobedience, policing protests, and political prisoners.  
Division: Upper Division  
Requisites: Pre-requisite: CRIM 225 or CRIM 225S or SOC 225S; junior standing or greater.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 4 hrs.

### **CRIM 431 - Juvenile Delinquency**

Units: 4  
Contemporary knowledge; community response; prevention, rehabilitation.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 4 hrs.

### **CRIM 433 - Punishment and Justice in Cross-National Perspective**

Units: 4  
Comparative examination of punishment and justice from primitive to contemporary societies and cross-culturally. Focus is on structural forces and impacted communities.  
Division: Upper Division  
Requisites: Pre-requisite: junior standing or greater.  
Permission to enroll: No Special Consent Required  
Grading mode: Mandatory Letter Grade  
Weekly: Seminar 4 hrs.

### **CRIM 455 - Policing Bodies: A Biopolitical History of Race, Riots and Surveillance**

Units: 4  
Examines the evolution of policing in direct relation to the social, political, and economic tensions of different historical moments.  
Division: Upper Division  
Requisites: Pre-requisite: CRIM 225 or CRIM 225S or SOC 225S; junior standing or greater.  
Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis  
Sustainability: Sustainability Related  
Weekly: Seminar 4 hrs.

## Critical Race, Gender & Sexuality Studies

### CRGS 108 - Power/Privilege: Gender and Race, Sex, Class

Units: 3  
How gender is shaped by race, class, and sexuality. Analyze relations of power and privilege within contemporary US society.  
Division: Lower Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE D: Social Sciences  
All University Requirements: DCG: Domestic  
Sustainability: Sustainability Related  
Weekly: Lecture 3 hrs.

### CRGS 118 - College Skills

Units: 2  
College Skills supports student learning in CRGS 108: Power/Privilege. Must be concurrently enrolled in the specified EOP section of CRGS 108.  
Division: Lower Division  
Requisites: Co-requisite: CRGS 108.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 1 hr. Activity 2 hrs.

### CRGS 235 - Act to End Sexualized Violence

Units: 1  
Cross-listed with: ANTH 235, COMM 235, PSCI 235, SOC 235  
Analyze how sexualized violence impacts communities and operates as social control; learn to recognize victim-blaming, promote survivor centered responses, foreground enthusiastic consent, and take action to transform our campus community.  
Division: Lower Division  
Permission to enroll: No Special Consent Required  
Grading mode: Mandatory CR/NC  
Weekly: Lecture 1 hr.

### CRGS 280 - Selected Topics in Critical Race, Gender and Sexuality Studies

Units: 1-4  
Division: Lower Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture hrs TBD

### CRGS 313 - Community Activism

Units: 3  
Cross-listed with: EDUC 313  
Develop organizational and activist skills, understand how social change occurs, link theory to concrete organizing practice in the community. course blends critical analysis of organizing theories/methods with hands-on projects.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
All University Requirements: DCG: Domestic  
Sustainability: Sustainability Related  
Weekly: Lecture 3 hrs.

### CRGS 321 - Trans\* Lives and Theory

Units: 3  
Intro to trans\* lives and theory utilizing intersectional and multicultural

approach. Topics include: trans\* experiences; theories of trans\* identity; gender and diagnosis; gender justice; trans\* feminism and coalition building.

Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs.

### CRGS 331 - Radical Futures: Race, Environment, and Social Justice

Units: 3  
Examine global environmental justice movements responding to colonialism, racial capitalism, neoliberalism. Interrogate science, modernity and progress; contrast with decolonial futures. Multiple disciplinary perspectives: critical ethnic studies, decoloniality, history, art, film studies, social science.  
Division: Upper Division  
Requisites: Pre-requisite: sophomore standing or higher.  
Recommended Preparation: CRGS 108, ES 105, WS 106  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Focused  
Weekly: Lecture 3 hrs.

### CRGS 360 - Race, Gender and US Law

Units: 4  
How are race, gender, and sexuality constructed and regulated in U.S. law? How have activists challenged such regulations? Discussion of slavery, miscegenation, eugenics, birth control, marriage, welfare, and affirmative action.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
All University Requirements: DCG: Domestic  
Weekly: Lecture 4 hrs.

### CRGS 390 - Theory and Methods

Units: 4  
Introduces critical social theories informing Ethnic, Women's and Multicultural Queer Studies. Explores workings of power, construction of the subject, dynamics of resistance, and conceptual bases of liberation movements. Emphasis rotates.  
Division: Upper Division  
Requisites: Pre-requisite: ES 105 or WS 106 or WS 107 or CRGS 108.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
All University Requirements: DCG: Non-Domestic  
Weekly: Lecture 4 hrs.

### CRGS 430 - Decolonizing Gender and Sexuality

Units: 4  
Explore how gender and sexuality are central to racial capitalism, colonialism, nationalism, and politicized religion. Examine how scholars/activists/artists draw upon the past to reimagine gender, sexuality, body, nation, land, and economy to envision decolonized futures.  
Division: Upper Division  
Requisites: Pre-requisite: sophomore standing or higher. Recommended Preparation: CRGS 331, CRGS 390  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Related  
Weekly: Lecture 4 hrs.

### CRGS 480 - Selected Topics in Critical Race, Gender and Sexuality Studies

Units: 1-4  
Division: Upper Division  
Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture hrs TBD

### **CRGS 482 - Internship**

Units: 1-3  
Supervised internship in organization or institution. Workplace cultures; policy development/review; plan implementation. May lead to community service project (WS 420).  
Division: Upper Division  
Requisites: Pre-requisite: CRGS 108 or ES 105 or ES 106 or WS 106 or WS 107.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Academic internship course: Yes  
Weekly: Supervision hrs TBD

### **CRGS 485 - Professional Development**

Units: 1  
Majors link their experiences and knowledge with tools for obtaining entry-level positions; internships; graduate and professional program admission. Self-care strategies; resume, cover letter, CV, and statement of purpose writing; mock interview.  
Division: Upper Division  
Requisites: Pre-requisite: CRGS 108 and junior standing or above.  
Recommended Preparation: CRGS 313, CRGS 360, CRGS 390.  
Permission to enroll: No Special Consent Required  
Grading mode: Mandatory CR/NC  
Weekly: Seminar 1 hr.

### **CRGS 491 - Mentoring**

Units: 1-2  
Advanced majors gain experience as teaching assistants working with a diverse body of students.  
Division: Upper Division  
Repeats: Repeatable for Credit  
Permission to enroll: Instructor Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Supervision hrs TBD

## **Dance**

### **DANC 103 - Modern/Contemporary I**

Units: 3  
Use contemporary dance as base for exploring dance as art form. Full-body technique, mind-body integration, and creative methods and structures. American dance pioneers.  
Division: Lower Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE C1: Arts  
Zero cost course materials: No Course Materials Required  
Weekly: Lecture 2 hrs. Activity 2 hrs.

### **DANC 103T - Modern/Contemporary I Skills Maintenance**

Units: 1  
Contemporary dance at the beginning level. Offered in conjunction with DANC 103 in order for students to maintain skills in modern dance techniques.  
Division: Lower Division  
Repeats: Repeatable for Credit  
Permission to enroll: Instructor Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Tutorial hrs TBD

### **DANC 104 - Modern/Contemporary II**

Units: 3  
Continue using contemporary dance forms to increase technical proficiency, endurance, and performance skills. Required for dance studies majors and dance minors.  
Division: Lower Division  
Requisites: Pre-requisite: DANC 103 or IA.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE C1: Arts  
Zero cost course materials: No Course Materials Required  
Weekly: Lecture 2 hrs. Activity 2 hrs.

### **DANC 104T - Modern/Contemporary II Skills Maintenance**

Units: 1  
Continued study of dance techniques at the intermediate level. Offered in conjunction with DANC 104 in order for students to maintain skills in modern dance techniques.  
Division: Lower Division  
Repeats: Repeatable for Credit  
Permission to enroll: Instructor Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Tutorial hrs TBD

### **DANC 110 - Ballet I**

Units: 2  
Techniques, methods of traditional ballet for students at the beginning level.  
Division: Lower Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Activity 4 hrs.

### **DANC 110T - Ballet I Skills Maintenance**

Units: 1  
Beginning level of ballet technique. Offered in conjunction with DANC 110. Students will continue to maintain dance technique.  
Division: Lower Division  
Repeats: Repeatable for Credit  
Permission to enroll: Instructor Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Tutorial hrs TBD

### **DANC 120 - Jazz Dance Styles I**

Units: 2  
Techniques and choreography for beginners.  
Division: Lower Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Activity 4 hrs.

### **DANC 120T - Jazz Styles I Skills Maintenance**

Units: 1  
Beginning jazz techniques and choreography. Offered in conjunction with DANC 120. Students will continue to maintain dance technique.  
Division: Lower Division  
Repeats: Repeatable for Credit  
Permission to enroll: Instructor Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Tutorial hrs TBD

**DANC 240 - African Dance**

Units: 1

Learn dances, songs, and rhythms from various African regions and peoples. Experience African dance as prayer, celebration, a healing power, a demonstration of community, a joyful release of energy, and as an ecstatic connection to the universe.

Division: Lower Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Activity 2 hrs.

**DANC 241 - Hip-hop Dance**

Units: 1

Learn techniques of Hip-hop dance. This course is designed to develop your skills, knowledge, and appreciation of hip-hop dance through movement and creative experiences, video viewing, and discussion of cultural roots of this dance form.

Division: Lower Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: Zero Cost Course Materials

Weekly: Activity 2 hrs.

**DANC 243 - Tap Dance**

Units: 1

A study of tap dance and rhythmic patterned movements at the beginning level. Historical perspective and terminology will be included.

Division: Lower Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Activity 2 hrs.

**DANC 245 - Middle Eastern Dance**

Units: 1

A study of the ancient and ever-evolving Middle Eastern Dance art form with a strong focus on Egyptian styles. May also include American Cabaret and Tribal styles and examples of contemporary influences on traditional Middle Eastern Dance.

Division: Lower Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Activity 2 hrs.

**DANC 247 - Mexican Folklorico Dance**

Units: 1

Exploration of traditional Mexican dances and the historical and social context in which they are performed. Students will perform and become aware of dance terminology, steps, and style.

Division: Lower Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Activity 2 hrs.

**DANC 248 - Danza Azteca**

Units: 1

Learn and practice the movements, language, rhythms, rituals, drumming and use of percussive instruments in Aztec dance.

Understand Aztec dance as a means of cultural and spiritual revitalization and decolonization of the Nahua and other indigenous

peoples of Mexico.

Division: Lower Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Activity 2 hrs.

**DANC 287 - Choreography with Rhythmic Analysis**

Units: 1

Learn basic tenets of choreography along with music and rhythmic analysis as it related to dance composition. Musical phrasing, styles and genres, along with improvisational techniques, will be explored. Required for dance majors and minors.

Division: Lower Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: Zero Cost Course Materials

Weekly: Activity 2 hrs.

**DANC 303 - Dance in World Cultures**

Units: 3

Multicultural approach to dance as a key to cultural understanding. Discover and appreciate dance as a traditional, social, and artistic expression of world peoples. Required for dance studies majors and minor.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE UD Area C: Art &amp; Humanities

All University Requirements: DCG: Non-Domestic

Weekly: Lecture 2 hrs. Activity 2 hrs.

**DANC 310 - Ballet II**

Units: 2

For those at the intermediate level of ballet technique.

Division: Upper Division

Requisites: Pre-requisite: DANC 110 or IA.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Activity 4 hrs.

**DANC 310T - Ballet II Skills Maintenance**

Units: 1

Intermediate level of ballet technique. Offered in conjunction with DANC 310. Students will continue to maintain dance technique.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: Instructor Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Tutorial hrs TBD

**DANC 320 - Jazz Dance Styles II**

Units: 2

Intermediate techniques and choreography.

Division: Upper Division

Requisites: Pre-requisite: DANC 120 or IA.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Activity 4 hrs.

**DANC 320T - Jazz Styles II Skills Maintenance**

Units: 1

Intermediate techniques and choreography. Offered in conjunction with DANC 320. Students will continue to maintain dance technique.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: Instructor Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Tutorial hrs TBD

### **DANC 330 - Modern/Contemporary III**

Units: 2

Contemporary dance styles at the intermediate/ advanced level.

Enhance technical skills and performance artistry.

Division: Upper Division

Requisites: Pre-requisite: DANC 104 or IA.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Activity 4 hrs.

### **DANC 330T - Modern/Contemporary III Skills Maintenance**

Units: 1

Continued study of contemporary dance techniques at the high intermediate/ advanced level. Offered in conjunction with DANC 330 in order for students to maintain skills in modern dance technique.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: Instructor Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Tutorial hrs TBD

### **DANC 350 - Dance Science**

Units: 2

Learn the general structure and function of the musculoskeletal systems as related to dance training and performance. Basic anatomy, biomechanics and the care and prevention of dance injuries are examined. Required for dance majors.

Division: Upper Division

Requisites: Pre-requisite: sophomore standing or above

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 2 hrs.

### **DANC 352 - Bodyworks**

Units: 3

A somatic, self-awareness and expressive movement class. Using Eastern and Western movement practices, students will enhance general wellness, physical skills, and mind/body connections while gaining tools for life long discovery.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Lecture 2 hrs. Activity 2 hrs.

### **DANC 354 - Teaching of Dance**

Units: 2

Learn basic tenets of teaching dance in a variety of settings. Integrate pedagogical knowledge with various dance techniques and creative skills. Learn how to organize and adapt lesson plans to the diverse interests and abilities of learners.

Division: Upper Division

Requisites: Pre-requisite: sophomore standing or above. Dance Studies,

Liberal Studies Elementary Education, or Kinesiology majors.

Recommended Preparation: DANC 103, DANC 110 or DANC 120.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: Zero Cost Course Materials

Weekly: Activity 4 hrs.

### **DANC 380 - Special Topics in Dance - Activity Based**

Units: 1-3

\* Special topics in dance studies to be determined by program need and student interest. Topics vary.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: Zero Cost Course Materials

Weekly: Activity hrs TBD

### **DANC 389 - Choreography II**

Units: 2

Use of improvisational dance techniques as a tool for development of choreography. Emphasis on student choreography. Opportunity to develop skills in interdisciplinary creation and collaboration. Required for dance majors and minors.

Division: Upper Division

Requisites: Pre-requisite: DANC 287

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Activity 4 hrs.

### **DANC 480 - Special Topics in Dance**

Units: 1-4

Special topics in dance studies to be determined by program need and student interest. Topics vary.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: Zero Cost Course Materials

Weekly: Lecture hrs TBD

### **DANC 488 - Dance Performance Ensemble**

Units: 1-4

Rehearse and perform selected dance choreography. Emphasis on dance technique, performance skills, and collaboration.

Division: Upper Division

Requisites: Pre-requisite: audition or IA. Co-requisite: enrollment in dance class of appropriate genre or IA.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Tutorial hrs TBD

### **DANC 489 - Dance Theatre Production**

Units: 3

Rehearse and co-produce a dance concert. Emphasis on collaborative and leadership skills. Provides "behind the scenes" aspects of concert production, and allows skills development in the organization and implementation of a production. Required for dance majors.

Division: Upper Division

Requisites: Pre-requisites: Audition, Interdisciplinary Studies, Dance Studies major, sophomore or higher standing, or instructor approval.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: Zero Cost Course Materials

Weekly: Lecture 1 hr. Activity 4 hrs.

### **DANC 499 - Directed Study**

Units: 1-4

Independent study, studio instruction, and/or supervised activities.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: Zero Cost Course Materials

Weekly: Supervision hrs TBD

## **Economics**

### **ECON 104 - Contemporary Topics in Economics**

Units: 3

Analyze contemporary issues, including multicultural issues. Employ principles of microeconomics, macroeconomics, and the economics of discrimination and public choice. Economics' role as a social science assisting in understanding causes, effects, and possible policies for current problems.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE D: Social Sciences

Sustainability: Sustainability Related

Weekly: Lecture 3 hrs.

### **ECON 210 - Principles of Economics**

Units: 4

Learn economic fundamentals. Microeconomic behavior of consumers and firms. Different market structures and government policies.

Macroeconomic concepts including business cycles, unemployment, inflation, and growth. Effects of fiscal and monetary policy.

Recommended preparation: GE math or statistics and/or more advanced math courses.

Division: Lower Division

Requisites: Pre-requisite: Math placement category I, II or III.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Related

Weekly: Lecture 4 hrs.

### **ECON 210L - Supplemental Instruction**

Units: 1

Structured activities, problem-sets, experiments, games, and review sessions geared toward helping students understand content, improve problem-solving skills, and enhance performance in ECON 210.

Division: Lower Division

Requisites: Co-requisite: ECON 210.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Mandatory CR/NC

Zero cost course materials: No Course Materials Required

Weekly: Tutorial hrs TBD

### **ECON 280 - Special Topics in Economics**

Units: 1-4

Supplemental activities for ECON courses.

Division: Lower Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Activity hrs TBD

### **ECON 305 - International Economics and Globalization**

Units: 3

Economic theories of trade and finance. Evaluate effects of world trading system and globalization. Debate role of international institutions (WTO & IMF). Case studies on free trade areas, financial

crises, protectionist policies, and labor/environmental issues.

Economics and business administration majors MUST co-enroll in ECON 305D.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE UD Area D: Social Sciences

Sustainability: Sustainability Related

Weekly: Lecture 3 hrs.

### **ECON 305D - International Economics and Globalization -**

#### **Additional Depth**

Units: 1

Additional depth of content for ECON 305. Students receive single grade or combined four units of ECON 305 and ECON 305D.

Division: Upper Division

Requisites: Pre-requisite: ECON 210. Co-requisite: ECON 305.

Permission to enroll: No Special Consent Required

Grading mode: Mandatory Letter Grade

Weekly: Seminar 1 hr.

### **ECON 306 - Economics of the Developing World**

Units: 3

Explore economic theory underlying development policies. Evaluate World Bank & IMF policy. Case studies covering poverty, inequality, trade & growth policy, debt issues, health, education, population, sustainable development, women in agriculture. Economics and business administration majors MUST co-enroll in ECON 306D.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE UD Area D: Social Sciences

All University Requirements: DCG: Non-Domestic

Sustainability: Sustainability Focused

Weekly: Lecture 3 hrs.

### **ECON 306D - Economics of the Developing World - Additional Depth**

Units: 1

Additional depth of content for ECON 306. Students receive single grade for combined four units of ECON 306 and ECON 306D.

Division: Upper Division

Requisites: Pre-requisite: ECON 210. Co-requisite: ECON 306.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Focused

Weekly: Seminar 1 hr.

### **ECON 308 - History of Economic Thought**

Units: 3

From Greeks/Romans to modern times. Changing thought on enduring questions of efficiency and justice. Great debates over trade, price control, socialism, and limits to growth, as reflected in works from Plato to Marx, Keynes, and Kuznets. Economics and business administration majors MUST co-enroll in ECON 308D.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE UD Area D: Social Sciences

Sustainability: Sustainability Related

Weekly: Lecture 3 hrs.

### **ECON 308D - History of Economic Thought - Additional Depth**

Units: 1

Additional depth of content for ECON 308. Students receive single grade for combined four units of ECON 308 and ECON 308D.

Division: Upper Division

Requisites: Pre-requisite: ECON 210. Co-requisite: ECON 308.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis  
Sustainability: Sustainability Related  
Weekly: Seminar 1 hr.

### **ECON 309 - Economics of a Sustainable Society**

Units: 3  
Interpret meaning of sustainable economy. Techniques for measuring economic performance using sustainability standard. Analyze domestic and international policies consistent with a sustainable economy. Economics and business administration majors MUST co-enroll in ECON 309D.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE UD Area D: Social Sciences  
Sustainability: Sustainability Focused  
Weekly: Lecture 3 hrs.

### **ECON 309D - Economics of a Sustainable Society - Additional Depth**

Units: 1  
Additional depth of content for ECON 309. Students receive single grade for combined four units of ECON 309 and ECON 309D.  
Division: Upper Division  
Requisites: Pre-requisite: ECON 210. Co-requisite: ECON 309.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Focused  
Weekly: Seminar 1 hr.

### **ECON 310 - Intermediate Microtheory and Strategy**

Units: 4  
Price determination in markets for goods, services, and resources. Utility and indifference analysis of demand. Isoquant analysis of production. Supply determination under competitive and noncompetitive conditions.  
Division: Upper Division  
Requisites: Pre-requisite: completed GE math or higher; ECON 210.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 4 hrs.

### **ECON 310L - Supplemental Instruction**

Units: 1  
Structured activities, problem sets, experiments, games and review sessions geared toward helping students understand content, improve problem-solving skills, and succeed in ECON 310.  
Division: Upper Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Mandatory CR/NC  
Zero cost course materials: No Course Materials Required  
Weekly: Tutorial hrs TBD

### **ECON 311 - Intermediate Macroeconomics**

Units: 4  
Critique macroeconomic models, including macrodynamics and the microeconomic foundation of macroeconomic theory. Fiscal and monetary policy impacts on income, employment, interest rates, economic growth, inflation.  
Division: Upper Division  
Requisites: Pre-requisite: completed GE math or higher; ECON 210.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Related  
Weekly: Lecture 4 hrs.

### **ECON 323 - Economic History of the US**

Units: 3  
Trace development of American economy and underlying economic, legal, and social institutions. Interaction among economic, social, and political conditions. Critique conventional wisdom on economic interpretation of historical issues, such as the revolution, Civil War, and slavery. Fulfills legislature-mandated requirement in US history. Economics and business administration majors MUST co-enroll in ECON 323D.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
All University Requirements: Amer Inst: U.S. History ONLY  
Sustainability: Sustainability Related  
Weekly: Lecture 3 hrs.

### **ECON 323D - Economic History of the U.S. - Additional Depth**

Units: 1  
Additional depth of content for ECON 323. Students receive single grade for combined four units of ECON 323 and ECON 323D.  
Division: Upper Division  
Requisites: Co-requisite: ECON 323.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 1 hr.

### **ECON 387 - International Education Colloquium**

Units: 1  
Cross-listed with: ANTH 387, COMM 387, GEOG 387, HIST 387, INTL 387, PSCI 387  
Earn credit by attending International Education Week events and participating in an online discussion forum. Mandatory pre-event meeting.  
Division: Upper Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Mandatory CR/NC  
Sustainability: Sustainability Related  
Zero cost course materials: No Course Materials Required  
Weekly: Lecture 1 hr.

### **ECON 423 - Environmental and Natural Resources Economics**

Units: 3  
Apply economic principles to public policies and management of natural resources (water, air, fisheries, forestry). Benefit/ cost and economic impact analyses. Economics and business administration majors MUST co-enroll in ECON 423D.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Focused  
Weekly: Lecture 3 hrs.

### **ECON 423D - Environmental and Natural Resources Economics - Additional Depth**

Units: 1  
Additional depth of content for ECON 423. Students receive single grade for combined four units of ECON 423 and ECON 423D.  
Division: Upper Division  
Requisites: Pre-requisite: ECON 210. Co-requisite: ECON 423.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Focused  
Weekly: Seminar 1 hr.

### **ECON 435 - Principles of Money and Banking**

Units: 4  
Nature and function of financial institutions and Federal Reserve System in US economy. Monetary and fiscal policy and the international financial system. Implications of recent financial system

deregulation legislation.

Division: Upper Division

Requisites: Pre-requisite: ECON 210.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 4 hrs.

### **ECON 450 - Energy Economics and Climate Policy**

Units: 4

Intro to energy market economics and institutions. Climate-change policies and impacts. Economic tools for reducing greenhouse-gas emissions. Economic analysis of energy efficiency and renewable energy projects.

Division: Upper Division

Requisites: Pre-requisite: ECON 104 or ECON 210.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Focused

Weekly: Seminar 4 hrs.

### **ECON 470S - Sustainable Rural Economic Development**

Units: 4

Role of development practitioner. Analyze rural economic development theory and strategies required for sustained growth and job creation consistent with community values. Local speakers; cases; field trip; service-learning component.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Mandatory Letter Grade

Sustainability: Sustainability Focused

Service learning course: Yes

Weekly: Seminar 3 hrs. Tutorial hrs TBD

### **ECON 480 - Special Topics in Economics**

Units: 1-4

Topics of current issues.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture hrs TBD

### **ECON 482 - Small Business Development Center Economic Development Internship**

Units: 3

Learn about economic development and the role of Small Business Development Center (SBDC) and prepare for summer internship with SBDC. Internship approval required.

Division: Upper Division

Permission to enroll: Instructor Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: Zero Cost Course Materials

Weekly: Seminar 1 hr. Tutorial hrs TBD

### **ECON 490 - Capstone Experience**

Units: 2

Develop career planning tools and skills. Produce a portfolio that articulates proficiency of program learning outcomes. Produce a legacy project.

Division: Upper Division

Requisites: Pre-requisite: Senior standing, Economics or business administration: economics majors only.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Seminar 2 hrs.

### **ECON 499 - Directed Study**

Units: 1-4

For advanced students upon Instructor Approval.

Division: Upper Division

Permission to enroll: Instructor Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Supervision hrs TBD

### **ECON 550 - Economics of Energy and Climate Policy**

Units: 4

Economics of energy markets and regulatory institutions. Climate-change policies and impacts. Economic tools for reducing greenhouse-gas emissions. Economic analysis of energy efficiency and renewable energy projects.

Division: Graduate

Requisites: Pre-requisite: MATH 101 or MATH 101I or MATH 102 or equivalent (C), graduate standing.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Focused

Weekly: Seminar 4 hrs.

### **ECON 570S - Sustainable Rural Economic Development**

Units: 4

Role of development practitioner. Analyze rural economic development theory and strategies required for sustained growth and job creation consistent with community values. Local speakers; cases; field trip; service-learning component.

Division: Graduate

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Focused

Service learning course: Yes

Weekly: Seminar 3 hrs. Tutorial hrs TBD

### **ECON 580 - Special Topics in Economics**

Units: 1-4

Use established methods of economic inquiry. When possible, explore interdisciplinary elements.

Division: Graduate

Repeats: Repeatable for Credit

Permission to enroll: Instructor Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar hrs TBD

### **ECON 699 - Directed Study**

Units: 1-4

Open to grad students with Instructor Approval.

Division: Graduate

Permission to enroll: Instructor Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Supervision hrs TBD

## **Education**

See also Educational Leadership, Elementary Education, Liberal Studies/Elementary Education, Secondary Education or Special Education.

### **EDUC 101 - Creando Raíces: Identity, Community Building and Social Justice**

Units: 3

Develop skills related to community building and engagement from a social justice perspective. Apply the knowledge and experiences you bring to connect with the Cal Poly Humboldt campus and local community. Explore discourses and definitions of citizenship and social justice, community building initiatives, related majors and programs,



and career opportunities. Learn how to be successful in life, community organizing and college.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Mandatory Letter Grade

General Education: GE E: Lifelong Learning

Weekly: Lecture 3 hrs.

### **EDUC 110 - Introduction to Education**

Units: 1

Contemporary issues and problems.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 1 hr.

### **EDUC 180 - Special Topics**

Units: 0.5-4

Topics of current interest.

Division: Lower Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar hrs TBD

### **EDUC 285 - Technology Skills for Educators**

Units: 3

Introduces computer novice to wide variety of computing topics and terminology in preparation for teaching career. Hands-on activities develop basic skills in many common computer applications.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Mandatory CR/NC

Weekly: Lecture 3 hrs.

### **EDUC 313 - Community Activism**

Units: 3

Cross-listed with: CRGS 313

Develop organizational and activist skills, understand how social change occurs, link theory to concrete organizing practice in the community. course blends critical analysis of organizing theories/methods with hands-on projects.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

All University Requirements: DCG: Domestic

Weekly: Lecture 3 hrs.

### **EDUC 318 - LGBTQIA+ Issues in Schools**

Units: 3

Cross-listed with: WS 318

Examine policy and pedagogical issues related to full participation of LGBTQIA+ people of diverse races, classes, abilities, and ethnicities in K-12 schools in the United States.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

All University Requirements: DCG: Domestic

Weekly: Lecture 3 hrs.

### **EDUC 377 - Education of Exceptional Individuals**

Units: 2

Cross-listed with: SPED 777

Introduction to core concepts, specific terms, and definitions related to special populations in education. Specific educational support needs and effective techniques of instruction will be presented.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 2 hrs.

### **EDUC 380 - Special Topics**

Units: 0.5-4

Topics of current interest.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar hrs TBD

### **EDUC 480 - Special Topics**

Units: 0.5-4

Topics of current interest.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar hrs TBD

### **EDUC 580 - Special Topics**

Units: 0.5-4

Topics of current interest.

Division: Graduate

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar hrs TBD

### **EDUC 610 - Education in Society**

Units: 3

Prepares educational leaders who understand the purposes of education in a democracy and the competing social, economic, and political values that affect education and schooling in the United States.

Division: Graduate

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Related

Weekly: Seminar 3 hrs.

### **EDUC 620 - Pedagogy: Practice and Research**

Units: 3

Interplay between educators' experience and thinking; educational theories; questions about methodologies, and actions educators take to investigate them as they foster their own professional development.

Division: Graduate

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 3 hrs.

### **EDUC 645 - Academic Writing in Education**

Units: 2

This course, taken in conjunction with EDUC 655 which focuses on the fundamentals of doing academic research, assists students in learning to write about their research utilizing an academic voice.

Division: Graduate

Requisites: Co-requisite: EDUC 655

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 2 hrs.

### **EDUC 655 - Educational Research**

Units: 3

Research design. Ethical and practical problems related to conducting research in educational settings.

Division: Graduate

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 3 hrs.

### **EDUC 665 - Qualitative Methods in Educational Research**

Units: 3

Overview: modes of inquiry used in qualitative educational research.

Division: Graduate

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 3 hrs.

### **EDUC 680 - Special Topics**

Units: 0.5-4

Topics of current interest.

Division: Graduate

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar hrs TBD

### **EDUC 682 - Mixed Methods in Education Research**

Units: 4

An introduction to the philosophical/ theoretical foundations and applications of mixed methods research in education. Students complete and present a mixed methods pilot study to investigate tools and processes for their thesis research.

Division: Graduate

Requisites: Pre-requisite: EDUC 655.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Lecture 4 hrs.

### **EDUC 690 - Thesis**

Units: 1-3

Restricted to students in education grad program.

Division: Graduate

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Mandatory CR/NC

Zero cost course materials: No Course Materials Required

Weekly: Supervision hrs TBD

### **EDUC 692 - Master's Project**

Units: 1-3

Division: Graduate

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Supervision hrs TBD

### **EDUC 699 - Independent Study**

Units: 0.5-3

Selected problems.

Division: Graduate

Requisites: Pre-requisite: grad standing and IA.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Supervision hrs TBD

## **Educational Leadership**

### **EDL 642 - Curriculum: Development and Governance**

Units: 3

Structure and organization of curriculum. Historical, traditional, and contemporary influences. Problems related to governance, leadership, procedures, and implementation.

Division: Credential/Licensure

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 3 hrs.

### **EDL 645 - Personnel Administration and Supervision**

Units: 3

Issues related to school personnel procedures, from employment to retirement. Supervision of instruction, employee evaluation, collective bargaining.

Division: Credential/Licensure

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 3 hrs.

### **EDL 646 - The Principal: Leader and Administrator**

Units: 3

Role and responsibilities of principal. Leadership concepts, decision making techniques, school organization, community relations, school climate, curriculum administration, and categorically funded projects.

Division: Credential/Licensure

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 3 hrs.

### **EDL 647 - Practicum: Diversity Issues and School Administration**

Units: 2

Class assessment of contemporary issues most important for future school administrators.

Division: Credential/Licensure

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 2 hrs.

### **EDL 648 - Legal and Fiscal Aspects of School Administration**

Units: 3

California Education Code and significant court cases. State and federal funding of schools. California funding formulas; school and district budgeting procedures. Court decisions and case analyses.

Division: Credential/Licensure

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 3 hrs.

### **EDL 649 - Ethics and School Administration**

Units: 1

Review personal, institutional, and community values. Clarify their conflict and impact on school administration and leadership.

Division: Credential/Licensure

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 1 hr.

### **EDL 660 - Technology and School Management**

Units: 2

School administrator's role/responsibility in providing leadership in computer technology and improved delivery and management of educational programs. Media technology for the instructional program.

Division: Credential/Licensure

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 2 hrs.

### **EDL 680 - Special Topics**

Units: 1-5

Division: Credential/Licensure

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture hrs TBD

### **EDL 694 - Elementary School Administration Fieldwork**

Units: 3

This is a course required to learn and develop skills to become a school administrator. The fieldwork hours supply candidates with practical, actual experience in the elementary setting.

Division: Credential/Licensure

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Supervision hrs TBD

### **EDL 695 - Secondary School Administration Fieldwork**

Units: 3

This is a course required to learn and develop skills to become a school administrator. The fieldwork hours supply candidates with practical, actual experience in the secondary setting.

Division: Credential/Licensure

Requisites: Pre-requisite: 5 years of full time teaching experience.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Supervision hrs TBD

### **EDL 696 - Fieldwork and Final Evaluation Seminar**

Units: 1

Procedures and expectations related to fieldwork experiences. Develop Individual Educational Plan (IEP) for fieldwork experience.

Division: Credential/Licensure

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 1 hr.

## **Elementary Education**

### **EED 210 - Direct Experience with Children**

Units: 1

Field experience with K-8 students. Prospective teachers assigned placements to observe/participate in public school classrooms and maintain log. Minimum 45 hours required. Meets prior fieldwork experience admission requirement for EED credential program.

Division: Lower Division

Requisites: Co-requisite: EED 310.

Permission to enroll: No Special Consent Required

Grading mode: Mandatory CR/NC

Zero cost course materials: No Course Materials Required

Weekly: Tutorial hrs TBD

### **EED 310 - Exploring Teaching as a Career**

Units: 1

Introduces teaching profession. Prospective teachers assess own interest and potential in elementary education based on participation in EED 210 field experience or approved alternative.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 1 hr.

### **EED 701 - Selected Topics**

Units: 0.5-3

Topic relevant to teaching in today's world.

Division: Credential/Licensure

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar hrs TBD

### **EED 708 - Teacher Performance Assessment Support I**

Units: 1

Support and instruction in completing the Performance Assessment for Teachers.

Division: Credential/Licensure

Permission to enroll: No Special Consent Required

Grading mode: Mandatory CR/NC

Weekly: Seminar 1 hr.

### **EED 709 - Teacher Performance Assessment Support 2**

Units: 1

Topics relevant to teaching in today's world: support and instruction in completing the Teacher Performance Assessment.

Division: Credential/Licensure

Permission to enroll: No Special Consent Required

Grading mode: Mandatory CR/NC

Weekly: Seminar 1 hr.

### **EED 712 - Teaching and Learning in Elementary Education**

Units: 1

Development of student understanding; curriculum development (unit goals, lesson plans, assessment); multicultural perspectives in teaching and learning; philosophy of teaching.

Division: Credential/Licensure

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 1 hr.

### **EED 720 - The School and the Student**

Units: 0.5-3

F/S. Seminar in foundations of teaching. Credential candidate studies development characteristics of school-age child, issues facing elementary schools and teachers, effective teaching practices, and a variety of approaches to classroom management and discipline.

Division: Credential/Licensure

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar hrs TBD

### **EED 720B - The School and the Student**

Units: 0.5-3

F/S. Seminar in foundations of teaching. Credential candidate studies development characteristics of school-age child, issues facing elementary schools and teachers, effective teaching practices, and a variety of approaches to classroom management and discipline.

Division: Credential/Licensure

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar hrs TBD

### **EED 721 - Multicultural Foundations**

Units: 0.5-2

F/S. Become culturally competent educator. Develop knowledge, attitudes, and skills to promote educational excellence and equity in elementary classrooms. How personal cultural values, biases, and institutional practices influence cross-cultural interactions.

Division: Credential/Licensure

Requisites: Pre-requisite: admitted to EED program.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar hrs TBD

### **EED 722 - English Language Skills and Reading**

Units: 0.5-3

F/S. Methods of developing English language skills, including reading. Design and implement programs in which all can participate successfully, including pupils from culturally and linguistically diverse backgrounds. Meets CCTC competency requirements for reading instruction in elementary school.

Division: Credential/Licensure

Requisites: Pre-requisite: admitted to EED program or IA.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar hrs TBD

### **EED 722B - English Language Skills and Reading**

Units: 0.5-3  
F/S. Methods of developing English language skills, including reading. Design and implement programs in which all can participate successfully, including pupils from culturally and linguistically diverse backgrounds. Meets CCTC competency requirements for reading instruction in elementary school.  
Division: Credential/Licensure  
Requisites: Pre-requisite: admitted to EED program or IA.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar hrs TBD

### **EED 723 - Integrating Math/Science in Elementary School**

Units: 0.5-4  
F/S. Content, methods, and materials for teaching mathematics and science in an integrated elementary classroom. Classroom management of activities/materials, planning lessons, using technology, evaluating learning, integrating math and science with other content areas.  
Division: Credential/Licensure  
Requisites: Pre-requisite: admitted to EED program.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar hrs TBD

### **EED 723B - Integrating Math/Science in Elementary School**

Units: 0.5-4  
F/S. Content, methods, and materials for teaching mathematics and science in an integrated elementary classroom. Classroom management of activities/materials, planning lessons, using technology, evaluating learning, integrating math and science with other content areas.  
Division: Credential/Licensure  
Requisites: Pre-requisite: admitted to EED program.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar hrs TBD

### **EED 724 - Fine Arts in the Integrated Elementary Curriculum**

Units: 0.5-1  
F/S. Appropriate content, methods, and materials for teaching art, dance, music, and drama as part of an integrated curriculum in elementary classrooms. Lesson planning, classroom management of activities/materials, creative expression, aesthetic perception, integrating fine arts with other content areas.  
Division: Credential/Licensure  
Requisites: Pre-requisite: admitted to EED program.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar hrs TBD

### **EED 724B - Fine Arts in the Integrated Elementary Curriculum**

Units: 0.5-1  
F/S. Appropriate content, methods, and materials for teaching art, dance, music, and drama as part of an integrated curriculum in elementary classrooms. Lesson planning, classroom management of activities/materials, creative expression, aesthetic perception, integrating fine arts with other content areas.  
Division: Credential/Licensure  
Requisites: Pre-requisite: admitted to EED program.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar hrs TBD

### **EED 726 - Professional Development Seminar**

Units: 0.5-1  
F/S. Promote professional growth using California Standards for the Teaching Profession. Incorporate reflective journals and portfolios. Information on credentialing process and job search strategies.  
Division: Credential/Licensure  
Requisites: Pre-requisite: admitted to EED program.  
Permission to enroll: No Special Consent Required  
Grading mode: Mandatory CR/NC  
Weekly: Seminar hrs TBD

### **EED 726B - Professional Development Seminar**

Units: 0.5-1  
F/S. Promote professional growth using California Standards for the Teaching Profession. Incorporate reflective journals and portfolios. Information on credentialing process and job search strategies.  
Division: Credential/Licensure  
Requisites: Pre-requisite: admitted to EED program.  
Permission to enroll: No Special Consent Required  
Grading mode: Mandatory CR/NC  
Weekly: Seminar hrs TBD

### **EED 728 - History/Social Science in the Integrated Elementary Curriculum**

Units: 0.5-2  
F/S. Content, methods, and materials for teaching history/ social science as part of integrated curriculum in the elementary classroom. Classroom management of activities/materials, planning lessons, use of technology, evaluating learning, integrating history/social science with other content areas.  
Division: Credential/Licensure  
Requisites: Pre-requisite: admitted to EED program.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar hrs TBD

### **EED 728B - History/Social Science in the Integrated Elementary Curriculum**

Units: 0.5-2  
Content, methods, and materials for teaching history/social science as part of integrated curriculum in the elementary classroom. Classroom management of activities/materials, planning lessons, use of technology, evaluating learning, integrating history/social science with other content areas.  
Division: Upper Division  
Requisites: Pre-requisite: Admitted to the Elementary Education Credential Program  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 0.5 hrs.

### **EED 733 - Teaching English Learners**

Units: 1  
F/S. Development of basic knowledge, skills, and strategies for teaching English learners.  
Division: Credential/Licensure  
Requisites: Pre-requisite: admitted to EED program.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 1 hr.

### **EED 733B - Teaching English Learners**

Units: 1  
F/S. Development of basic knowledge, skills, and strategies for teaching English learners.  
Division: Credential/Licensure  
Requisites: Pre-requisite: admitted to EED program and EED 733.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 1 hr.

### **EED 741 - Health and PE Curriculum in Elementary School**

Units: 2

Provides prospective teachers with the knowledge and skills to plan, teach, and evaluate health and physical education programs for K-8 classrooms.

Division: Credential/Licensure

Requisites: Pre-requisite: admitted to EED program.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 2 hrs.

### **EED 750 - Student Teaching in Elementary School**

Units: 8

Student teaching in elementary school setting, including small group, large group and co-teaching with mentor teacher while attending to children's socioeconomic and cultural backgrounds.

Division: Credential/Licensure

Requisites: Pre-requisite: admitted to EED program.

Permission to enroll: No Special Consent Required

Grading mode: Mandatory CR/NC

Sustainability: Sustainability Related

Weekly: Supervision hrs TBD

### **EED 758 - Student Teaching in Elementary School**

Units: 11

Student teaching in elementary school setting with mentor teacher and university supervision. Students begin spring semester student teaching in January completing the placement at the close of the public school year.

Division: Credential/Licensure

Requisites: Pre-requisite: admitted to EED program.

Permission to enroll: No Special Consent Required

Grading mode: Mandatory CR/NC

Sustainability: Sustainability Related

Weekly: Supervision hrs TBD

## **English**

### **ENGL 102 - Composition and Rhetoric A**

Units: 3

First semester of year-long course emphasizing analytical reading, critical thinking, and rhetoric. Writing developed through workshop, collaboration, reflection, and revision. Introduction to research.

Preparation for ENGL 103. Culminates in semester project.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Mandatory CR/NC

Weekly: Lecture 3 hrs.

### **ENGL 103 - Composition and Rhetoric B**

Units: 3

Second semester of year-long writing course. Emphasizes rhetorical knowledge, writing in multiple genres, and writing as a socially situated practice. Writing workshop, research, collaboration, and revision. Culminates in writing portfolio.

Division: Lower Division

Requisites: Pre-requisite: ENGL 102.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE A2: Written Communication

Weekly: Lecture 3 hrs.

### **ENGL 104 - Accelerated Composition and Rhetoric**

Units: 3

Accelerated writing course emphasizing rhetorical knowledge, writing in multiple genres, critical thinking, and writing as a socially situated practice. Writing workshop, research, collaboration, and revision. Culminates in writing portfolio.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE A2: Written Communication

Weekly: Lecture 3 hrs.

### **ENGL 104S - Accelerated Composition and Rhetoric**

Units: 3

Honing academic writing and reading skills. Emphasis on research strategies, synthesis, critical reading, rhetorical distinctions. Workshop, lecture, and collaborative learning. Final assessment based on writing portfolio. Incorporates Service Learning pedagogy.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE A2: Written Communication

Service learning course: Yes

Weekly: Lecture 3 hrs.

### **ENGL 105 - Literature, Media and Culture**

Units: 3

Study written, visual, and musical genres, with an emphasis on understanding their role as texts in culture. Develop skills and understanding as a thoughtful reader, viewer, and listener.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE C2: Humanities

Weekly: Lecture 3 hrs.

### **ENGL 107 - Critical Writing**

Units: 3

Explore the relationship between language and logic; identify fallacies of argument; and craft traditional, multimodal and multi-mediated arguments in context of current social, economic, political, and environmental discourse.

Division: Lower Division

Requisites: Pre-requisite: ENGL 103 or ENGL 104 or ENGL 104S.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE A3: Critical Thinking

Sustainability: Sustainability Focused

Weekly: Lecture 3 hrs.

### **ENGL 110 - Developing Academic Literacy Lab**

Units: 1

Individualized and small group support and instruction for students concurrently enrolled in any of the following courses.

Division: Lower Division

Requisites: Co-requisite: ENGL 102 or ENGL 103 or ENGL 104 or ENGL 104S.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Mandatory CR/NC

Zero cost course materials: Zero Cost Course Materials

Weekly: Activity 2 hrs.

### **ENGL 180 - Special Topics in English**

Units: 1-4

Topics in literature, culture, and language not covered in regularly scheduled classes.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture hrs TBD

### **ENGL 200 - Academic Writing and Revision Workshop**

Units: 3

Revisiting ENGL 103/ENGL 104 assessment portfolio. Workshop,

lecture, critical reading of student texts. Students failing ENGL 103/ENGL 104 portfolio must complete ENGL 200 to fulfill GE. Students failing 200 portfolio must repeat 200.

Division: Lower Division

Requisites: Pre-requisite: grade of RP in ENGL 103, ENGL 104 or ENGL 104S.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 3 hrs.

### **ENGL 211 - Introduction to Creative Writing**

Units: 4

Learn craft principles for multiple genres of creative writing: including poetry, fiction, and creative nonfiction. Gain awareness of literary conventions and writing workshop practices. Practice a range of techniques for generating and revising texts.

Division: Lower Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 4 hrs.

### **ENGL 212 - Topics in Writing**

Units: 4

Themes, genres, major figures, or movements in writing studies. Topics vary.

Division: Lower Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 4 hrs.

### **ENGL 215 - Information Literacy and Writers Seminar**

Units: 2

Directed and collaborative seminar to enhance mastery of writing, critical reading, and research and information literacy.

Division: Lower Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 2 hrs.

### **ENGL 218 - Conceptualizing English Studies**

Units: 4

Aims and modes of inquiry associated with English Studies, to prepare for upper division work. Recommended first course in the major.

Establish an ePortfolio to be completed throughout the major.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 4 hrs.

### **ENGL 220 - Representation Matters: Literature and Identity**

Units: 4

Examine how social identities are created through language, narrative, and text. Explore how categories of identity (gender, sexuality, race, nation, class, ethnicity, etc.) are central to the study of literature.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 4 hrs.

### **ENGL 225 - Linguistic Diversity and Language Analysis**

Units: 4

Examination of the nature of human language, including its formal structure, usage, and variation. Emphasizes applications to the study of literature, literacy and social identity.

Division: Lower Division

Requisites: Pre-requisite: ENGL 103 or ENGL 104 or ENGL 104S.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 4 hrs.

### **ENGL 230 - Decolonizing British Literature I**

Units: 4

Study medievalism, the early modern period, and the rise of imperialism. Explore literature from the 7th through 18th centuries in its historical, artistic, and sociopolitical contexts.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 4 hrs.

### **ENGL 231 - Decolonizing British Literature II**

Units: 4

Study revolution, resistance, and industrial and late capitalism in domestic, colonial, and postcolonial spaces. Explore literature from the late 18th through 21st centuries in its historical, artistic, and sociopolitical contexts.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 4 hrs.

### **ENGL 232 - U.S. Literature and Social Change**

Units: 4

Analyze multi-ethnic U.S. literature from slave narratives to today. Discuss texts' social, political, historical contexts-identity formations, definitions of "American" and "citizen," constructions of race, gender, genre, borders, and resistance.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

All University Requirements: DCG: Domestic

Weekly: Lecture 4 hrs.

### **ENGL 240 - Topics in World Literature**

Units: 4

Analyze literature that addresses regional and transnational contexts through decolonizing lenses by authors from around the world. Places, themes, genres, historical contexts, major figures. Topics vary.

Division: Lower Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 4 hrs.

### **ENGL 280 - Special Topics**

Units: 1-4

Topics not covered in regularly scheduled courses.

Division: Lower Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture hrs TBD

### **ENGL 305 - Postcolonial Literature/Decolonizing Perspectives**

Units: 3

Discuss contemporary literature by African, Asian-Pacific, Middle Eastern, Latin American and Caribbean, and/or Indigenous writers, including fiction, drama, poetry, essays, film. Analyze settler colonialism, study postcolonial theory, and apply decolonizing lenses.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE UD Area C: Art & Humanities

All University Requirements: DCG: Non-Domestic

Weekly: Lecture 3 hrs.

**ENGL 306 - Contemporary Texts**

Units: 3

Selected texts from the 20th and 21st centuries in variable genres, forms and media, from traditional texts to graphic novels, film and new media.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE UD Area C: Art &amp; Humanities

Weekly: Lecture 3 hrs.

**ENGL 308B - Gender and Literature**

Units: 3

Cross-listed with: WS 308B

Analyze how literature (re)produces cultural conditions and attitudes about gender as it intersects with ethnicity, race, class, nation, and sexuality. Read works by diverse authors writing in multiple genres. Focused within the boundaries of the U.S.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE UD Area C: Art &amp; Humanities

All University Requirements: DCG: Domestic

Weekly: Lecture 3 hrs.

**ENGL 308C - Gender and Literature**

Units: 3

Cross-listed with: WS 308C

Analyze how literature (re)produces cultural conditions and attitudes about gender as it intersects with ethnicity, race, class, nation, and sexuality. Read works by diverse authors writing in multiple genres. International/transnational in focus.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE UD Area C: Art &amp; Humanities

All University Requirements: DCG: Non-Domestic

Weekly: Lecture 3 hrs.

**ENGL 311 - Creative Writing for Environmental Justice**

Units: 4

Write, analyze, and critique texts that explore questions of environmental justice. Quality writing considered for publication in Toyon: Multilingual Journal of Literature and Art.

Division: Upper Division

Requisites: Pre-requisite: ENGL 103 or ENGL 104 or ENGL 104S.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Related

Weekly: Lecture 4 hrs.

**ENGL 313 - Critical Topics in Writing and Rhetoric**

Units: 4

Themes, genres, major figures, or movements in writing studies. Topics vary.

Division: Upper Division

Requisites: Pre-requisites: ENGL 103 or ENGL 104 or ENGL 104S

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 4 hrs.

**ENGL 314 - Creative Writing: Nonfiction**

Units: 4

Write, analyze, and critique student nonfiction. For upper-division students. Quality writing considered for publication in Toyon: Multilingual Journal of Literature and Art.

Division: Upper Division

Requisites: Pre-requisite: ENGL 211 or IA.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 4 hrs.

**ENGL 315 - Creative Writing: Fiction**

Units: 4

Write, analyze, and critique student fiction. For upper-division students.

Quality writing considered for publication in Toyon: Multilingual Journal of Literature and Art.

Division: Upper Division

Requisites: Pre-requisite: ENGL 211 or IA.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 4 hrs.

**ENGL 316 - Creative Writing: Poetry**

Units: 4

Write, analyze, and critique student poetry. For upper-division students.

Quality writing considered for publication in Toyon: Multilingual Journal of Literature and Art.

Division: Upper Division

Requisites: Pre-requisite: ENGL 211 or IA.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 4 hrs.

**ENGL 318 - How Writers Persuade: Cross-Cultural Rhetorics**

Units: 4

Examine principles of rhetoric, including how culture shapes and is shaped by language. Gain understanding of culturally diverse rhetorical traditions and practices. Apply rhetorical theories to the analysis and creation of texts.

Division: Upper Division

Requisites: Pre-requisite: ENGL 103 or ENGL 104 or ENGL 104S.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 4 hrs.

**ENGL 319 - Podcasts, Social Media, and Web-Based Writing**

Units: 4

Explore mediated communication and digital rhetorics. Examine and apply rhetorical theory to multimodal texts. Analyze and produce websites, interactive media, podcasts, and social media campaigns.

Division: Upper Division

Requisites: Pre-requisite: ENGL 103 or ENGL 104 or ENGL 104S.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 4 hrs.

**ENGL 323 - Children's Literature**

Units: 3

Close study and evaluation of literature for children. For teachers, prospective teachers, parents.

Division: Upper Division

Requisites: Pre-requisite: ENGL 103 or ENGL 104 or ENGL 104S.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 3 hrs.

**ENGL 325 - History of English as a Global Language**

Units: 4

Indo-European origins to the present. Social, cultural, and historic events affecting language development. Emphasis on multilingualism, translanguaging, endangered languages, and global issues in language.

Division: Upper Division

Requisites: Pre-requisite: ENGL 103 or ENGL 104 or ENGL 104S.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 4 hrs.

**ENGL 326 - Language Study for Teachers**

Units: 4

English phonetics, phonology, morphology, and syntax. Apply these fields to language arts instruction, including spelling, reading, composition, and other language skills. One of four units is individualized instruction on assigned topics.

Division: Upper Division

Requisites: Pre-requisite: ENGL 103 or ENGL 104 or ENGL 104S.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 4 hrs.

### **ENGL 328 - Structure of American English**

Units: 4

Analyze syntax, with special reference to teaching grammar. English phonetics; text grammar.

Division: Upper Division

Requisites: Pre-requisite: ENGL 225.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 4 hrs.

### **ENGL 330 - Topics in Literatures of the Americas**

Units: 4

Examine themes, genres, figures or historical periods. Topic varies.

Division: Upper Division

Requisites: Pre-requisite: ENGL 103 or ENGL 104S or ENGL 104 and recommended preparation: ENGL 220

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 4 hrs.

### **ENGL 336 - U.S. Writers of Color**

Units: 4

Cross-listed with: ES 336, WS 336

Read U.S. writers of color and immigrant writers in social and literary contexts. Examine counter-narratives and the creation of new literary traditions in the face of cultural and sociopolitical exclusion. Topics vary.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

All University Requirements: DCG: Domestic

Weekly: Lecture 4 hrs.

### **ENGL 342 - Special Topics in Shakespeare**

Units: 4

Instructor selects Shakespeare plays related by genre, chronology, or theme.

Division: Upper Division

Requisites: Pre-requisite: ENGL 103 or ENGL 104S or ENGL 104.

Recommended: ENGL 220.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 4 hrs.

### **ENGL 344 - Young Adult Literature**

Units: 4

Study and respond to selected works appealing to young people. For teachers or prospective teachers of literature in secondary school.

Division: Upper Division

Requisites: Pre-requisite: ENGL 103 or ENGL 104 or ENGL 104S.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 4 hrs.

### **ENGL 350 - Topics in British and Postcolonial Literatures**

Units: 4

Examine specific themes, genres, historical periods, or figures. Topics vary. Recommended Preparation: ENGL 220.

Division: Upper Division

Requisites: Pre-requisites: ENGL 103 or ENGL 104 or ENGL 104S.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 4 hrs.

### **ENGL 406 - Theories and Technologies of Writing**

Units: 4

Current theories/methods of teaching writing, and current technology for studying and teaching in the English discipline.

Division: Upper Division

Requisites: Pre-requisite: ENGL 103 or ENGL 104 or ENGL 104S.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 4 hrs.

### **ENGL 410 - Topics in Queer and Trans Studies**

Units: 4

Examine themes, genres, movements, or major figures in queer and/or trans literary studies, including queer and trans of color authors and queer critique. Topics vary.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

All University Requirements: DCG: Domestic

Weekly: Seminar 4 hrs.

### **ENGL 417 - Second Language Acquisition**

Units: 3

Compare/contrast first and second language acquisition. Assess factors affecting the learning of a second language: interference of first language, structure of second, personality characteristics, age, cultural attitudes.

Division: Upper Division

Requisites: Pre-requisite: ENGL 225 or ENGL 326 or ENGL 328 or equivalent (C).

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 3 hrs.

### **ENGL 420 - Advanced Topics in Critical Theory**

Units: 4

Intensive study of specialized issues in literary and cultural theory. Topics vary. Example topics include: Black feminist thought, Postcolonialism and after, "queering" race and gender, politics and poststructuralism, problems in aesthetics.

Division: Upper Division

Requisites: Pre-requisite: ENGL 103 or ENGL 104S or ENGL 104.

Recommended: ENGL 220

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 4 hrs.

### **ENGL 422 - Professional Research Pathways: Research, Libraries, and Graduate School Planning**

Units: 4

Practice key skills associated with research. Gain an understanding of librarianship and archival research. Develop application materials for graduate school programs. Complete the portfolio for the major. Capstone course.

Division: Upper Division

Requisites: Pre-requisite: ENGL 103 or ENGL 104 or ENGL 104S.

Permission to enroll: No Special Consent Required



Grading mode: Optional Grade Basis  
Weekly: Lecture 4 hrs.

### **ENGL 424 - Communication in Writing I**

Units: 3  
Critical reading and writing of various modes of prose. Writing process of children and how writing tasks can be accessible to developing minds.  
Division: Upper Division  
Requisites: Pre-requisite: ENGL 103 or ENGL 104 or ENGL 104S.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs.

### **ENGL 426 - Teaching Secondary Writing**

Units: 4  
Practice designing standards-based writing curriculum for secondary grades, including expository and creative genres. Train in literacy pedagogy and writing assessment procedures. Capstone course.  
Division: Upper Division  
Requisites: Pre-requisite: ENGL 103 or ENGL 104 or ENGL 104S.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 4 hrs.

### **ENGL 435 - English as a Second/ Foreign Language**

Units: 4  
Co-listed with: ENGL 535  
Examines who studies second/foreign languages and why; overviews historical and common language teaching methods and techniques; discusses teaching speaking, listening, reading, writing, grammar, vocabulary, and sociopolitical ramifications.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 4 hrs.

### **ENGL 436 - Career Preparation for Teaching English as a Second/Foreign Language**

Units: 4  
Prepare for careers in Teaching English as a Second/Foreign Language. Learn to teach content and language simultaneously to students who are still learning English. Prepare to find teaching positions abroad and in the U.S. Complete the portfolio for the major. Capstone course.  
Division: Upper Division  
Requisites: Pre-requisite: ENGL 435, Sophomore standing or above.  
Recommended Pre-requisite or Co-requisite: ENGL 225  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 4 hrs.

### **ENGL 450 - Tutoring Developing Writers**

Units: 2  
Needs of culturally and ethnically diverse students and learning disabled. Intensive practical experience responding to writing with a variety of approaches.  
Division: Upper Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Mandatory CR/NC  
Weekly: Lecture 2 hrs.

### **ENGL 460 - Literary Editing and Publishing (Toyon)**

Units: 4  
Study and gain hands-on experience in the practice of literary editing, including manuscript selection, layout, design, and production. Produce an issue of the Toyon: Multilingual Journal of Literature and Art and learn about histories, trends, and opportunities in literary publishing.  
Division: Upper Division

Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 4 hrs.

### **ENGL 461 - Professional Concerns in Writing and Editing**

Units: 4  
Practice professional skills in literary writing and editing. Learn to propose projects and seek funding support. Gain experience in arts administration. Work to increase the circulation of Toyon: Multilingual Journal of Literature and Art. Recommended preparation: ENGL 460.  
Division: Upper Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 4 hrs.

### **ENGL 465B - Multicultural Issues in Literature/Languages**

Units: 4  
Cross-listed with: ES 465B, WS 465B  
Themes, genres, figures, theories, or movements in literary or linguistics study in relation to issues of ethnicity and/or gender.  
Division: Upper Division  
Requisites: Pre-requisite: ENGL 103 or ENGL 104 or ENGL 104S  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
All University Requirements: DCG: Domestic  
Weekly: Lecture 4 hrs.

### **ENGL 465C - Multicultural Issues in Literature/Languages**

Units: 4  
Cross-listed with: ES 465C, WS 465C  
Themes, genres, figures, theories, or movements in literary or linguistics study in relation to issues of ethnicity and/or gender.  
Division: Upper Division  
Requisites: Pre-requisite: ENGL 103 or ENGL 104 or ENGL 104S  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
All University Requirements: DCG: Non-Domestic  
Weekly: Lecture 4 hrs.

### **ENGL 471 - Literatures of Body, Environment, World-Building**

Units: 4  
Co-listed with: ENGL 571  
Study ecocriticism and writers, theories, and representations of the body, disability, and environmental justice. Analyze issues of power with regard to class, race/ethnicity, gender, sexuality. Examine literatures that reimagine worlds.  
Division: Upper Division  
Requisites: Pre-requisite: ENGL 103 or ENGL 104 or ENGL 104S.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Related  
Weekly: Lecture 4 hrs.

### **ENGL 480 - Special Topics**

Units: 1-4  
Topics not covered in regularly scheduled courses.  
Division: Upper Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture hrs TBD

### **ENGL 482 - Internship**

Units: 2

Supervised internship in teaching, digital media, editing and publishing, curating and archiving, and/or writing for an organization such as a university/community college classroom, library, or community setting.

Division: Upper Division

Requisites: Pre-requisite: senior standing and IA.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Academic internship course: Yes

Weekly: Supervision hrs TBD

### **ENGL 499 - Directed Study**

Units: 1-4

For advanced students with Instructor Approval.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: Instructor Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Supervision hrs TBD

### **ENGL 510 - Topics in Queer and Trans Studies**

Units: 4

Co-listed with: ENGL 410

Examine themes, genres, movements, or major figures in queer and/or trans literary studies, including queer and trans of color authors and queer critique. Topics vary.

Division: Graduate

Requisites: Pre-requisite: Acceptance into English M.A. program or IA.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 4 hrs.

### **ENGL 535 - English as a Second/ Foreign Language**

Units: 4

Co-listed with: ENGL 435

Examines who studies second/foreign languages and why; overviews historical and common language teaching methods and techniques; discusses teaching speaking, listening, reading, writing, grammar, vocabulary, and sociopolitical ramifications.

Division: Graduate

Requisites: Pre-requisite: Acceptance into English M.A. program or IA.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 4 hrs.

### **ENGL 536 - Problems in Form, Genre, Media**

Units: 4

Cultural analysis in U.S. and beyond, represented in various modes, e.g. law/literature of slavery and resistance, transnational narratives, multicultural queer narratives, pastoral genre in U.S. and Britain.

Division: Graduate

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 4 hrs.

### **ENGL 546 - Reading Historically**

Units: 4

Intensive study of topics in historicist reading, including Black Britain, economic theories and the novel, Virginia Woolf and history, etc.

Division: Graduate

Requisites: Pre-requisite: acceptance into English MA program or IA.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 4 hrs.

### **ENGL 571 - Literatures of Body, Environment, World-Building**

Units: 4

Co-listed with: ENGL 471

Study ecocriticism and writers, theories, and representations of the body, disability, and environmental justice. Analyze issues of power with regard to class, race/ethnicity, gender, sexuality. Examine literatures that reimagine worlds.

Division: Graduate

Requisites: Pre-requisite: Acceptance into English MA program or IA.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Related

Weekly: Lecture 4 hrs.

### **ENGL 580 - Special Topics Seminar**

Units: 1-3

Study of literature or study and practice of various kinds of writing. When offered as workshop, units do not fulfill degree requirements.

Division: Graduate

Requisites: Pre-requisite: acceptance into English MA program or IA.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar hrs TBD

### **ENGL 581 - Becoming a College-Level Instructor**

Units: 3

Designed for future graduate teaching associates (GTAs). Provides information, support, theoretical grounding, discussion, and practice in college-level instruction. Focused primarily on writing instruction.

Division: Graduate

Requisites: Pre-requisite: Must be accepted in the English M.A.

program. Recommended preparation: ENGL 406, ENGL 450, ENGL 612.

Permission to enroll: Instructor Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 3 hrs.

### **ENGL 600 - Graduate Studies Introduction**

Units: 4

Approaches to literary and cultural studies, composition, pedagogy, language studies. Research and scholarship in the discipline. Planning and writing a thesis. Avenues for publishing, for teaching, for pursuing the Ph.D.

Division: Graduate

Requisites: Pre-requisite: acceptance into English MA program or IA.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 4 hrs.

### **ENGL 605 - Cultural Studies Introduction**

Units: 4

Cultural studies as academic practice. History of the field; affiliations with other interdisciplinary areas; practical applications; relationship between aesthetics and politics.

Division: Graduate

Requisites: Pre-requisite: acceptance into English MA program or IA.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 4 hrs.

### **ENGL 611 - Literacies and Epistemologies**

Units: 4

Theoretical and practical tools for improving literacy skills in the classroom. Common reading and writing practices, theories and

principles of assignment design, response to student work, identifying diverse learning needs.

Division: Graduate

Requisites: Pre-requisite: Acceptance into English M.A. program or IA.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 4 hrs.

### **ENGL 612 - Theory of Rhetoric and Composition**

Units: 4

In-depth overview of modern composition studies (1950 to the present), also contemporary rhetoric as it impacts best practices of university-level writing instruction.

Division: Graduate

Requisites: Pre-requisite: acceptance into English MA program or IA.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 4 hrs.

### **ENGL 614 - Teaching ESL Reading and Writing**

Units: 4

Explores the theory, research and practice of teaching second language (L2) reading and writing; relationship between first and L2 reading and writing; and common challenges in L2 reading and writing.

Division: Graduate

Requisites: Pre-requisite: acceptance into English MA program or IA.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 4 hrs.

### **ENGL 615 - Digital Humanities: Public History, Archives, and Scholarly Communication**

Units: 4

Provides broad training and professional development in curating, archiving, exhibiting, critiquing, and publishing materials across a range of media. Histories, methodologies, tools, and debates of digital humanities.

Division: Graduate

Requisites: Pre-requisite: acceptance into English MA program or IA.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 4 hrs.

### **ENGL 618 - Linguistic and Rhetorical Approaches to Writing**

Units: 4

Advanced study of rhetorical theory and linguistic methodologies. Emphasizes application of theory to writing and the teaching of writing.

Division: Graduate

Requisites: Pre-requisite: ENGL 328 (or equivalent) and acceptance into English MA program or IA.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 4 hrs.

### **ENGL 620 - Seminar in Critical Theory**

Units: 4

Concentrated study of a topic in critical theory and cultural analysis, e.g. critical legal studies, postcolonialism and globalization, aesthetics and politics, gender and sexuality, ecocriticism.

Division: Graduate

Requisites: Pre-requisite: acceptance into English MA program or IA.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Focused

Weekly: Seminar 4 hrs.

### **ENGL 681 - Internship in Teaching**

Units: 2

Supervised practice in college, high school, elementary school, or

community setting.

Division: Graduate

Requisites: Pre-requisite: Acceptance into English M.A. program or IA.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Academic internship course: Yes

Weekly: Supervision hrs TBD

### **ENGL 682 - Internship**

Units: 2

Supervised internship in digital media, editing and publishing, curating and archiving, and/or writing for an organization or institution. Campus library or community setting.

Division: Graduate

Requisites: Pre-requisite: Acceptance into English M.A. program or IA.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Academic internship course: Yes

Weekly: Supervision hrs TBD

### **ENGL 690 - Master's Project**

Units: 1-4

Culmination of MA degree: project demonstrating advanced achievement in language, literature, literary criticism, creative writing, or teaching of writing.

Division: Graduate

Requisites: Pre-requisite: acceptance into English MA program or IA.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Supervision hrs TBD

### **ENGL 694 - Field Experience: Observe and Reflect**

Units: 4

A course for students in the Master's International Program. Requires an extensive descriptive and reflective journal based on experience teaching overseas with the Peace Corps.

Division: Graduate

Requisites: Pre-requisite: acceptance into English MA program or IA.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Supervision hrs TBD

### **ENGL 695 - Critical Analysis of Field Experience**

Units: 2

The culminating activity for students in the Master's International Program. Requires the writing of an essay based on the student's experience teaching overseas.

Division: Graduate

Requisites: Pre-requisite: acceptance into English MA program or IA.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Supervision hrs TBD

### **ENGL 699 - Independent Study**

Units: 1-4

Open to students acceptance into English MA program with Instructor Approval.

Division: Graduate

Repeats: Repeatable for Credit

Permission to enroll: Instructor Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required  
Weekly: Supervision hrs TBD

## Environment & Community

### EC 610 - Environment and Community Research

Units: 3  
Exploration of frameworks for understanding "environment" and "community" and diverse approaches to social science environment and community research. Development of skills necessary for critical knowledge consumption and production.  
Division: Graduate  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Focused  
Weekly: Seminar 3 hrs.

### EC 615 - Graduate Colloquium

Units: 1  
Environment and Community MA graduate students develop, share, and present work related to their thesis or project. Also linked with the Environment and Community Program's Speaker Series.  
Division: Graduate  
Permission to enroll: No Special Consent Required  
Grading mode: Mandatory Letter Grade  
Sustainability: Sustainability Focused  
Zero cost course materials: No Course Materials Required  
Weekly: Seminar 1 hr.

### EC 620 - Economic-Political Dimensions

Units: 3  
Provides analytical frameworks for understanding the role of political and economic institutions, discourses, organizations, and movements.  
Variable topics.  
Division: Graduate  
Requisites: Pre-requisites: Senior or graduate standing; Social Science, Environment and Community M.A. program only.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Mandatory Letter Grade  
Sustainability: Sustainability Focused  
Weekly: Seminar 3 hrs.

### EC 630 - Socio-Cultural Dimensions

Units: 3  
Provides understanding of race/ethnicity, class, gender place, and culture, including their social construction and varied intersections.  
Variable topics.  
Division: Graduate  
Requisites: Pre-requisites: Senior or graduate standing; Social Science, Environment and Community M.A. program only.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Mandatory Letter Grade  
Sustainability: Sustainability Focused  
Weekly: Seminar 3 hrs.

### EC 640 - Ecological Dimensions

Units: 3  
Provides a basic understanding of at least one ecological process or cycle within the context of human-environment relationships. Variable topics.  
Division: Graduate  
Requisites: Pre-requisites: Senior or graduate standing; Social Science, Environment and Community M.A. program only.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Mandatory Letter Grade

Sustainability: Sustainability Focused  
Weekly: Seminar 3 hrs.

### EC 680 - Special Topics

Units: 1-3  
Intensive study of a special topic related to environment and community relationships. Repeatable with different content.  
Division: Graduate  
Requisites: Pre-requisites: Senior or graduate standing; Social Science, Environment and Community M.A. program only.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Mandatory Letter Grade  
Sustainability: Sustainability Focused  
Weekly: Seminar 1 hr.

### EC 690 - Master's Thesis or Project

Units: 1-6  
Individual work on thesis or project required for M.A. in Social Science degree.  
Division: Graduate  
Requisites: Pre-requisite: Senior or graduate standing; Social Science, Environment and Community M.A. program only.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Mandatory Letter Grade  
Zero cost course materials: No Course Materials Required  
Weekly: Supervision hrs TBD

### EC 691 - Comprehensive Exam

Units: 3  
Comprehensive exam for the master's degree in Social Science. Students, with their advisor's approval, may elect to take a comprehensive exam instead of completing a thesis or project for their culminating experience.  
Division: Graduate  
Requisites: Pre-requisites: graduate standing  
Permission to enroll: No Special Consent Required  
Grading mode: Mandatory CR/NC  
Weekly: Tutorial hrs TBD

### EC 695 - Field Research

Units: 1-3  
Field investigation of issues and/or phenomena related to a student's culminating experience.  
Division: Graduate  
Requisites: Pre-requisites: Senior or graduate standing; Social Science, Environment and Community, M.A. program only.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Mandatory Letter Grade  
Zero cost course materials: No Course Materials Required  
Weekly: Supervision hrs TBD

## Environmental Resources Engineering

### ENGR 115 - Introduction to Environmental Resources Engineering

Units: 3  
Case studies in water quality, water resources, energy resources, and geotechnical resources.  
Division: Lower Division  
Requisites: Pre-requisite: MATH 101T (C) or MATH 102 (C) or MATH 109 (C). Open to environmental resources engineering majors.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Related  
Weekly: Lecture 2 hrs. Laboratory 3 hrs.

**ENGR 210 - Solid Mechanics: Statics**

Units: 3

Particle and rigid body equilibrium; vector concepts; equivalent systems of forces; centroids; moments of inertia; friction.

Division: Lower Division

Requisites: Pre-requisite: MATH 109 or completed Calculus I.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 2 hrs. Laboratory 3 hrs.

**ENGR 211 - Solid Mechanics: Dynamics**

Units: 3

Kinetics and kinematics of particles; work and energy; impulse and momentum; kinematics and plane motion of rigid bodies. Engineering design applications.

Division: Lower Division

Requisites: Pre-requisite: MATH 110, ENGR 210, ENGR 215 (C). For engineering majors, this is prerequisite to PHYX 211.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 2 hrs. Laboratory 3 hrs.

**ENGR 215 - Introduction to Design**

Units: 3

Engineering design process, including critical analysis of problems, teamwork, Internet, word processing, spreadsheets, computer-aided drawing. Engineering design applications.

Division: Lower Division

Requisites: Pre-requisite: ENGR 115, and MATH 109 or completed Calculus I (C). Open to environmental resources engineering majors.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Focused

Zero cost course materials: No Course Materials Required

Weekly: Lecture 2 hrs. Laboratory 3 hrs.

**ENGR 225 - Computational Methods for Environmental Engineering I**

Units: 3

Introduction to computer computational methods for environmental engineering analysis and design using MATLAB and the Fortran programming language. Recommended preparation: ENGR 210.

Division: Lower Division

Requisites: Pre-requisite: ENGR 115, and MATH 109 or completed Calculus I.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 2 hrs. Laboratory 3 hrs.

**ENGR 280 - Selected Topics in Engineering**

Units: 1-3

Selected topics offered at the lower division level as demand warrants.

Division: Lower Division

Requisites: Pre-requisite: vary with topics.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture hrs TBD

**ENGR 299 - Directed Study**

Units: 1-3

Directed (independent) undergraduate study or research at the lower division level.

Division: Lower Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Supervision hrs TBD

**ENGR 305 - Appropriate Technology**

Units: 3

Engineering technology principles. Energy, waste disposal, food production technologies. Lab exercises involve working systems at Campus Center for Appropriate Technology.

Division: Upper Division

Requisites: Pre-requisite: PHYX 106 or PHYX 109 or ENST 123. Rec: lower division science GE.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE UD Area B: Math &amp; Science

Sustainability: Sustainability Focused

Weekly: Lecture 2 hrs. Laboratory 3 hrs.

**ENGR 308 - Technology and the Environment**

Units: 3

Environmental and resource-related case studies applying technology to supply society's needs and demands.

Division: Upper Division

Requisites: Pre-requisite: completed lower division science GE.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE UD Area B: Math &amp; Science

Sustainability: Sustainability Focused

Weekly: Lecture 2 hrs. Activity 2 hrs.

**ENGR 313 - Systems Analysis**

Units: 3

Microeconomics, systems analysis, and math modeling in environmental resources, allocation, linear and nonlinear optimization. Case studies in resource management. Engineering design applications.

Division: Upper Division

Requisites: Pre-requisite: MATH 210, ENGR 115, ENGR 225.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Related

Weekly: Lecture 2 hrs. Laboratory 3 hrs.

**ENGR 322 - Environmental Data Modeling and Analysis**

Units: 4

Introduction to probability theory, probabilistic models, and stochastic processes. Parameter estimation and model evaluation for environmental systems models with applications in environmental engineering.

Division: Upper Division

Requisites: Pre-requisite: MATH 210 and ENGR 325 (C).

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 3 hrs. Laboratory 3 hrs.

**ENGR 325 - Computational Methods for Environmental Engineering II**

Units: 3

Introduction to numerical methods for environmental engineering analysis, design and resource management using the Fortran programming language.

Division: Upper Division

Requisites: Pre-requisite: ENGR 225 and MATH 110.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 2 hrs. Laboratory 3 hrs.

**ENGR 326 - Computational Methods for Environmental Engineering III**

Units: 3

Numerical methods for linear and differential equations used in environmental engineering analysis, design and resource management problems.

Division: Upper Division

Requisites: Pre-requisite: ENGR 325, and ENGR 331 or ENGR 333.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **ENGR 330 - Mechanics and Science of Materials**

Units: 3  
Physical properties of materials. Analyze stresses and deformations involving elastic behavior of materials. Tension, compression, torsion, and flexure. Combined stresses, static indeterminacy. Beams of two materials. Engineering design applications. ERE majors are strongly encouraged to complete this course before starting their 400-level ENGR courses.  
Division: Upper Division  
Requisites: Pre-requisite: MATH 210, CHEM 109, ENGR 210.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **ENGR 331 - Thermodynamics and Energy Systems I**

Units: 3  
Thermodynamics' 1st and 2nd laws; thermodynamic properties of materials; thermodynamic processes; system and control volume analysis; application to energy systems.  
Division: Upper Division  
Requisites: Pre-requisite: CHEM 110, MATH 210 and ENGR 211.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Related  
Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **ENGR 333 - Fluid Mechanics**

Units: 4  
Fluid properties; fluid statics; flow concepts; control volume analysis; continuity; energy and momentum concepts; boundary layer concepts; drag theory, flow measurements; flow in pipes/ducts; open channel flow; dimensional analysis and similitude. Engineering design applications.  
Division: Upper Division  
Requisites: Pre-requisite: ENGR 211, ENGR 325, MATH 210.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Related  
Weekly: Lecture 3 hrs. Laboratory 3 hrs.

### **ENGR 351 - Introduction to Water Quality**

Units: 4  
Analytical methods for water quality assessment. Physical, chemical, and biological factors of water quality. Introduction to environmental risk assessment and water/wastewater treatment processes. ERE majors are strongly encouraged to complete this course before starting their 400-level ENGR courses.  
Division: Upper Division  
Requisites: Pre-requisite: ENGR 115, CHEM 110, BIOL 105.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Focused  
Weekly: Lecture 3 hrs. Laboratory 3 hrs.

### **ENGR 371 - Energy Systems and Technology**

Units: 3  
Introduction to key topics and technologies associated with modern energy systems. Covers principles of thermodynamics and electricity and their application to energy systems.  
Division: Upper Division  
Requisites: Pre-requisite: MATH 105, CHEM 107 or CHEM 109, PHYX 107 or PHYX 211.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis

Sustainability: Sustainability Related  
Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **ENGR 399 - Supplemental Work in Engineering**

Units: 1-3  
Directed study for transfer student whose prior coursework isn't equivalent to corresponding courses at Cal Poly Humboldt.  
Division: Upper Division  
Repeats: Repeatable for Credit  
Permission to enroll: Department Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Supervision hrs TBD

### **ENGR 410 - Environmental Health and Impact Assessment**

Units: 3  
Legislative and regulatory foundations for Environmental Impact Statements and their preparation, life cycle principles, sustainability, professional ethics, risk analysis, collecting data and evaluating its adequacy and accuracy, interpreting data, and predicting impacts associated with proposed activities. Engineering aspects of communicable disease control and exposure to toxic materials.  
Division: Upper Division  
Requisites: Pre-requisites: ENGR 351 and ENGR 440 (C). Co-requisite: ENGR 313.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Focused  
Weekly: Lecture 3 hrs.

### **ENGR 416 - Transport Phenomena**

Units: 3  
Heat and mass transfer. Pollutant transport and assimilation in the environment. Engineering design applications.  
Division: Upper Division  
Requisites: Pre-requisite: ENGR 322, ENGR 326, ENGR 331, ENGR 333, ENGR 351.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Related  
Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **ENGR 418 - Applied Hydraulics**

Units: 3  
Co-listed with: ENGR 518  
Pipe networks; transient pipe flow; open channel flow; irrigation, drainage, and flood control; numerical methods for hydraulic analysis. Engineering design applications.  
Division: Upper Division  
Requisites: Pre-requisite: ENGR 326 and ENGR 333.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Related  
Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **ENGR 421 - Advanced Numerical Methods for Engineers I**

Units: 3  
Finite difference and finite element methods for linear and nonlinear partial differential equations; simulation of flow, mass and energy transport in environmental systems; large scale parameter estimation methods. Engineering design applications.  
Division: Upper Division  
Requisites: Pre-requisite: ENGR 313 and ENGR 326.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Related  
Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **ENGR 434 - Air Quality Management**

Units: 3

Co-listed with: ENGR 534

Nature, causes, and effects of air pollution; air quality standards, their measurement and control; Gaussian Plume model; particulate and gaseous pollutant control devices. Engineering design applications.

Division: Upper Division

Requisites: Pre-requisite: CHEM 110, ENGR 416(C).

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Related

Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **ENGR 436 - Solid Waste Engineering**

Units: 3

Nature and scope of solid waste problem. Collection, disposal, and recycle technology. Management alternatives considering social, economic, and technical constraints, including resource recovery. Engineering design applications.

Division: Upper Division

Requisites: Pre-requisite: CHEM 110, ENGR 313 (C), ENGR 333.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Focused

Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **ENGR 440 - Hydrology I**

Units: 3

Hydrologic cycle; math models of rainfall runoff; surface and ground water hydrology; probabilistic design concepts.

Division: Upper Division

Requisites: Pre-requisite: ENGR 322 and ENGR 326 and ENGR 333. Co-requisite: ENGR 313

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **ENGR 441 - Hydrology II**

Units: 3

Rainfall runoff processes; infiltration and groundwater vadose zone; water quality models and operational (stochastic) hydrology; groundwater quality. Engineering design applications.

Division: Upper Division

Requisites: Pre-requisite: ENGR 440.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Related

Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **ENGR 443 - Groundwater Hydrology**

Units: 3

Groundwater and vadose zone hydrology; well hydraulics; introduction to groundwater planning, management, and remediation; large-scale flow and mass transport simulation models.

Division: Upper Division

Requisites: Pre-requisite: ENGR 416 (C) and ENGR 440 (C).

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Related

Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **ENGR 445 - Water Resources Planning and Management**

Units: 3

Engineering applications of economics, risk analysis, and mathematical simulation and optimization models to water resource planning; multi-objective and sequential decision problems in reservoir operation and water quality management. Engineering design applications.

Division: Upper Division

Requisites: Pre-requisite: ENGR 440.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Focused

Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **ENGR 448 - River Hydraulics**

Units: 3

Co-listed with: ENGR 548

River morphology; water and sediment transport; channel formation; river restoration. Design applications.

Division: Upper Division

Requisites: Pre-requisite: ENGR 416 (C), ENGR 440 (C).

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Focused

Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **ENGR 452 - Drinking Water Treatment Engineering**

Units: 3

Drinking water treatment systems: physico-chemical processes, reactor kinetics, applications to the design of specific water treatment operations. Engineering design applications.

Division: Upper Division

Requisites: Pre-requisite: ENGR 416.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Related

Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **ENGR 453 - Wastewater Treatment Engineering**

Units: 3

Wastewater treatment systems; bench-scale treatment operations. Engineering design applications.

Division: Upper Division

Requisites: Pre-requisite: ENGR 416 (C).

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Related

Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **ENGR 455 - Engineered Natural Treatment Systems**

Units: 3

Use and design of free surface constructed wetlands and vegetated gravel beds for treating wastewater. For design engineers and wetland scientists involved in the planning, sizing, designing, and/or management of wetlands used to treat a wide range of wastewater problems.

Division: Upper Division

Requisites: Pre-requisite: ENGR 351, ENGR 416 (C) and ENGR 440 (C); or IA.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Related

Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **ENGR 471 - Thermodynamics and Energy Systems II**

Units: 3

Continues ENGR 331. Applications of 2nd law of thermodynamics. Irreversibility, availability, power and refrigeration cycles, combustion, and phase equilibria. Engineering design applications.

Division: Upper Division

Requisites: Pre-requisite: CHEM 110, PHYX 211, ENGR 322, ENGR 331, ENGR 333.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Related

Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **ENGR 473 - Building Energy Analysis**

Units: 3

Co-listed with: ENGR 573

Thermodynamics applied to energy analysis of buildings. Heating and ventilating systems; lighting; building envelopes; process loads.

Analyze campus buildings. Engineering design applications.

Division: Upper Division

Requisites: Pre-requisite: ENGR 326, ENGR 331, ENGR 333, PHYX 211.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Related

Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **ENGR 475 - Renewable Energy Power Systems**

Units: 3

Principles of hydro, wind, and photovoltaic power production and systems. Engineering design applications.

Division: Upper Division

Requisites: Pre-requisite: ENGR 322, ENGR 331, ENGR 333, PHYX 315.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Focused

Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **ENGR 478 - Electricity Grids and Distributed Renewable Energy**

Units: 3

Foundations and topics in the design and operation of electric power systems ("the Grid"), integrating renewable electricity generation with the grid, and distributed energy systems with generation, storage, and demand-side management.

Division: Upper Division

Requisites: Pre-requisite: ENGR 322, ENGR 331, PHYX 315, and ENGR 326 (C). Open to ERE majors.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Related

Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **ENGR 480 - Selected Topics in Engineering**

Units: 1-3

Offered as demand warrants.

Division: Upper Division

Requisites: Pre-requisite: vary with topic.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture hrs TBD

### **ENGR 481 - Selected Topics with Engineering Design**

Units: 3

Selected topics as demand warrants. Recommended preparation: varies by topic.

Division: Upper Division

Requisites: Pre-requisite: ENGR 322.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **ENGR 492 - Capstone Design Project**

Units: 3

Culminating ERE design experience based on knowledge gained from previous coursework. Application of the engineering design process to develop a system, process or management plan to solve a significant, open-ended ERE problem. To be taken final senior semester (within 16 units of graduation).

Division: Upper Division

Requisites: Pre-requisite: ENGR 313, ENGR 322, ENGR 326, ENGR 330, ENGR 331, ENGR 333, ENGR 351, PHYX 211. Open to senior

and grad level ERE students only.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Related

Zero cost course materials: No Course Materials Required

Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **ENGR 496 - FE (EIT) Review**

Units: 1

Review topics for National Fundamentals of Engineering (FE or EIT) Exam. Mandatory Not allowed for credit toward major in engineering.

Division: Upper Division

Requisites: Pre-requisite: ENGR 330 (C), ENGR 333.

Permission to enroll: No Special Consent Required

Grading mode: Mandatory CR/NC

Weekly: Lecture 1 hr.

### **ENGR 498 - Directed Design Project**

Units: 1-3

Directed (independent) application of engineering design process to develop a system, process or management plan.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: Instructor Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Supervision hrs TBD

### **ENGR 499 - Directed Study**

Units: 1-3

Directed (independent) undergraduate study or research.

Division: Upper Division

Permission to enroll: Instructor Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Supervision hrs TBD

### **ENGR 518 - Applied Hydraulics**

Units: 3

Co-listed with: ENGR 418

Pipe networks; transient pipe flow; open flow; irrigation, drainage, and flood control; numerical methods for hydraulic analysis. Engineering design applications.

Division: Graduate

Requisites: Pre-requisite: ENGR 326 and ENGR 333.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Related

Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **ENGR 521 - Advanced Numerical Methods for Engineers I**

Units: 3

Finite difference and finite element methods for linear and nonlinear partial differential equations; simulation of flow, mass and energy transport in environmental systems; large scale parameter estimation methods. Engineering design applications.

Division: Graduate

Requisites: Pre-requisite: ENGR 313 and ENGR 326.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Related

Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **ENGR 532 - Energy, Environment and Society**

Units: 4

This interdisciplinary graduate level course emphasizes technical, environmental, and socioeconomic dimensions of energy utilization in contemporary society. Covers technology and policy issues related to conventional and alternative energy resources.



Division: Graduate

Requisites: Pre-requisite: graduate standing; working knowledge of introductory physics, chemistry, and statistics; or IA.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Focused

Weekly: Lecture 4 hrs.

### **ENGR 533 - Energy and Climate Change**

Units: 4

This interdisciplinary graduate level course provides a rigorous introduction to the science and policy dimensions of global climate change, as well as the prospects for climate change mitigation.

Division: Graduate

Requisites: Pre-requisite: graduate standing and ENGR 532, or IA.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Focused

Weekly: Lecture 4 hrs.

### **ENGR 534 - Air Quality Management**

Units: 3

Co-listed with: ENGR 434

Nature, causes, and effects of air pollution; air quality standards, their measurement and control; Gaussian Plume model; particulate and gaseous pollutant control devices. Engineering design applications.

Division: Graduate

Requisites: Pre-requisite: CHEM 110 and ENGR 416.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Related

Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **ENGR 535 - Development Technology**

Units: 4

Technologies important in international development, including energy production, habitat design, waste recovery, water acquisition, and agriculture.

Division: Graduate

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 3 hrs. Laboratory 3 hrs.

### **ENGR 541 - Hydrology II**

Units: 3

Rainfall runoff processes; infiltration and groundwater vadose zone; water quality models and operational (stochastic) hydrology; groundwater quality. Engineering design applications.

Division: Graduate

Requisites: Pre-requisite: ENGR 440.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **ENGR 543 - Groundwater Hydrology**

Units: 3

Groundwater and vadose zone hydrology; well hydraulics; introduction to groundwater planning, management, and remediation; large-scale flow and mass transport simulation models.

Division: Graduate

Requisites: Pre-requisite: ENGR 416 (C) and ENGR 440 (C).

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **ENGR 545 - Water Resources Planning and Management**

Units: 3

Engineering applications of economics, risk analysis, and mathematical simulation and optimization models to water resource planning; multi-

objective and sequential decision problems in reservoir operation and water quality management. Engineering design applications.

Division: Graduate

Requisites: Pre-requisite: ENGR 440.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Focused

Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **ENGR 548 - River Hydraulics**

Units: 3

Co-listed with: ENGR 448

River morphology; water and sediment transport; channel formation; river restoration. Design applications.

Division: Graduate

Requisites: Pre-requisite: ENGR 416 (C), ENGR 440 (C).

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Focused

Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **ENGR 551 - Water and Wastewater Treatment Engineering**

Units: 4

Water and wastewater treatment systems; bench-scale treatment operations. Engineering design applications.

Division: Graduate

Requisites: Pre-requisite: ENGR 351 and ENGR 416; both with passing grades of C.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Related

Weekly: Lecture 3 hrs. Laboratory 3 hrs.

### **ENGR 555 - Engineered Natural Treatment Systems**

Units: 3

Use and design of free surface constructed wetlands and vegetated gravel beds for treating wastewater. For design engineers and wetland scientists involved in the planning, sizing, designing, and/or management of wetlands used to treat a wide range of wastewater problems.

Division: Graduate

Requisites: Pre-requisite: ENGR 351, BIOL 105, ENGR 115; or IA.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Focused

Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **ENGR 571 - Advanced Thermodynamics and Energy Systems**

Units: 3

Continues ENGR 331. Application of 2nd law of thermodynamics; irreversibility, availability, power and refrigeration cycles, combustion, and phase equilibria. Engineering design applications.

Division: Graduate

Requisites: Pre-requisite: CHEM 110, PHYX 211, ENGR 331, ENGR 333; all with passing grades of C.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Related

Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **ENGR 573 - Building Energy Analysis**

Units: 3

Co-listed with: ENGR 473

Thermodynamics applied to energy analysis of buildings. Heating and ventilating systems; lighting; building envelopes; process loads.

Analyze campus buildings. Engineering design applications.

Division: Graduate

Requisites: Pre-requisite: ENGR 326, ENGR 331, ENGR 333; all with passing grades of C.

Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Related  
Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **ENGR 575 - Renewable Energy Power Systems**

Units: 3  
Principles of hydro, wind, and photovoltaic power production and systems. Engineering design applications.  
Division: Graduate  
Requisites: Pre-requisite: ENGR 322, ENGR 331, ENGR 333, PHYX 315; all with passing grades of C.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Focused  
Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **ENGR 680 - Selected Topics in Environmental Systems**

Units: 1-3  
Division: Graduate  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture hrs TBD

### **ENGR 690 - Thesis**

Units: 1-6  
Prepare written thesis as required for grad degree.  
Division: Graduate  
Repeats: Repeatable for Credit  
Permission to enroll: Instructor Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Supervision hrs TBD

### **ENGR 699 - Independent Study in Environmental Systems**

Units: 1-3  
Conference, reading, and research.  
Division: Graduate  
Repeats: Repeatable for Credit  
Permission to enroll: Instructor Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Supervision hrs TBD

### **ENGR 700 - Professional Development in Engineering**

Units: 1-3  
Directed study for engineering professionals desiring advanced or specialized instruction, especially that leading to credentialing/certification.  
Division: Graduate  
Repeats: Repeatable for Credit  
Permission to enroll: Instructor Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Supervision hrs TBD

## **Environmental Science & Management**

### **ESM 105 - Natural Resource Conservation**

Units: 3  
Broad aspects; history of humanity in relation to land use; human populations in relation to resources; history of conservation movement; present day conservation problems.  
Division: Lower Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE D: Social Sciences

Sustainability: Sustainability Focused  
Weekly: Lecture 3 hrs.

### **ESM 108 - Environmental Science and Climate Change**

Units: 3  
Examination of critical thinking and the scientific method; how these intellectual tools have been used to develop an understanding of the global environment; special attention on climate change.  
Division: Lower Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE B1: Physical Science  
Sustainability: Sustainability Focused  
Weekly: Lecture 3 hrs.

### **ESM 200 - Inscape and Landscape**

Units: 3  
Examines how people view the world, how these worldviews originate, and how they influence our perception of the world around us.  
Division: Lower Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE E: Lifelong Learning  
Sustainability: Sustainability Focused  
Weekly: Lecture 2 hrs. Activity 2 hrs.

### **ESM 210 - Public Land Use Policies and Management**

Units: 3  
Overview of public lands: Historical view of major statutes, agency evolution, and resource management policies. Recommended preparation: ESM 105.  
Division: Lower Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Related  
Weekly: Lecture 3 hrs.

### **ESM 215 - Natural Resources and Recreation**

Units: 3  
Three primary components: resources, visitors, and management. Motivations and benefits, overview of providers, and fundamental recreation concepts.  
Division: Lower Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Focused  
Weekly: Lecture 3 hrs.

### **ESM 230 - Environmental Methods**

Units: 3  
Introduction to quantitative tools for environmental problem solving. Basic modeling skills in the context of topics related to environmental issues associated with air, water, land/earth, and energy.  
Division: Lower Division  
Requisites: Pre-requisite: (ESM 105 or GEOG 106) and STAT 109; sophomore standing or greater.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Focused  
Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **ESM 253 - Interpretive Computer Graphics**

Units: 3  
Fundamental course in computer graphic design and layout for producing natural resource interpretive displays, flyers, posters, book covers, brochures, newsletters, and multimedia slide presentations. Background in basic computer skills required.  
Division: Lower Division  
Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis  
Weekly: Activity 6 hrs.

### **ESM 301 - International Environmental Issues and Globalization**

Units: 3  
Cross-listed with: GEOG 301  
Cross-disciplinary examination of economic development, world regions, population trends, resource exploitation, sustainability, impact of resource extraction in key world locations, and increasing global environmental connectivity, integration, and interdependence.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE UD Area D: Social Sciences  
Sustainability: Sustainability Focused  
Weekly: Lecture 3 hrs.

### **ESM 302 - Biodiversity on Earth**

Units: 3  
State of biodiversity around the world and forces that affect it. Origins of this diversity, advantages of variability in the environment for human life, and contemporary challenges to diversity.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE UD Area B: Math & Science  
Sustainability: Sustainability Focused  
Weekly: Lecture 3 hrs.

### **ESM 303 - Applied Natural History and Ecology**

Units: 4  
Biotic communities of the north coast of California and the identification, ecology and life history of the organisms living there. Includes basic principles of ecology, field techniques for studying organisms in the wild, and methods of collecting and recording field data.  
Division: Upper Division  
Requisites: Pre-requisite: ESM 105 and ESM 230 and (STAT 108 or STAT 108I or STAT 109) and (BIOL 105 or BOT 105); Open to ESM/ENVS/EMP majors. Must have junior standing or greater.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE UD Area B: Math & Science  
Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **ESM 305 - Environmental Conflict Resolution**

Units: 3  
Introduction to conflict theory as applied in complex natural resource disputes. Skill development in planning culturally appropriate and inclusive public participation processes, meeting facilitation, and conflict mediation. Comparison of options for nonviolent conflict management.  
Division: Upper Division  
Requisites: Pre-requisite: sophomore standing or greater.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE UD Area D: Social Sciences  
Sustainability: Sustainability Focused  
Weekly: Lecture 2 hrs. Activity 2 hrs.

### **ESM 308 - Ecotopia**

Units: 3  
Interdisciplinary study of redwood ecosystem biophysical and cultural characteristics. Guest presentations, discussion/activity sessions.  
Division: Upper Division  
Requisites: Pre-requisite: lower division GE area B completed.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE UD Area B: Math & Science

Sustainability: Sustainability Related  
Weekly: Lecture 3 hrs.

### **ESM 309B - Environmental Communication**

Units: 3  
This course is intended for advanced students who want to learn the basic theories, strategies, and techniques used to communicate a body of scientific knowledge to the public in a comprehensible manner.  
Division: Upper Division  
Requisites: Pre-requisite: sophomore standing or greater.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE UD Area C: Art & Humanities, GE UD Area D: Social Sciences  
Weekly: Lecture 2 hrs. Activity 2 hrs.

### **ESM 325 - Environmental Law and Regulation**

Units: 3  
Overview of laws, policy, and institutions used to regulate natural resource management and protect the environment. Legal principles; property rights; federal, state, and international environmental legislation; and regulatory authorities.  
Division: Upper Division  
Requisites: Pre-requisite: ESM 105.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Related  
Weekly: Lecture 3 hrs.

### **ESM 350 - Fundamentals of Environmental Education and Interpretation**

Units: 3  
Theories, processes, goals of environmental education and interpretation, evolution of disciplines, curriculum standards. Program development techniques for environmental and cultural heritage themes. Skill development in program presentation and evaluation.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Related  
Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **ESM 351 - Environmental Interpretation Field Trip**

Units: 1  
Visit sites illustrating issues and techniques of natural resources interpretation. Three-day field trip.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Mandatory CR/NC  
Sustainability: Sustainability Related  
Weekly: Laboratory 3 hrs.

### **ESM 353 - Environmental Education and Interpretation Graphics**

Units: 3  
Theory and skills of written and graphic interpretation techniques. Application to signs, brochures, self-guided trails, exhibits.  
Division: Upper Division  
Requisites: Pre-requisite: ESM 253 and ESM 350.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Related  
Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **ESM 355 - Principles of Ecological Restoration**

Units: 3  
Scientific basis for reconstruction of degraded ecosystems. Focus on practices designed to improve ecological structure and function, and meeting societal needs for sustainable and functional ecosystems.  
Division: Upper Division

Requisites: Pre-requisite: BOT 105; SOIL 260; ESM majors; junior standing or greater.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Focused

Weekly: Lecture 3 hrs.

### **ESM 360 - Introduction to Environmental Planning Methods**

Units: 3

Interdisciplinary planning methods. Application of ecological, economic, and social information and analysis for environmental planning from wildlands to working landscapes, rural and urban communities, at site and landscape scales. Must have sophomore standing or greater. Recommended preparation: ESM 105 and ESM 210.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Focused

Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **ESM 365 - Local Government Planning**

Units: 3

History of resource and land-use planning, planning theory, planning processes, and land development in the US. Overview of current land-use planning issues, processes, and techniques with emphasis at the local and regional levels.

Division: Upper Division

Requisites: Pre-requisite: ESM 360.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Focused

Weekly: Lecture 3 hrs.

### **ESM 370 - Energy, Technology and Society**

Units: 3

Interdisciplinary course in energy, the environment, and society. Focuses on energy and climate change, integrating physical science, social science, and policy dimensions.

Division: Upper Division

Requisites: Pre-requisite: CHEM 107 or CHEM 109; ESM 230; junior standing or greater.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Focused

Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **ESM 410 - Geospatial Capstone**

Units: 4

Bring your multidisciplinary education to bear on real-world issues. Work with clients to apply geospatial methods and technology to environmental and social challenges. Develop professional analytic, communication and presentation skills.

Division: Upper Division

Requisites: Pre-requisite: ESM 230, GSP 216, GSP 316 and GSP 370; senior standing.

Permission to enroll: No Special Consent Required

Grading mode: Mandatory Letter Grade

Sustainability: Sustainability Focused

Weekly: Lecture 3 hrs. Activity 2 hrs.

### **ESM 411 - Energy and Climate Capstone**

Units: 4

Bring your multidisciplinary education to bear on real-world problems. Work with client agencies to evaluate and address critical energy and climate challenges in our community and beyond.

Division: Upper Division

Requisites: Pre-requisite: ESM 370 and ENGR 371; senior or graduate standing; Instructor Approval for non-majors.

Permission to enroll: No Special Consent Required

Grading mode: Mandatory Letter Grade

Sustainability: Sustainability Focused

Weekly: Lecture 3 hrs. Activity 2 hrs.

### **ESM 415 - Recreation and Park Planning Capstone**

Units: 4

Bring your multidisciplinary education to bear on real-world projects, working with client agencies to apply the planning process to parks and natural resource recreation areas.

Division: Upper Division

Requisites: Pre-requisite: ESM 215 and senior standing.

Permission to enroll: No Special Consent Required

Grading mode: Mandatory Letter Grade

Sustainability: Sustainability Related

Weekly: Lecture 3 hrs. Activity 2 hrs.

### **ESM 420 - Ecosystem Analysis**

Units: 3

Inventory and analysis methods for ecosystems based on systems ecology, sustainability science, and resilience theory. Focus on human impacts and management efforts in local landscapes.

Division: Upper Division

Requisites: Pre-requisite: ESM 303 or IA.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Focused

Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **ESM 425 - Environmental Impact Assessment**

Units: 3

Legislative/judicial history and current implementation of National Environmental Policy Act (NEPA) and California Environmental Quality Act (CEQA). Practice analyzing and preparing impact assessments for development projects. Recommended preparation: ESM 325.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Related

Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **ESM 430 - Natural Resource Management in Protected Areas**

Units: 3

Principles/practices managing natural resources in wildland recreation areas. Fire, air, water quality; erosion; endangered species; exotic species control; hazardous features. Case studies.

Division: Upper Division

Requisites: Pre-requisite: STAT 108 or STAT 108I or STAT 109; ESM 303; upper division standing.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Related

Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **ESM 435 - Grant Proposal Writing**

Units: 2

Fundamentals of grant proposal writing, from conception of the idea to writing a coherent and persuasive proposal. Combines critical thinking, communication and quantitative reasoning skills, and critical evaluation of proposals.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 2 hrs.

### **ESM 440 - Managing Recreation Visitors**

Units: 2

Theoretical foundations and practical applications of managing

recreation settings and people who visit them.  
Division: Upper Division  
Requisites: Pre-requisite: ESM 215.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Related  
Weekly: Lecture 2 hrs.

#### **ESM 440L - Managing Recreation Visitors Lab**

Units: 1  
Field trips to state and national parks and forests.  
Division: Upper Division  
Requisites: Pre-requisite: ESM 215.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Related  
Weekly: Laboratory 3 hrs.

#### **ESM 450 - Applied Environmental Education and Interpretation**

Units: 3  
Theories, teaching methods, current research, controversial issues.  
Design of environmental education and interpretation programs for children and adults. Advanced skills in program evaluation.  
Professional development in environmental education and interpretation.  
Division: Upper Division  
Requisites: Pre-requisite: ESM 350 or IA.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Related  
Weekly: Lecture 2 hrs. Laboratory 3 hrs.

#### **ESM 453 - Environmental Education and Interpretation Capstone**

Units: 4  
Bring your multidisciplinary education to bear on real-world projects.  
Work with client agencies to develop interpretive exhibits, panels, and programming, and with local schools to develop science based curriculum.  
Division: Upper Division  
Requisites: Pre-requisite: ESM 353 and ESM 450; or their equivalents.  
Permission to enroll: No Special Consent Required  
Grading mode: Mandatory Letter Grade  
Sustainability: Sustainability Related  
Weekly: Lecture 3 hrs. Activity 2 hrs.

#### **ESM 455 - Ecological Restoration Capstone**

Units: 4  
Bring your multidisciplinary education to bear on real-world projects.  
Work with client agencies to apply the restoration process, devise methods and goals for restoration, develop management strategies for restored sites.  
Division: Upper Division  
Requisites: Pre-requisite: ESM 303 and ESM 355; ESM majors; senior standing or above.  
Permission to enroll: No Special Consent Required  
Grading mode: Mandatory Letter Grade  
Sustainability: Sustainability Focused  
Weekly: Lecture 2 hrs. Laboratory 3 hrs. Second Lecture 1 hr.

#### **ESM 460 - Environmental Planning for Public Lands and Rural Communities**

Units: 3  
Environmental planning processes applied by state and federal agencies and rural communities to manage for desired ecological, economic, and social outcomes on public lands and across rural landscapes. Key themes: collaborative processes, community involvement, stewardship.  
Recommended preparation: ESM 425.  
Division: Upper Division  
Requisites: Pre-requisite: ESM 360.

Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Focused  
Course fees: See class schedule for fee information  
Weekly: Lecture 2 hrs. Laboratory 3 hrs.

#### **ESM 462 - Coastal and Marine Planning**

Units: 3  
Approaches, policies, and politics related to planning and management in coastal and ocean areas. Consider ways to balance coastal and marine ecosystem conservation with a variety of human uses.  
Division: Upper Division  
Requisites: Pre-requisite: ESM 360.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Focused  
Weekly: Lecture 2 hrs. Laboratory 3 hrs.

#### **ESM 471 - Spatial Analysis Lab Projects**

Units: 1  
Intended for students with experience in GIS and/ or Remote Sensing who require the facilities and software tools available in the Spatial Analysis Lab for special projects or research. This course does not count towards graduation units.  
Division: Upper Division  
Requisites: Pre-requisite: GSP 216 or GSP 270 or GSP 326 or GSP 330 or GSP 370 or GSP 436 or GSP 470 or GSP 570. AU.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Audit grade only  
Weekly: Supervision hrs TBD

#### **ESM 475 - Environmental Planning and Policy Capstone**

Units: 4  
Bring your multidisciplinary education to bear on real-world projects.  
Apply research skills in response to a community client's request for assistance with an environmental planning or policy topic.  
Division: Upper Division  
Requisites: Pre-requisite: ESM 365; ESM 425 (C) and (ESM 460 (C) or ESM 462); senior standing.  
Permission to enroll: No Special Consent Required  
Grading mode: Mandatory Letter Grade  
Sustainability: Sustainability Related  
Weekly: Lecture 2 hrs. Laboratory 6 hrs.

#### **ESM 480 - Selected Topics**

Units: 0.5-3  
Planning, ecology, administration, law, ethics, or other topics of current interest. Variable format.  
Division: Upper Division  
Repeats: Repeatable for Credit  
Permission to enroll: Instructor Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Related  
Weekly: Seminar hrs TBD

#### **ESM 480L - Selected Topics/Lab**

Units: 0.5-3  
Planning, ecology, administration, law, ethics, or other topics of current interest. Lab/field format.  
Division: Upper Division  
Requisites: May require pre-requisites.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Related  
Course fees: See class schedule for fee information  
Weekly: Laboratory hrs TBD

### **ESM 482 - Internship**

Units: 2-3

Students implement the theory and practice of their major by working for a public agency or private firm/organization.

Division: Upper Division

Requisites: Pre-requisite: Advanced standing and instructor consent.

Permission to enroll: No Special Consent Required

Grading mode: Mandatory CR/NC

Sustainability: Sustainability Related

Zero cost course materials: No Course Materials Required

Academic internship course: Yes

Course fees: See class schedule for fee information

Weekly: Supervision hrs TBD

### **ESM 499 - Directed Study**

Units: 1-3

Individualized research/study project.

Division: Upper Division

Requisites: Pre-requisite: junior/senior standing.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Supervision hrs TBD

### **ESM 510 - Research Methods in Human Dimensions of Natural Resources**

Units: 4

Overview of key quantitative and qualitative research methods related to human dimensions of natural resources. Social science research ethics, design, implementation, and analysis techniques. Practice implementing methods.

Division: Graduate

Requisites: Pre-requisite: graduate standing or IA.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Related

Weekly: Lecture 3 hrs. Laboratory 3 hrs.

### **ESM 555 - Applied Ecological Restoration**

Units: 4

Project-based course provides graduate students with experience related to the planning, design, implementation, and monitoring of restoration projects, including research techniques. Additional rigor required for graduate students. Prior coursework in ecology, conservation and/or ecological restoration are recommended.

Division: Graduate

Requisites: Pre-requisite: graduate standing; IA.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Focused

Weekly: Lecture 3 hrs. Laboratory 3 hrs.

### **ESM 580 - Selected Topics**

Units: 1-3

Interpretation, planning, ecology, administration, law, ethics, other topics of interest.

Division: Graduate

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Related

Weekly: Seminar hrs TBD

### **ESM 597 - Mentoring and Teaching-Associate Training**

Units: 1-4

Train in course preparation and delivery. Advanced majors and grad students take this prior to or concurrent with teaching-assistant or teaching-associate assignments. No credit toward graduate degree.

Division: Graduate

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Supervision hrs TBD

### **ESM 620 - Ecosystems and Society**

Units: 3

Exploration of sustainability science based approaches to an integrated understanding of ecosystems and society and implications for ecological and social resilience, adaptation, and transformation.

Division: Graduate

Requisites: Pre-requisite: must have graduate standing.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Focused

Weekly: Seminar 3 hrs.

### **ESM 685 - Graduate Seminar**

Units: 1-3

Topics of current interest.

Division: Graduate

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Related

Weekly: Seminar hrs TBD

### **ESM 690 - Thesis**

Units: 1-4

Division: Graduate

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Mandatory CR/NC

Zero cost course materials: No Course Materials Required

Weekly: Supervision hrs TBD

### **ESM 695 - Field Research**

Units: 1-4

Division: Graduate

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Mandatory CR/NC

Zero cost course materials: No Course Materials Required

Weekly: Supervision hrs TBD

### **ESM 699 - Directed Study**

Units: 1-4

Division: Graduate

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Supervision hrs TBD

## **Environmental Studies**

### **ENST 120 - Introductory Seminar in Environmental Studies**

Units: 1

This seminar introduces the environmental studies major and facilitates thoughtful selection of a "emphasis area."

Division: Lower Division

Requisites: Pre-requisite: environmental studies major; senior/graduate standing excluded.

Permission to enroll: No Special Consent Required

Grading mode: Mandatory CR/NC

Sustainability: Sustainability Focused

Weekly: Seminar 1 hr.

### **ENST 123 - CCAT Practicum: Variable Topics**

Units: 1

Guided learning of appropriate technologies and permaculture systems. Project experience at Campus Center for Appropriate Technology (CCAT). Variable topics may include: green building, urban homesteading, eco-craft, and organic gardening.

Division: Lower Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Mandatory CR/NC

Sustainability: Sustainability Focused

Weekly: Tutorial hrs TBD

### **ENST 195 - Topics in Nature/Culture**

Units: 3

This course introduces students to the interdisciplinary field of environmental studies by approaching an environmental problem, such as climate change or human-animal relationships, from a variety of disciplinary perspectives.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Mandatory Letter Grade

Sustainability: Sustainability Focused

Weekly: Lecture 3 hrs.

### **ENST 280 - Special Topics**

Units: 3

Special topics in environmental studies.

Division: Lower Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Mandatory Letter Grade

Sustainability: Sustainability Focused

Weekly: Lecture 2 hrs. Supervision hrs TBD

### **ENST 295 - Power, Privilege and the Environment**

Units: 4

Explores the environment as a central element in the reproduction of patterns of power and privilege along lines of race, class, and gender. Examines how environmental conflicts challenge those patterns.

Division: Lower Division

Requisites: Pre-requisite: ENST 120 and environmental studies major.

Permission to enroll: No Special Consent Required

Grading mode: Mandatory Letter Grade

All University Requirements: DCG: Domestic

Sustainability: Sustainability Focused

Weekly: Lecture 4 hrs.

### **ENST 381 - Climate Justice and Sustainability Leadership Practicum**

Units: 1

Offers hands-on experiences to foster skills in leadership, climate justice, and environmental sustainability. Topics vary depending on instructor expertise.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Mandatory CR/NC

Sustainability: Sustainability Focused

Weekly: Activity 2 hrs.

### **ENST 395 - Environmental Studies Research and Analysis**

Units: 4

Introduction to academic research approaches appropriate to environmental studies; includes qualitative, quantitative, and examination of environmental knowledge.

Division: Upper Division

Requisites: Pre-requisite: ENST 295 and Environmental Studies major.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Focused

Weekly: Lecture 4 hrs.

### **ENST 470 - Climate Justice and Sustainability Leadership**

Units: 4

Climate Justice Leadership. Analyze forms of social change and leadership and reflect on the underlying patterns, beliefs, structures, systems, and conditions that give rise to twin crises of climate change and inequality. Training in both theory and praxis of leadership in climate justice and resilience. Experiential learning to build capacity to comprehend the forces at play, develop strategic interventions, effect systemic change, build resilience, and co-create a life-sustaining society.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Mandatory Letter Grade

Sustainability: Sustainability Focused

Weekly: Lecture 4 hrs.

### **ENST 471 - Arts, Climate, and Health Justice**

Units: 3

Explore the relationship between climate justice and health justice. Understand the relationship between culture and health. Engage in artistic practice as a means of intervening in systems of injustice. Develop familiarity with arts in public health models.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Related

Zero cost course materials: Zero Cost Course Materials

Weekly: Lecture 3 hrs.

### **ENST 480 - Special Topics**

Units: 3

Special topics in environmental studies.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Mandatory Letter Grade

Sustainability: Sustainability Focused

Weekly: Lecture hrs TBD

### **ENST 490 - Environmental Studies Capstone Experience**

Units: 4

Capstone experience for environmental studies majors. Students to apply knowledge of environmental systems to practical problems. course will entail either group of individual projects.

Division: Upper Division

Requisites: Pre-requisite: ENST 395, Environmental Studies major with junior standing or above.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Focused

Zero cost course materials: No Course Materials Required

Weekly: Seminar 3 hrs. Tutorial hrs TBD

### **ENST 490S - Environmental Studies Capstone Experience with Service Learning**

Units: 4

Capstone experience for environmental studies majors. Students to apply knowledge of environmental systems to practical problems. course will entail either group of individual projects.

Division: Upper Division

Requisites: Pre-requisite: ENST 395, Environmental Studies major with junior standing or above.

Permission to enroll: No Special Consent Required

Grading mode: Mandatory Letter Grade

Sustainability: Sustainability Focused

Service learning course: Yes  
Weekly: Seminar 3 hrs. Tutorial hrs TBD

### **ENST 499 - Directed Study**

Units: 1-4  
Assigned reading or research in specific topic. Open to advanced students with Instructor Approval.  
Division: Upper Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Focused  
Zero cost course materials: No Course Materials Required  
Weekly: Supervision hrs TBD

## **Ethnic Studies**

### **ES 105 - Introduction to US Ethnic Studies**

Units: 3  
Comparative history of racialized groups in the US, with particular emphases on the manner in which race, ethnicity, class, and gender inform this history.  
Division: Lower Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE D: Social Sciences, GE F: Ethnic Studies  
All University Requirements: DCG: Domestic  
Sustainability: Sustainability Related  
Weekly: Lecture 3 hrs.

### **ES 106 - Introduction to Black Studies**

Units: 3  
Course examines literature, music, dance, and film produced by people of African descent in the US. Studies race, class, and gender to assess similarities and differences in the Black experience.  
Division: Lower Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE C2: Humanities, GE F: Ethnic Studies  
All University Requirements: DCG: Domestic  
Weekly: Lecture 3 hrs.

### **ES 107 - Chican@/Latinx Lives**

Units: 3  
Chican@/Latinx cultural production and its relationship: to U.S. culture; to other U.S. ethnic and racial groups; and to Latin American homelands. Readings focus on writers from various Latinx groups.  
Division: Lower Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE C2: Humanities, GE F: Ethnic Studies  
All University Requirements: DCG: Domestic  
Weekly: Lecture 3 hrs.

### **ES 202 - Hip Hop and the Black Experience**

Units: 3  
Utilizes Hip Hop to explore the complexities of America's system of oppression, privileging the voices of Black people and other oppressed groups as they struggle for political, social, and economic power.  
Division: Lower Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE F: Ethnic Studies  
All University Requirements: DCG: Domestic  
Weekly: Lecture 3 hrs.

### **ES 210 - CouRaGeouS Cuentos Production**

Units: 2  
Edit and produce CouRaGeouS Cuentos, the annual CRGS student

journal. Gain experience on the evaluation of submissions, curating a body of work, copyediting, typesetting, and designing. Organize release party.

Division: Lower Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Activity 4 hrs.

### **ES 280 - Selected Topics in Ethnic Studies**

Units: 1-4  
Division: Lower Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture hrs TBD

### **ES 301 - Media and the Politics of Representation**

Units: 4  
Examines historical and contemporary constructions of race in US media, binary of blackness/whiteness, and representation of various ethnic groups in relation to binary. Analyzes race, class, gender, sexuality, nation.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE F: Ethnic Studies  
All University Requirements: DCG: Domestic  
Weekly: Seminar 4 hrs.

### **ES 302 - Asian American Studies**

Units: 3  
Analyze the diversity of Asian American experiences, literatures, critical thought, and movement-building. Address social, historical, intellectual and literary contexts, with attention to intersections of race, ethnicity, gender, class, sexuality, ability, and nationality.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE F: Ethnic Studies  
Weekly: Lecture 3 hrs.

### **ES 303 - From Civil Rights, Black Power to Black Lives Matter**

Units: 3  
Critique Black Social Movements and Black liberation strategies, Martin Luther King, Malcolm X, Angela Davis, Black Panthers.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE F: Ethnic Studies  
All University Requirements: DCG: Domestic  
Sustainability: Sustainability Related  
Weekly: Lecture 3 hrs.

### **ES 304 - Migrations and Mosaics**

Units: 3  
Cross-listed with: GEOG 304  
Role of international and internal migrations in shaping American population and society. Study of full range of ethnic mosaics.  
Division: Upper Division  
Requisites: Majors must also take GEOG 304M when offered.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE UD Area D: Social Sciences  
All University Requirements: DCG: Domestic  
Weekly: Lecture hrs TBD

### **ES 305 - African American Cultural History**



Units: 3

Within context of American history, analyze African American heritage from its origins through the present.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE UD Area C: Art & Humanities, GE F: Ethnic Studies

All University Requirements: DCG: Domestic

Weekly: Lecture 3 hrs.

### **ES 306 - World Regions Cultural Studies**

Units: 3

Culture, values, and social interaction in cultures of a world region (North America, Latin America, Oceania, Middle East, Asia).

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE UD Area D: Social Sciences

All University Requirements: DCG: Non-Domestic

Weekly: Lecture 3 hrs.

### **ES 307 - Multicultural History of Africa**

Units: 3

A study of precolonial, colonial, and postcolonial history and societies of Africa. Institutions, government, slavery, Pan-Africanism, industries, women's roles/rights, youth, education, health, migrations, globalization and local economies, foreign relations. Recommended preparation: completion of lower division general education.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE UD Area D: Social Sciences

Sustainability: Sustainability Related

Weekly: Lecture 3 hrs.

### **ES 308 - Multi-Ethnic Resistance in the U.S.**

Units: 3

Examines historical/sociocultural perspectives of U.S. ethnic minorities. Investigates marginalized communities' rebellion/sustained resistance against past/present oppression. Examines role of state and marginalized groups' agency in challenging national narratives.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE UD Area D: Social Sciences, GE F: Ethnic Studies

All University Requirements: DCG: Domestic

Weekly: Lecture 3 hrs.

### **ES 310 - U.S. and Mexico Border**

Units: 4

Overview of Mexico: from its indigenous roots, through formation of Spanish colonial society, to an independent nation-state. Cultural conflict and social change.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

All University Requirements: DCG: Non-Domestic

Sustainability: Sustainability Related

Weekly: Lecture 4 hrs.

### **ES 314 - Chicano Culture and Society in America**

Units: 3

From establishment of 16th century Spanish frontier settlements. Formation of Mexican regional cultures; status of an American racial/cultural minority.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

All University Requirements: DCG: Domestic

Weekly: Lecture 3 hrs.

### **ES 317 - Campus Dialogue on Race**

Units: 1

Engage in annual Campus Dialogue on Race events through readings, discussion, and analysis. Explore impact of racism and its intersections with all forms of oppression. Attend events relating to racial justice and social transformation.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Mandatory CR/NC

Weekly: Lecture 1 hr.

### **ES 336 - U.S. Writers of Color**

Units: 4

Cross-listed with: ENGL 336, WS 336

Read U.S. writers of color and immigrant writers in social and literary contexts. Examine counter narratives and the creation of new literary traditions in the face of cultural and sociopolitical exclusion. Topics vary.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

All University Requirements: DCG: Domestic

Weekly: Lecture 4 hrs.

### **ES 396 - International Latino Film Seminar**

Units: 1

Cross-listed with: HIST 396, SPAN 396

This seminar presents and discusses three films from the Hispanic world, in Spanish with English subtitles.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Mandatory CR/NC

Zero cost course materials: Zero Cost Course Materials

Weekly: Lecture 1 hr.

### **ES 465B - Multicultural Issues in Literature/Languages**

Units: 4

Cross-listed with: ENGL 465B, WS 465B

Themes, genres, figures, theories, or movements in literary or linguistics study in relation to issues of ethnicity and/or gender.

Division: Upper Division

Requisites: Pre-requisite: ENGL 103 or ENGL 104 or ENGL 104S.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

All University Requirements: DCG: Domestic

Weekly: Lecture 4 hrs.

### **ES 465C - Multicultural Issues in Literature/Languages**

Units: 4

Cross-listed with: ENGL 465C, WS 465C

Themes, genres, figures, theories, or movements in literary or linguistics study in relation to issues of ethnicity and/or gender.

Division: Upper Division

Requisites: Pre-requisite: ENGL 103 or ENGL 104 or ENGL 104S.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

All University Requirements: DCG: Non-Domestic

Weekly: Lecture 4 hrs.

### **ES 480 - Selected Topics in Ethnic Studies**

Units: 1-4  
Division: Upper Division  
Requisites: Pre-requisite: two previous courses in ethnic studies or IA.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar hrs TBD

### **ES 499 - Directed Study**

Units: 1-3  
Individual study on selected problems. Take only one ES 499 class per semester and four ES 499 classes during Cal Poly Humboldt academic career. Both provisions subject to petition.  
Division: Upper Division  
Requisites: Advanced students only.  
Permission to enroll: Instructor Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Supervision hrs TBD

### **ES 680 - Graduate Seminar**

Units: 1-4  
Intensive study of specialized topics.  
Division: Graduate  
Requisites: Pre-requisite: graduate standing.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar hrs TBD

### **ES 690 - Thesis**

Units: 1-3  
Division: Graduate  
Requisites: Pre-requisite: advancement to candidacy.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar hrs TBD

### **ES 699 - Independent Study**

Units: 1-3  
Individual study on selected problems.  
Division: Graduate  
Repeats: Repeatable for Credit  
Permission to enroll: Instructor Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Supervision hrs TBD

## **Film**

For courses marked with an asterisk (\*), frequency depends on staff resources/student need.

### **FILM 102 - Introduction to Radio, TV and Film**

Units: 3  
Major developments from beginnings to the present.  
Division: Lower Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE C1: Arts  
Zero cost course materials: Zero Cost Course Materials  
Weekly: Lecture 2 hrs. Activity 2 hrs.

### **FILM 109 - Film Comedy Around the World**

Units: 3  
This course explores world cultures through the lens of comedy. Comedy reveals power groups, attitudes about gender, ethnicity, race, class, and other social issues. Students will view and discuss films.  
Division: Lower Division

Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE C1: Arts  
All University Requirements: DCG: Non-Domestic  
Zero cost course materials: Zero Cost Course Materials  
Weekly: Lecture 2 hrs. Activity 2 hrs.

### **FILM 260 - Film Festival**

Units: 2  
Pre-screenings and behind-the-scenes activities for the world's oldest student-run film festival that will deepen sociopolitical understanding and provide insights to contemporary short film processes, aesthetics, and constructs.  
Division: Lower Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 2 hrs.

### **FILM 305 - Art of Film: Beginning to 1950s**

Units: 3  
Motion picture as popular art. Contributions of individual artists in historical contexts.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE UD Area C: Art & Humanities  
Zero cost course materials: Zero Cost Course Materials  
Weekly: Lecture 2 hrs. Activity 2 hrs.

### **FILM 306 - Art of Film: 1950s to the Present**

Units: 3  
Motion picture as popular art. Contributions of individual artists in their historical contexts.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE UD Area C: Art & Humanities  
Zero cost course materials: Zero Cost Course Materials  
Weekly: Lecture 2 hrs. Activity 2 hrs.

### **FILM 315 - Filmmaking I**

Units: 4  
Introduction to fundamentals of filmmaking using the basic tools of 16mm and digital media.  
Division: Upper Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs. Activity 2 hrs.

### **FILM 317 - Art of Film Discussion: Pre 1950s**

Units: 1  
Motion picture as popular art. Contributions of individual artists in their historical contexts. Film majors and minors to take concurrently with FILM 305.  
Division: Upper Division  
Requisites: Co-requisite: FILM 305.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: Zero Cost Course Materials  
Weekly: Seminar 1 hr.

### **FILM 318 - Art of Film Discussion: Post 1950s**

Units: 1  
Motion picture as popular art. Contributions of individual artists in their historical contexts. Film majors and minors to take concurrently with FILM 306.

Division: Upper Division  
Requisites: Co-requisite: FILM 306.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: Zero Cost Course Materials  
Weekly: Seminar 1 hr.

### **FILM 350 - Writing for Film**

Units: 4  
Writing short scripts and treatments for indie experimental, documentary, and narrative films using 3-Act structure and story-craft. Developed scripts and treatments are offered to production courses.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs. Activity 2 hrs.

### **FILM 360 - Science, Environment and Natural History Digital Production**

Units: 4  
Examines how science, environment, and natural history films are used as a tool of scientific inquiry, discovery, and social change.  
Division: Upper Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs. Activity 2 hrs.

### **FILM 362 - Social Change Digital Production**

Units: 4  
Examines how social change digital media is a tool that increases awareness and modifies behavior. Develop and produce short digital media social change productions.  
Division: Upper Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs. Activity 2 hrs.

### **FILM 375 - Filmmaking II**

Units: 4  
Intermediate course expanding on fundamentals of lighting, cinematography, digital editing and audio field production. Create short fiction and nonfiction films.  
Division: Upper Division  
Requisites: Pre-requisite: FILM 315 or IA.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs. Activity 2 hrs.

### **FILM 378 - Film/Digital Production Workshop**

Units: 1-4  
Special topics in film and/or digital production. Structure and curriculum varies.  
Division: Upper Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture hrs TBD

### **FILM 380 - Film Studies**

Units: 1-4  
Topics fit needs/ interests of class. Frequency depends on staff resources/student need.  
Division: Upper Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis  
Weekly: Seminar hrs TBD

### **FILM 415 - Filmmaking III**

Units: 4  
Advanced film production. Students produce short films that include sound mixing, color correction, and graphics.  
Division: Upper Division  
Requisites: Pre-requisite: FILM 375 or IA.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs. Activity 2 hrs.

### **FILM 425 - Film Directing and Production Processes**

Units: 4  
Students examine professional directing practices for the moving image, including production processes every director must master.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 3 hrs. Activity 2 hrs.

### **FILM 455 - Grant Writing**

Units: 4  
Fundamental practices of proposal development and grant writing; applicable to all professions. Hands-on activities as grantee and grantor. Emphasis on post-graduation grant writing. Includes working with a fiscal agent.  
Division: Upper Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs. Activity 2 hrs.

### **FILM 455S - Grant Writing**

Units: 4  
Fundamental practices of proposal development and grant writing; applicable to all professions. Hands-on activities as grantee and grantor. Emphasis on post-graduation grant writing. Includes working with a fiscal agent.  
Division: Upper Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: Zero Cost Course Materials  
Service learning course: Yes  
Weekly: Lecture 3 hrs. Activity 2 hrs.

### **FILM 465 - Film Seminar**

Units: 4  
Seminar on film-related topics.  
Division: Upper Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 4 hrs.

### **FILM 475 - Filmmaking IV**

Units: 4  
Capstone course. Students pitch, develop, shoot, and complete a short film. Basic distribution materials developed.  
Division: Upper Division  
Requisites: Pre-requisite: FILM 415, junior or senior standing.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs. Activity 2 hrs.

### **FILM 478 - Advanced Film/Digital Production Workshop**

Units: 1-4

Special advanced topics in film and/or digital production. Structure and curriculum varies.

Division: Upper Division

Requisites: Pre-requisite: FILM 315 or IA.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture hrs TBD

### **FILM 480 - Special Topics in Film**

Units: 1-4

Variable topics. Frequency depends on staff resources/student need.

Check with Department for upcoming topics.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar hrs TBD

### **FILM 499 - Directed Study**

Units: 1-6

Individual work on selected problems in Film. Frequency depends on staff resources/student need.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Supervision hrs TBD

## **Fisheries Biology**

### **FISH 260 - Fish Conservation and Management**

Units: 3

Introduction to fisheries science. Overview of relationships between fish and people, including law and regulatory agencies, management programs, and conservation.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Focused

Zero cost course materials: Zero Cost Course Materials

Weekly: Lecture 2 hrs. Activity 2 hrs.

### **FISH 300 - Introduction to Fishery Biology**

Units: 3

Identification, life histories, and ecology of important freshwater and marine fishes. Principles of fisheries management and its relationships with management of other resources.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE UD Area B: Math & Science

Sustainability: Sustainability Focused

Weekly: Lecture 3 hrs.

### **FISH 310 - Ichthyology**

Units: 4

Biology of fishes and fishlike vertebrates. Anatomy/concepts of systematics of fishes; classifying fishes, particularly commercial, game, and forage species.

Division: Upper Division

Requisites: Pre-requisite: ZOO 110.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 3 hrs. Laboratory 3 hrs.

### **FISH 311 - Fish Physiology**

Units: 3

Physiology of lower vertebrate organ systems. Efficient management and culture of the animal as a renewable resource.

Division: Upper Division

Requisites: Pre-requisite: FISH 310, STAT 109.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **FISH 314 - Fishery Science Communication**

Units: 3

Technical literature; library usage; reporting. Organize/communicate written and oral scientific information.

Division: Upper Division

Requisites: Pre-requisite: STAT 109 and FISH 310. FISH 310 may be taken concurrently.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: Zero Cost Course Materials

Weekly: Lecture 2 hrs. Activity 2 hrs.

### **FISH 320 - Limnology**

Units: 3

Lake formation and aging. Physical, chemical, and behavioral relationships between organisms and their environments.

Division: Upper Division

Requisites: Pre-requisite: CHEM 107 or CHEM 109 or equivalent, and STAT 109.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: Zero Cost Course Materials

Weekly: Lecture 3 hrs.

### **FISH 320L - Limnology Practicum**

Units: 1

Survey lakes and streams. Survey equipment; analytical instruments; field and lab methods. Weekend field trips.

Division: Upper Division

Requisites: Co-requisite: FISH 320.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Laboratory 3 hrs.

### **FISH 335 - US and World Fisheries**

Units: 3

Location of, and species taken in, commercial fisheries. Their importance to world food supply. Methods of harvest and products marketed. Economic problems of common property resources. Some weekend and after-hours field trips required.

Division: Upper Division

Permission to enroll: Instructor Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Focused

Zero cost course materials: Zero Cost Course Materials

Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **FISH 358 - Fisheries Data Analysis**

Units: 4

Introduction to quantitative fisheries methods including statistical methods, basic sampling and experimental design, and models for fish growth, recruitment, mortality, and population dynamics. Focus on applications and interpretation.

Division: Upper Division

Requisites: Pre-requisite: MATH 101 or MATH 101I or MATH 102 or equivalent, and STAT 108 or STAT 108I or STAT 109.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 3 hrs. Activity 2 hrs.

**FISH 370 - Aquaculture**

Units: 4

Culture and breeding of freshwater and marine fishes, sport and commercial. Operating fresh and saltwater hatcheries. Care and use of fishes as experimental animals.

Division: Upper Division

Requisites: Pre-requisite: FISH 310 or IA.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Related

Weekly: Lecture 3 hrs. Laboratory 3 hrs.

**FISH 375 - Mariculture**

Units: 3

Controlled spawning, cultivation, harvesting, processing, and marketing of marine and estuarine algae, invertebrates, and fishes. How laws and regulations, engineering, and economics affect culture on a worldwide basis. Culture of food items used in rearing marine and estuarine species. Lab requires after-hours time at marine lab.

Division: Upper Division

Requisites: Pre-requisite: FISH 310 or ZOO 314.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Focused

Weekly: Lecture 2 hrs. Laboratory 3 hrs.

**FISH 380 - Techniques in Fishery Biology**

Units: 3

Overview of fishery research methods: sampling theory, collection gear, stock identification methods, age and growth, tagging, and estimation of population size.

Division: Upper Division

Requisites: Pre-requisite: FISH 310 (C) and STAT 109 (C), or IA.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 2 hrs. Laboratory 3 hrs.

**FISH 410 - Topics in Advanced Ichthyology**

Units: 3

Co-listed with: FISH 510

Advanced topics in ichthyology such as phylogeny, zoogeography, fish families of the world, early life history of fish, or biology of particular groups of fish (e.g. sharks and rays).

Division: Upper Division

Requisites: Pre-requisite: FISH 310.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Mandatory Letter Grade

Weekly: Lecture 2 hrs. Laboratory 3 hrs.

**FISH 434 - Ecology of Freshwater Fish**

Units: 4

Distribution, diversity, and abundance of freshwater and anadromous fish. Covers evolution, life history strategies, behavior, physiology, and interactions between species, including relevance for conservation and management. Focus on local species, particularly Pacific salmon and trout.

Division: Upper Division

Requisites: Pre-requisite: STAT 109, FISH 310 or IA.

Permission to enroll: No Special Consent Required

Grading mode: Mandatory Letter Grade

Sustainability: Sustainability Related

Zero cost course materials: Zero Cost Course Materials

Weekly: Lecture 3 hrs. Laboratory 3 hrs.

**FISH 435 - Ecology of Marine Fish**

Units: 4

Environmental influences on life history, behavior, growth, and survival of marine and anadromous fishes. Some weekend and after-hours field

trips.

Division: Upper Division

Requisites: Pre-requisite: FISH 310 and (OCN 109 (if taken prior to fall 2015) or OCN 109 and OCN 109L, or IA.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Related

Weekly: Lecture 3 hrs. Laboratory 3 hrs.

**FISH 443 - Problems in Water Pollution Biology**

Units: 3

Nature, scope, magnitude, and significance of water pollution; common pollutant materials; their nature, sources, and effects in natural waters; detection, surveillance, and abatement.

Division: Upper Division

Requisites: Pre-requisite: FISH 320/FISH 320L or 8 units of upper division biology; one year of chemistry.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Related

Weekly: Lecture 2 hrs. Laboratory 3 hrs.

**FISH 446 - Aquatic Ecosystem Modeling**

Units: 3

Co-listed with: FISH 546

Using statistical and theoretical models to understand the processes that influence the structure and function of aquatic populations and communities. Methods may include spatial analyses, time-series, bioenergetics, and individual based models.

Division: Upper Division

Requisites: Pre-requisite: STAT 333 or instructor approval

Permission to enroll: No Special Consent Required

Grading mode: Mandatory Letter Grade

Sustainability: Sustainability Related

Zero cost course materials: Zero Cost Course Materials

Weekly: Lecture 2 hrs. Activity 2 hrs.

**FISH 458 - Fish Population Dynamics**

Units: 4

Co-listed with: FISH 558

Classical theory and analysis of exploited fish populations. Mortality, growth, recruitment, and yield models are derived, evaluated, and applied to fishery data. Estimates of survival and population size.

Division: Upper Division

Requisites: Pre-requisite: MATH 105, STAT 109, and IA.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Related

Zero cost course materials: Zero Cost Course Materials

Weekly: Lecture 3 hrs. Activity 2 hrs.

**FISH 460 - Advanced Fish Conservation and Management**

Units: 3

Overview of theoretical and practical constraints of fish conservation and management with focus on use of quantitative tools. Examination of how laws and values shape the objectives of management.

Division: Upper Division

Requisites: Pre-requisite: FISH 434 (C) or FISH 435 (C).

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Focused

Zero cost course materials: Zero Cost Course Materials

Weekly: Seminar 3 hrs.

**FISH 470 - River Fish Restoration Ecology**

Units: 3

Principals of ecological restoration applied to river fishes, emphasis on biological, physical and watershed processes.

Division: Upper Division

Requisites: Pre-requisite: FISH 310.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Related  
Weekly: Lecture 2 hrs. Laboratory 3 hrs.

#### **FISH 471 - Fish Diseases**

Units: 3  
Prevent, diagnose, manage, and treat infectious and noninfectious fish diseases.  
Division: Upper Division  
Requisites: Pre-requisite: FISH 310 or equivalent, or IA.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 2 hrs. Laboratory 3 hrs.

#### **FISH 472 - Advanced Aquaculture**

Units: 3  
Principles of hatchery management, including the biology of fish reproduction, spawning techniques, egg incubation, and larval rearing.  
Division: Upper Division  
Requisites: Pre-requisite: FISH 370 or FISH 375.  
Permission to enroll: No Special Consent Required  
Grading mode: Mandatory Letter Grade  
Weekly: Lecture 2 hrs. Laboratory 3 hrs.

#### **FISH 474 - Conservation Genetics of Fish and Wildlife**

Units: 4  
Application of molecular methods to conservation, management, ecology, and evolution of fish and wildlife.  
Division: Upper Division  
Requisites: Pre-requisite: BIOL 105 or equivalent.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Related  
Weekly: Seminar 3 hrs. Laboratory 3 hrs.

#### **FISH 476 - Ecology of Running Waters**

Units: 3  
Characterization of the physical and chemical environment, adaptations, distribution, and interactions of riverine biota, ecosystem structure and dynamics, and response to human alteration.  
Division: Upper Division  
Requisites: Pre-requisite: FISH 310 or IA.  
Permission to enroll: No Special Consent Required  
Grading mode: Mandatory Letter Grade  
Sustainability: Sustainability Related  
Weekly: Lecture 2 hrs. Laboratory 3 hrs.

#### **FISH 478 - Fisheries Oceanography**

Units: 3  
Co-listed with: FISH 578  
Introduction to how climate and oceanographic processes affect the dynamics of marine populations, ecosystems, and fisheries, and how oceanography informs management of marine ecosystems.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Related  
Zero cost course materials: Zero Cost Course Materials  
Weekly: Lecture 2 hrs. Activity 2 hrs.

#### **FISH 480 - Selected Topics in Fisheries**

Units: 1-4  
Division: Upper Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar hrs TBD

#### **FISH 480L - Selected Topics in Fisheries Lab**

Units: 1-2  
Division: Upper Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Laboratory hrs TBD

#### **FISH 490 - Honors Thesis Research**

Units: 1-4  
Division: Upper Division  
Requisites: Pre-requisite: FISH 314 or BIOL 369 or equivalent; GPA of 3.2 or higher. Prior to enrollment, file a formal application, including a research proposal.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: Zero Cost Course Materials  
Weekly: Supervision hrs TBD

#### **FISH 499 - Directed Study**

Units: 1-4  
Independent study culminating in tangible evidence of academic accomplishment.  
Division: Upper Division  
Requisites: Pre-requisite: upper division standing.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: Zero Cost Course Materials  
Weekly: Supervision hrs TBD

#### **FISH 510 - Topics in Advanced Ichthyology**

Units: 3  
Co-listed with: FISH 410  
Advanced topics in ichthyology such as phylogeny, zoogeography, fish families of the world, early life history of fish, or biology of particular groups of fish (e.g. sharks and rays).  
Division: Graduate  
Requisites: Pre-requisite: FISH 310 or equivalent.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 2 hrs. Laboratory 3 hrs.

#### **FISH 546 - Aquatic Ecosystem Modeling**

Units: 3  
Co-listed with: FISH 446  
Using statistical and theoretical models to understand the processes that influence the structure and function of aquatic populations and communities. Methods may include spatial analyses, time-series, bioenergetics, and individual based models.  
Division: Graduate  
Requisites: Pre-requisite: STAT 333 or Instructor Approval  
Permission to enroll: No Special Consent Required  
Grading mode: Mandatory Letter Grade  
Zero cost course materials: Zero Cost Course Materials  
Weekly: Lecture 2 hrs. Activity 2 hrs.

#### **FISH 558 - Fish Population Dynamics**

Units: 4  
Co-listed with: FISH 458  
Theory and analysis of exploited fish populations. Meets jointly with FISH 458. Students in FISH 558 are expected to develop a fish populations dynamics case study and report findings to class.  
Division: Graduate  
Requisites: Pre-requisite: STAT 109 and MATH 105 (C).  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis

Sustainability: Sustainability Related  
Zero cost course materials: Zero Cost Course Materials  
Weekly: Lecture 3 hrs. Activity 2 hrs.

### **FISH 570 - River Fish Restoration Ecology**

Units: 3  
Principals of ecological restoration applied to river fishes, emphasis on biological, physical and watershed processes.  
Division: Graduate  
Requisites: Pre-requisite: FISH 310 or IA.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Related  
Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **FISH 571 - Advanced Fish Disease and Pathology**

Units: 3  
Epidemiology, pathology, diagnosis, and treatment of infectious and noninfectious fish diseases.  
Division: Graduate  
Requisites: Pre-requisite: FISH 471 and IA.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **FISH 576 - Ecology of Running Waters**

Units: 3  
Characterization of the physical and chemical environment, adaptations, distribution, and interactions of riverine biota, ecosystem structure and dynamics, and response to human alteration.  
Division: Graduate  
Requisites: Pre-requisite: graduate standing.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Related  
Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **FISH 578 - Fisheries Oceanography**

Units: 3  
Co-listed with: FISH 478  
Introduction to and directed study of how climate and oceanographic processes affect the dynamics of marine populations, ecosystems, and fisheries, and how oceanography informs management of marine ecosystems.  
Division: Graduate  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Related  
Zero cost course materials: Zero Cost Course Materials  
Weekly: Lecture 2 hrs. Activity 2 hrs.

### **FISH 580 - Advanced Study in Fishery Biology and Management**

Units: 1-4  
Theories, principles, techniques.  
Division: Graduate  
Requisites: Co-requisite: FISH 580L taken concurrently as appropriate to instructor and topic.  
Repeats: Repeatable for Credit  
Permission to enroll: Instructor Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar hrs TBD

### **FISH 580L - Advanced Study in Fishery Biology and Management Lab**

Units: 1-2  
Theories, principles, techniques.  
Division: Graduate  
Requisites: Co-requisite: FISH 580 taken concurrently as appropriate to instructor and topic.

Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Laboratory hrs TBD

### **FISH 685 - Graduate Fisheries Seminar**

Units: 1  
Discuss and review advanced topics.  
Division: Graduate  
Requisites: Pre-requisite: grad standing.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Mandatory CR/NC  
Zero cost course materials: Zero Cost Course Materials  
Weekly: Seminar 1 hr.

### **FISH 690 - Thesis**

Units: 1-4  
Division: Graduate  
Requisites: Pre-requisite: grad standing.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: Zero Cost Course Materials  
Weekly: Supervision hrs TBD

### **FISH 695 - Research Problems in Fisheries**

Units: 1-4  
Individual research on advanced lab or field problems.  
Division: Graduate  
Requisites: Pre-requisite: grad standing.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: Zero Cost Course Materials  
Weekly: Supervision hrs TBD

### **FISH 699 - Directed Study**

Units: 1-4  
Advanced independent studies terminating in tangible evidence of academic accomplishment.  
Division: Graduate  
Requisites: Pre-requisite: grad standing.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: Zero Cost Course Materials  
Weekly: Supervision hrs TBD

## **Forest, Watershed, & Wildland Sciences**

### **FWWS 501 - Research Methods and Planning**

Units: 2  
Methods of inquiry into the ecology and management of forests and wildlands. Review and composition of grant proposals and current literature. Planning and presentation of scientific research. Open to upper-division students in FWR; required for all FWR graduate students.  
Division: Graduate  
Permission to enroll: No Special Consent Required  
Grading mode: Mandatory Letter Grade  
Sustainability: Sustainability Related  
Weekly: Lecture 2 hrs.

### **FWWS 690 - Thesis Research**

Units: 1-3  
Directed thesis research. Passing grade of B- required.

Division: Graduate  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Mandatory Letter Grade  
Zero cost course materials: No Course Materials Required  
Weekly: Supervision hrs TBD

### **FWWS 695 - Field Research Problems**

Units: 1-3  
Directed individual research on field or laboratory problems. Passing grade of B- required.

Division: Graduate  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Mandatory Letter Grade  
Zero cost course materials: No Course Materials Required  
Weekly: Supervision hrs TBD

### **FWWS 699 - Directed Study**

Units: 1-4  
Individual study. Directed reading, conference, field research, or problems. Passing grade of B- required.

Division: Graduate  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Supervision hrs TBD

## **Forestry**

### **FOR 100 - Critical Thinking and Social and Environmental Responsibility**

Units: 3  
How to think critically. Argument identification and evaluation. Formal and informal fallacies. The use of critical thinking methods with application to questions of environmental and social responsibility. Limited to undergraduate students.

Division: Lower Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE A3: Critical Thinking  
Sustainability: Sustainability Focused  
Weekly: Lecture 3 hrs.

### **FOR 117 - Forestry First Year Seminar**

Units: 1  
Review of current topics in forestry, fire, watershed, or soils. Presentations by speakers and development of professional writing and oral presentation skills.

Division: Lower Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Mandatory CR/NC  
Weekly: Seminar 1 hr.

### **FOR 130 - Dendrology**

Units: 3  
US trees/shrubs. Ranges, botanical characteristics, commercial and noncommercial uses, growth rates, and relation of plants to their total environment. Identify under field conditions and using herbarium specimens.

Division: Lower Division  
Requisites: Recommended Preparation: BOT 105  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **FOR 131 - Forest Ecology**

Units: 3  
Ecological principles applied to forest management. Production ecology, biogeochemistry, disturbances, environmental factors, populations, community ecology, forest succession, and forest classification/description.

Division: Lower Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Focused  
Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **FOR 170 - Conclave: Logging Sports Competition**

Units: 1  
Local or regional logging sports competition. Safe use of traditional and modern forest operations equipment. Does not count towards forestry major.

Division: Lower Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Mandatory CR/NC  
Weekly: Laboratory 3 hrs.

### **FOR 210 - Forest Measurements and Biometry**

Units: 4  
Surveying including angle and distance measurement, leveling and traverse. Public land survey. Topographic map reading and construction. Tree and forest measurements under field conditions. Forest sampling theory. Introductory statistical analysis of forest measurements.

Division: Lower Division  
Requisites: Pre-requisite: Math placement category I, II or III.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs. Laboratory 3 hrs.

### **FOR 222 - Forest Health and Protection**

Units: 2  
Biotic and abiotic disturbance agents. Identification and ecology of important forest insects and diseases of North America. Predisposing factors that increase susceptibility of forests. Management strategies to reduce impacts.

Division: Lower Division  
Requisites: Pre-requisite: FOR 130 or FOR 131.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Focused  
Weekly: Lecture 1 hr. Laboratory 3 hrs.

### **FOR 223 - Introduction to Wildland Fire**

Units: 2  
An introduction to the elements of wildland fire behavior, fire management and suppression, and fuels management. History and policy development of forest and rangeland fire management.

Division: Lower Division  
Requisites: Pre-requisite: FOR 130 or FOR 131.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Related  
Weekly: Lecture 1 hr. Laboratory 3 hrs.

### **FOR 250 - Introduction to Forest Operations**

Units: 3  
Overview of forest operations and environmental issues associated with today's forest management practices. Use of mechanized equipment as a tool to meet various forest management objectives.

Division: Lower Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis



Sustainability: Sustainability Focused  
Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **FOR 302 - Forest Ecosystems and People**

Units: 3

Interaction between forest science principles of different forest ecosystems and social expectations and needs. Evolution of how people use the forests of California, from wilderness to city parks. California as the leading edge of forest users.

Division: Upper Division

Requisites: Non-majors only.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE UD Area B: Math & Science

Sustainability: Sustainability Focused

Weekly: Lecture 3 hrs.

### **FOR 307 - California's Forests and Woodlands**

Units: 3

Factors affecting distribution, perpetuation, and health of California's forests and woodlands. Field identification of northern California trees and shrubs.

Division: Upper Division

Requisites: Pre-requisite: completed area B lower division GE.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE UD Area B: Math & Science

Sustainability: Sustainability Focused

Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **FOR 311 - Forest Mensuration and Growth**

Units: 4

Sampling techniques in forest inventory, timber cruising, and site index determination. Develop volume tables and predict stand growth. Use growth models and computer applications.

Division: Upper Division

Requisites: Pre-requisite: FOR 130, FOR 210.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 3 hrs. Laboratory 3 hrs.

### **FOR 315 - Forest Management**

Units: 3

Managing forest-covered landscapes to meet a variety of objectives by applying economic, sociological, ecological, silvicultural, and operational principles.

Division: Upper Division

Requisites: non-majors only.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Focused

Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **FOR 321 - Fire Ecology**

Units: 3

Fire as an ecosystem and physical process. Fire history, fire effects, fire regimes; interactions with abiotic and biotic ecosystem components; managing fire in California bioregions.

Division: Upper Division

Requisites: Pre-requisite: course in Ecology or IA.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Related

Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **FOR 323 - Wildland Fire Behavior and Use**

Units: 3

Role of weather, topography, and fuels on fire behavior. Mechanism of ignition and spread of fires. Fire behavior and effects modeling.

Objectives, planning, operations, smoke management and post-fire monitoring.

Division: Upper Division

Requisites: Pre-requisite: FOR 223.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **FOR 331 - Silvics - Foundation of Silviculture**

Units: 3

Woody plant interaction with environmental stresses. Factors influencing vigor and growth. Changes to stand structure caused by humans (thinning, harvesting, fertilization), nature (wind, soil, climate) or time. Selection using genetic principles for improved growth. Seedling production methods in stock types in relation to their effect on morphology/survival.

Division: Upper Division

Requisites: Pre-requisite: BOT 105, FOR 130, FOR 131, FOR 210 and SOIL 260.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Related

Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **FOR 350 - Forest Harvesting Systems**

Units: 3

Machine operations in ground-based systems, rigging requirements and payload analysis in skyline yarding, helicopter yarding, harvesting planning and unit layout, optimization in transportation planning.

Division: Upper Division

Requisites: Pre-requisite: FOR 210, FOR 250.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Focused

Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **FOR 353 - Forest Road Location and Design**

Units: 3

Road design procedures, standards, and techniques for forest management. Reconnaissance, route surveying, office and field design and location, geometrics, drainage systems, soil engineering, construction sequencing and techniques, erosion control, maintenance.

Division: Upper Division

Requisites: Pre-requisite: FOR 210, FOR 250, SOIL 260.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Related

Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **FOR 359 - CA and US Forest and Wildland Policy**

Units: 3

US and California government and policies are introduced with an emphasis on the interactions between these institutions and natural resource management. Regulations are analyzed from creation to implementation and interpretation. Meets requirement in "US Constitution and California State and Local Government" established by CA legislature.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

All University Requirements: Amer Inst: Constitution ONLY,

American Inst: State/Local Government ONLY

Sustainability: Sustainability Focused

Weekly: Lecture 3 hrs.

### **FOR 365 - Forest Economics and Finance**

Units: 3

Capital budgeting; benefit/cost analysis; forest appraisal and taxation; welfare economics, management decision making; uncertainty and risk.

Recommended preparation: FOR 311 (C).

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Related

Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **FOR 374 - Wilderness Area Management**

Units: 3

Paradox of "managing" wilderness; scientific, legislative, philosophical frameworks; managing human use of, and influences on, wilderness.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Related

Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **FOR 423 - Wildland Fuels Management**

Units: 3

Managing wildland fuels in forests and rangelands. Advanced understanding of fuel dynamics, management strategies, and challenges facing fuels managers in fire-prone landscapes. Quantitative analysis of the effects of fuels treatments.

Division: Upper Division

Requisites: Pre-requisite: FOR 223 or IA.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Related

Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **FOR 424 - Wildland Fire Internship**

Units: 3

Gain practical experience in the field of wildland fire management outside the classroom through working with governmental agencies, non-profit organizations, or private companies. Evening presentations may substitute for class meetings.

Division: Upper Division

Requisites: Pre-requisite: FOR 321 and FOR 323, or IA.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Supervision hrs TBD

### **FOR 430 - Forest Ecosystems**

Units: 3

Environmental factors on tree, stand, and landscape dynamics. Investigation at physiological, population, community, ecosystem, and landscape scales. Analysis of ecological data, scientific writing, and presentation. Extensive field trips in region.

Division: Upper Division

Requisites: Pre-requisite: FOR 131 or course in ecology.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Related

Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **FOR 431 - Forest Restoration**

Units: 3

Forest restoration at multiple spatial scales from stand to landscape level. Goals for biological conservation, carbon sequestration, economic viability. Restoration techniques and case studies. Managing invasive plant species.

Division: Upper Division

Requisites: Pre-requisite: FOR 131 or FOR 315 and junior or senior standing.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Focused

Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **FOR 432 - Silviculture**

Units: 4

Theory and practice of controlling forest establishment, composition, and growth. Fundamentals of forest stand development and dynamics. Forest stewardship techniques to satisfy a range of possible objectives (biological, economic, and social).

Division: Upper Division

Requisites: Pre-requisite: FOR 222, FOR 311 and FOR 331.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Focused

Weekly: Lecture 3 hrs. Laboratory 3 hrs.

### **FOR 450 - Harvesting Systems Design and Cost Analysis**

Units: 3

Designing integrative harvesting and transportation systems. Computer applications in harvesting cost analysis, equipment purchase and replacement, break-even/sensitivity analysis, statistical analyses and operations research techniques applied to forest operations.

Division: Upper Division

Requisites: Pre-requisite: FOR 250.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Focused

Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **FOR 471 - Forest Administration and Ethics**

Units: 3

Policy making; administrative behavior; legislative, regulatory, legal, and ethical considerations as applied to forest management.

Recommended preparation: FOR 432.

Division: Upper Division

Requisites: Pre-requisite: FOR 250; FOR 311; junior standing or greater.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Related

Weekly: Lecture 3 hrs.

### **FOR 475 - Forest Management Decision Making**

Units: 3

Social, political, economic, ecological, and silvicultural principles relating to contemporary forestry decision making processes. Predicting forest outcomes, tactical and strategic forest planning sustainability, risk assessment, monitoring and adaptive management.

Division: Upper Division

Requisites: Pre-requisite: FOR 311 and FOR 365, or IA.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Focused

Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **FOR 476 - Advanced Forest Management**

Units: 2

In discussion with land management professionals, students will develop projects on contemporary issues in forest disturbance-based management such as resilience amid a changing climate and management for ecosystem services.

Division: Upper Division

Requisites: Co-requisite: FOR 432.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Related

Weekly: Seminar 2 hrs.

### **FOR 479 - Forestry Capstone**

Units: 3

A forestry-related project, produced either by a team or by an individual, culminating in a public presentation.

Division: Upper Division  
Requisites: Pre-requisite: must be in final term prior to graduation.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 3 hrs.

#### **FOR 480 - Selected Topics in Forestry**

Units: 0.5-4  
Topics as demand warrants.  
Division: Upper Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar hrs TBD

#### **FOR 480L - Selected Topics Forestry Lab**

Units: 1-2  
Selected Topics in Forestry Lab.  
Division: Upper Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Laboratory hrs TBD

#### **FOR 482 - Internship**

Units: 1-3  
Students reflect critically upon work experience and report their critical reflections in a written report under faculty guidance.  
Division: Upper Division  
Requisites: Pre-requisite: FOR 131 and FOR 210, or IA.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Academic internship course: Yes  
Weekly: Supervision hrs TBD

#### **FOR 490 - Senior Thesis**

Units: 1  
Student-designed research project done by a single student with faculty approval before the project is begun. Public presentation of the results and a written paper in journal-ready format.  
Division: Upper Division  
Permission to enroll: Instructor Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Supervision hrs TBD

#### **FOR 499 - Directed Study**

Units: 1-4  
Individual study at upper division level. Conference, directed reading, field research, or problems.  
Division: Upper Division  
Permission to enroll: Instructor Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Supervision hrs TBD

#### **FOR 523 - Advanced Wildland Fuels Management**

Units: 3  
Meets jointly with FOR 423. Students enrolled in FOR 523 are expected to carry out additional independent analysis of fuels treatment effects and deliver a lecture on an independent topic.  
Division: Graduate  
Requisites: Pre-requisite: FOR 311 (C) and FOR 323, or IA.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Related  
Weekly: Lecture 2 hrs. Laboratory 3 hrs.

#### **FOR 530 - Advanced Forest Ecosystems**

Units: 3  
Meets jointly with FOR 430. Students enrolled in FOR 530 are expected to carry out additional independent field research projects and deliver a lecture on an independent topic.  
Division: Graduate  
Requisites: Pre-requisite: FOR 131 or IA.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Related  
Weekly: Lecture 2 hrs. Laboratory 3 hrs.

#### **FOR 532 - Advanced Principles in Silviculture**

Units: 4  
Meets concurrently with FOR 432. Students enrolled in FOR 532 are expected to carry out additional independent analyses of silvicultural topics and deliver a lecture on independent topic.  
Division: Graduate  
Repeats: Repeatable for Credit  
Permission to enroll: Instructor Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Focused  
Weekly: Lecture 3 hrs. Laboratory 3 hrs.

#### **FOR 680 - Advanced Topics in Forestry**

Units: 0.5-4  
Topics as demand warrants.  
Division: Graduate  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar hrs TBD

#### **FOR 685 - Forestry Graduate Seminar**

Units: 1  
Review important current literature.  
Division: Graduate  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 1 hr.

## **French**

#### **FREN 100 - Enlightenment and Post-Colonialism**

Units: 3  
Use critical thinking to explore culture and power in arguments by Enlightenment and Post-Colonial thinkers. Compare methods of reasoning in France and former colonies. Taught in English.  
Division: Lower Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE A3: Critical Thinking  
Weekly: Lecture 3 hrs.

#### **FREN 105 - French Level I**

Units: 4  
Introduction to French; develop basic language skills. FREN 105L. French Laboratory Level I  
Division: Lower Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 4 hrs.

#### **FREN 106 - French Level II**

Units: 4  
Cultural linguistic approach to the French world. Continue developing basic language skills while reading selected texts for cultural differences and similarities. Recommended preparation: FREN 105.  
Division: Lower Division

Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE C2: Humanities  
Weekly: Lecture 4 hrs.

### **FREN 106L - French Laboratory Level II**

Units: 1  
Self-directed, subscription-based online language course.  
Division: Lower Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: Zero Cost Course Materials  
Weekly: Tutorial hrs TBD

### **FREN 107 - French Level III**

Units: 4  
Review grammar essentials. Improve conversational, reading, and writing skills. Sociocultural institutions in the French world.  
Recommended preparation: FREN 106.  
Division: Lower Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE C2: Humanities  
All University Requirements: DCG: Non-Domestic  
Weekly: Lecture 4 hrs.

### **FREN 107L - French Laboratory Level III**

Units: 1  
Self-directed, subscription-based online language course.  
Division: Lower Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: Zero Cost Course Materials  
Weekly: Tutorial hrs TBD

### **FREN 207 - French IV and Intro to Francophone Studies**

Units: 4  
Continued review of essentials of grammar. Read modern literary texts in French. Recommended preparation: FREN 107 or equivalent, or IA.  
Division: Lower Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE C2: Humanities  
All University Requirements: DCG: Non-Domestic  
Weekly: Lecture 4 hrs.

### **FREN 207L - French Laboratory Level IV**

Units: 1  
Self-directed, subscription-based online language course.  
Division: Lower Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: Zero Cost Course Materials  
Weekly: Tutorial hrs TBD

### **FREN 280 - French Conversation and Retreat**

Units: 2-3  
Speak conversational French during the semester and plan, prepare and participate in a weekend language immersion retreat, complete with Francophone cuisine and French Language activities.  
Division: Lower Division  
Requisites: Pre-requisite: FREN 106 or IA.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: Zero Cost Course Materials  
Weekly: Seminar hrs TBD

### **FREN 300 - African Storytelling**

Units: 3-4  
Critical reading and retelling of oral myth, epic and tales. Examination of the role of the West African storyteller (the griot). Spoken art's influence on African cinema, short story and novel. Esthetic and cultural parallels between West African narratives and their European counterparts.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE UD Area C: Art & Humanities  
All University Requirements: DCG: Non-Domestic  
Weekly: Lecture hrs TBD

### **FREN 306 - Sex, Class and Culture: Gender and Ethnic Issues in International Short Stories**

Units: 3  
Cross-listed with: GERM 306, SPAN 306, WS 306  
Gender and ethnic issues in French, German, and Spanish short stories by and about women. Readings, lectures, and discussions entirely in English.  
Division: Upper Division  
Requisites: Pre-requisite: junior standing or greater.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE UD Area C: Art & Humanities  
All University Requirements: DCG: Non-Domestic  
Weekly: Lecture 3 hrs.

### **FREN 310 - Nouvelles en Français: Variable Topics**

Units: 2-4  
Variable topics. Discussion in French of Francophone stories, cultural issues, and literary criticism. Topics vary by world region (e.g. le Vietnam, le Canada, la France, les Caraïbes) or theme (e.g. Femmes et Famille, La Démocratisation, Tradition et Modernité, Les Jeunes). Units vary according to topic and class hours  
Division: Upper Division  
Requisites: Pre-requisite: FREN 207 (C).  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture hrs TBD

### **FREN 311 - French V and Stories from the Francophone World**

Units: 4  
Intensive reexamination of French grammar and usage in Francophone texts. Techniques and terminology of literary and cultural criticism; Aural/oral, reading and composition practice analyzing diverse literary and cultural issues.  
Division: Upper Division  
Requisites: Pre-requisite: FREN 207 or equivalent, or IA.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
All University Requirements: DCG: Non-Domestic  
Weekly: Lecture 4 hrs.

### **FREN 312 - French VI and (R)evolution in Modern French Literature**

Units: 4  
Intensive reexamination of French grammar. Analysis of cultural and literary (r)evolution in modern French literary works, from the aftermath of the French Revolution to modern France. Text selections will vary.  
Division: Upper Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 4 hrs.

### **FREN 314 - Cultural History Topics in Early French Masterpieces**

Units: 4

Introduces the major corpus of early French literature in the context of French cultural history, underscoring intersections of literature, ideology, and world views in cultural history. Special topics course.

Division: Upper Division

Requisites: Pre-requisite: FREN 311 (C).

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: Zero Cost Course Materials

Weekly: Lecture 4 hrs.

**FREN 324 - Introduction to Language OR Intensive French  
Language: Regional Studies**

Units: 1-4

Study French or another language of a Francophone country, such as Wolof, Arabic, or Creole.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: Zero Cost Course Materials

Weekly: Seminar hrs TBD

**FREN 325 - French Cultural Journal: Regional Studies**

Units: 3

Daily process-writing IN FRENCH of knowledge gained on-site of the culture of a French-speaking country or region for a minimum of 4 weeks in an advisor-approved program. 45 hours of student-instructor contact hours. Region varies.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: Zero Cost Course Materials

Weekly: Tutorial hrs TBD

**FREN 326 - Culture and Civilization: Regional Studies**

Units: 1-4

Study culture and civilization of a French-speaking country or region.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: Zero Cost Course Materials

Weekly: Seminar hrs TBD

**FREN 340 - Topics in Francophone Culture**

Units: 2-4

Variable topics. Presents an in-depth view of an important cultural issue in the Francophone world, such as "Musique: Fete, Critique, Revolte," "La femme africaine," and "French Caribbean Identity and Citizenship." Full-semester major course taught in French.

Division: Upper Division

Requisites: Pre-requisite: FREN 107 (C).

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture hrs TBD

**FREN 341 - Current Event Topics in the Francophone World**

Units: 2

Variable topics present the most relevant current events and issues in the Francophone world. Examples include "Paris Suburbs Burning" and "Women & War in Africa." Taught in French or English.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: Zero Cost Course Materials

Weekly: Lecture 2 hrs.

**FREN 370 - French Weekend Retreat**

Units: 1

Speak conversational French during a weekend language immersion retreat complete with Francophone cuisine and French-language activities.

Division: Upper Division

Requisites: Pre-requisite: FREN 106 (C).

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Mandatory CR/NC

Zero cost course materials: Zero Cost Course Materials

Weekly: Lecture 1 hr.

**FREN 390 - Topics in Cinema of the Francophone World**

Units: 1-2

Cinema from West and North Africa, France, Canada. Previous topics include "Cinema of Ousmane Sembene," "African Women Filmmakers," "French Colonialism: An Unfinished Business," "North African Cinema from Within and Without," "Murder in Paris." One credit per weekend of films, discussion and assessment by essay. course taught in English for the wider university public.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Mandatory CR/NC

Weekly: Lecture hrs TBD

**FREN 420 - French Peer Tutoring**

Units: 1-3

Under professor's supervision, students work a minimum of 30 hours assisting individual or group lower-level French students with linguistic, communicative, and cultural activities conducted in French.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: Zero Cost Course Materials

Weekly: Tutorial hrs TBD

**FREN 480 - Upper Division Seminar/Retreat**

Units: 1-4

Special topics seminars: Semester-long courses in language, literature or culture or shorter seminars, including creative writing, language and culture immersion courses, film seminars, retreats and international speaker series.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar hrs TBD

**FREN 482 - Francophone Internship Abroad**

Units: 1-6

Students plan an internship project with their major advisor, following "Francophone Internships Abroad" guidelines and an individual student contract. Opportunities favor those with advanced French-language skills.

Division: Upper Division

Requisites: Pre-requisite: FREN 106.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: Zero Cost Course Materials

Academic internship course: Yes

Weekly: Tutorial hrs TBD

### **FREN 492 - Senior Honors Thesis or Project**

Units: 3

Independent research project required for graduation with honors in French. Details determined in conference with faculty member after submitting written proposal the semester preceding graduation.

Division: Upper Division

Requisites: Pre-requisite: GPA of 3.70 in major, consent of supervising professor and DA.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: Zero Cost Course Materials

Weekly: Supervision hrs TBD

### **FREN 499 - Directed Study**

Units: 1-4

Directed reading. Hours arranged.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: Zero Cost Course Materials

Weekly: Supervision hrs TBD

## **Geography**

Geography majors must also take the one-unit depth experience courses when offered.

### **GEOG 100 - Critical Thinking: Technology and the Digital World**

Units: 3

Develop critical thinking skills and analytical reasoning through the investigation of privacy, security, new content, and location-aware services in mobile and web-based technologies.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE A3: Critical Thinking

Weekly: Lecture 3 hrs.

### **GEOG 105 - Human Geography**

Units: 3

Analyze selected landscapes, regions, and group characteristics resultant from interaction of human societies with various environments.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE D: Social Sciences

All University Requirements: DCG: Non-Domestic

Sustainability: Sustainability Focused

Zero cost course materials: No Course Materials Required

Weekly: Lecture 3 hrs.

### **GEOG 106 - Physical Geography**

Units: 3

Global patterns of climate, soils, vegetation. Landform geography. Climate regions defined on basis of physical environmental and agricultural land-use parameters.

Division: Lower Division

Requisites: Co-requisite: Majors must also take GEOG 106L.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE B1: Physical Science

Sustainability: Sustainability Related

Weekly: Lecture 3 hrs.

### **GEOG 106L - Physical Geography Laboratory**

Units: 1

Introduction to physical earth processes through laboratory and field

exercises.

Division: Lower Division

Requisites: Co-requisite: GEOG 106.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE B3: Laboratory Activity

Sustainability: Sustainability Related

Weekly: Laboratory 3 hrs.

### **GEOG 300 - Global Awareness**

Units: 3

Analyze current world conflicts and problem areas. Spatial, social, economic, political, and environmental realities.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE UD Area D: Social Sciences

All University Requirements: DCG: Non-Domestic

Sustainability: Sustainability Focused

Weekly: Lecture 3 hrs.

### **GEOG 301 - International Environmental Issues and Globalization**

Units: 3

Cross-listed with: ESM 301

Cross-disciplinary examination of economic development, world regions, population trends, resource exploitation, sustainability, impact of resource extraction in key world locations, and increasing global environmental connectivity, integration, and interdependence.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE UD Area D: Social Sciences

Sustainability: Sustainability Focused

Weekly: Lecture 3 hrs.

### **GEOG 302 - Global Ecology and Biogeography**

Units: 3

This course examines past and present geographic distributions of plants, animals, and other organisms. Biogeography is integrative and unites concepts and techniques from ecology, evolutionary biology, geology, and geography.

Division: Upper Division

Requisites: Pre-requisite: GEOG 106 and junior standing or greater.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE UD Area B: Math & Science

Weekly: Lecture 3 hrs.

### **GEOG 302M - Global Ecology and Biogeography Depth**

#### **Experience**

Units: 1

This course will provide in-depth exploration of methodologies, data, and discussions of recent research on global ecology and biogeography.

Division: Upper Division

Requisites: Co-requisite: GEOG 302.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 1 hr.

### **GEOG 304 - Migrations and Mosaics**

Units: 3

Cross-listed with: ES 304

Role of international and internal migrations in shaping American population and society. Examine full range of ethnic mosaics that result from the mixing and clashing of diverse cultures. Put own lifeline in national perspective.

Division: Upper Division

Requisites: Co-requisite: Majors must also take GEOG 304M when

offered.

Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE UD Area D: Social Sciences  
All University Requirements: DCG: Domestic  
Weekly: Lecture 3 hrs.

### **GEOG 308 - Social Justice and the Environment in Africa**

Units: 3  
Study of contemporary Africa through the themes of social justice and the environment. Natural phenomena/ecology, natural resource industries, conservation projects/reserves, water, food, urban environment, climate change, technologies, traditional medicine. Taught in Africa.

Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE UD Area B: Math & Science  
Sustainability: Sustainability Focused  
Weekly: Lecture 3 hrs.

### **GEOG 310L - Geographic Research Laboratory**

Units: 1  
Introduction to geographic research techniques using software and internet resources.

Division: Upper Division  
Requisites: Co-requisite: GEOG 311.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Laboratory 3 hrs.

### **GEOG 311 - Geographic Research and Writing**

Units: 3  
Overview of discipline and profession. Use of library resources, research tools. Emphases: geographic methodologies, academic writing, presenting. Research paper and presentation on regional topic.

Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 3 hrs.

### **GEOG 319 - Emergence of the Modern Middle East**

Units: 4  
This interdisciplinary course explores the Middle East through the disciplines of history and geography utilizing a wide variety of assignments and primary and secondary sources.

Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 4 hrs.

### **GEOG 322 - California**

Units: 3  
Spatial interpretation of economic, political, social, and physical forces at work to forge California. Behavioral aspects of processes leading to change.

Division: Upper Division  
Requisites: Co-requisite: Majors must also take GEOG 322M when offered.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Focused  
Weekly: Lecture 3 hrs.

### **GEOG 322M - California Depth Experience**

Units: 1  
Embedded writing and literature workshop resulting in two book reports. Students also participate in structured field experience.

Division: Upper Division  
Requisites: Co-requisite: GEOG 322.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Focused  
Weekly: Lecture 1 hr.

### **GEOG 352 - Weather, Climate and Natural Hazards**

Units: 3  
Nature of world's regional climates; tropospheric and oceanic circulation influence; orographic effects, large-scale weather disturbances.

Division: Upper Division  
Requisites: Pre-requisite: GEOG 106 or equivalent. Co-requisite: Majors must also take GEOG 352M when offered.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs.

### **GEOG 352M - Weather, Climate and Natural Hazards Depth Experience**

Units: 1  
Data analysis related to major themes in climate, weather, and natural hazards, with focus on recent phenomena.

Division: Upper Division  
Requisites: Co-requisite: GEOG 352.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 1 hr.

### **GEOG 357 - Climate, Ecosystems and People**

Units: 3  
This course will examine impacts of recent climate change on ecosystems and landscapes with primary case studies from North America and global syntheses. Recommended preparation: junior standing and introductory physical geography (e.g. GEOG 106) or related course are important prerequisites.

Division: Upper Division  
Requisites: Pre-requisite: GEOG 106.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Focused  
Weekly: Lecture 3 hrs.

### **GEOG 357M - Climate, Ecosystems and People Depth Experience**

Units: 1  
This one-unit course is designed to provide in-depth experience with the topics covered in the companion course GEOG 357: Climate, Ecosystems & People.

Division: Upper Division  
Requisites: Co-requisite: GEOG 357.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Focused  
Weekly: Lecture 1 hr.

### **GEOG 363 - Political Geography**

Units: 3  
World survey of spatial variation and interrelationships of political phenomena within a political region.

Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Related  
Weekly: Lecture 3 hrs.

### **GEOG 363M - Political Geography Depth Experience**

Units: 1

This seminar-style course explores topics from GEOG 363: Political Geography in greater depth through a combination of viewing feature films from various parts of the world, reflective writing, and seminar-style discussion.

Division: Upper Division

Requisites: Co-requisite: GEOG 363.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Related

Weekly: Seminar 1 hr.

### **GEOG 365 - Political Ecology**

Units: 4

Cross-listed with: PSCI 365

Combines elements of human ecology and political economy to examine environmental degradation, conflict and conservation.

Examines social movements.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Focused

Weekly: Lecture 4 hrs.

### **GEOG 387 - International Education Colloquium**

Units: 1

Cross-listed with: ANTH 387, COMM 387, ECON 387, HIST 387, INTL 387, PSCI 387

Earn credit by attending International Education Week events and participating in an online discussion forum. Mandatory pre-event meeting.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Mandatory CR/NC

Sustainability: Sustainability Related

Zero cost course materials: No Course Materials Required

Weekly: Lecture 1 hr.

### **GEOG 411 - Senior Field Research**

Units: 4

Techniques of field observation, sampling, and analysis using mapping procedures and the interview. Focus on a particular field problem with report writing as part of the experience.

Division: Upper Division

Requisites: Pre-requisite: GSP 101 and GEOG 311 (May be taken concurrently)

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Activity 8 hrs.

### **GEOG 469 - Geography Field Experience**

Units: 1-4

Particular area analyzed in depth by field observation. Possible areas: California, Mexico, Western Canada, Western Europe, the Northwest.

Living/ transportation costs borne by student.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: Instructor Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Activity hrs TBD

### **GEOG 470 - Topics in Geography for Teachers**

Units: 3

Prospective teachers develop materials and resources that can be applied in classrooms. Use case studies developed by national and state

geographic educational alliances.

Division: Upper Division

Requisites: Pre-requisite: teacher credential candidate or IA.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Related

Weekly: Lecture 3 hrs.

### **GEOG 470S - Topics in Geography for Teachers**

Units: 3

Prospective teachers develop materials and resources that can be applied in classrooms. Use case studies developed by national and state geographic educational alliances. Students conduct a small service learning project in partnership with local schools/educational partners.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: Zero Cost Course Materials

Service learning course: Yes

Weekly: Lecture 3 hrs.

### **GEOG 471 - Topics in Human Geography**

Units: 1-4

Use established methods of geographic inquiry.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: Instructor Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture hrs TBD

### **GEOG 471M - Topics in Human Geography Depth Experience**

Units: 1

Explore course topics in greater depth through a combination of writing assignments, poster creation, film and field exercises.

Division: Upper Division

Requisites: Co-requisite: GEOG 471.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 1 hr.

### **GEOG 472 - Topics in Regional Geography**

Units: 1-4

Specialized consideration of selected world regions.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture hrs TBD

### **GEOG 472M - Topics in Regional Geography Depth Experience**

Units: 1

Explore course topics in greater depth through a combination of writing assignments, poster creation, film and field exercises.

Division: Upper Division

Requisites: Co-requisite: GEOG 472.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 1 hr.

### **GEOG 473 - Topics in Physical Geography**

Units: 1-4

Worldwide climatological, landform, and/or water resource situations as they affect human activities on a regional basis.

Division: Upper Division

Requisites: Pre-requisite: GEOG 106.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required



Grading mode: Optional Grade Basis  
Sustainability: Sustainability Related  
Weekly: Lecture hrs TBD

### **GEOG 473M - Topics in Physical Geography Depth Experience**

Units: 1  
Explore course topics in greater depth through a combination of writing assignments, poster creation, film and field exercises.  
Division: Upper Division  
Requisites: Co-requisite: GEOG 473.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Related  
Weekly: Lecture 1 hr.

### **GEOG 491 - Educational Assistance**

Units: 1-3  
Advanced majors gain experience as teaching assistants working with a diverse body of students.  
Division: Upper Division  
Permission to enroll: Instructor Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Supervision hrs TBD

### **GEOG 499 - Directed Study**

Units: 0.5-4  
Selected problems.  
Division: Upper Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Tutorial hrs TBD

### **GEOG 690 - Thesis**

Units: 1-6  
Guided investigation of research problem culminates in thesis written in compliance with Cal Poly Humboldt standards.  
Division: Graduate  
Requisites: Pre-requisite: grad standing, IA.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Supervision hrs TBD

### **GEOG 699 - Directed Graduate Study**

Units: 1-3  
Directed study for master's candidates in social sciences wishing to emphasize geography.  
Division: Graduate  
Requisites: Pre-requisite: work in geography equivalent to department's lower division program, and IA.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Supervision hrs TBD

## **Geology**

### **GEOG 100 - From Stars to Rocks: Being a Scientist in the 21st Century**

Units: 3  
Introduction to the impact of astronomy, chemistry, physics, and geology on student life and society, practical aspects of the study of the disciplines and associated careers from different perspectives.

Division: Lower Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE E: Lifelong Learning  
Weekly: Lecture 2 hrs. Seminar 1 hr.

### **GEOL 103 - The Water Planet**

Units: 3  
An exploration of the processes that control water supply to ecosystems and to human civilizations. Topics include: hydrologic cycle, runoff generation, ocean circulation, floods, drought, groundwater, threats to water supply and quality, and the effects of global climate change on water resources. The class will focus on water issues facing California.  
Division: Lower Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE B1: Physical Science  
Sustainability: Sustainability Related  
Weekly: Lecture 3 hrs.

### **GEOL 106 - Earthquake Country**

Units: 3  
Understanding and preparing for earthquakes. Causes and effects of earth tremors; mechanics of earthquakes; how quakes are located and measured; earthquake risk and hazards; earthquake potential in California; earthquake prediction. Not intended for geology majors.  
Division: Lower Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE B1: Physical Science  
Weekly: Lecture 3 hrs.

### **GEOL 109 - General Geology**

Units: 4  
Physical geology. Origin and constitution of the earth, internal and external processes that determine crustal and surficial features, and methods in investigating and interpreting earth history.  
Division: Lower Division  
Requisites: Pre-requisite: math placement category I, II, or III.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE B1: Physical Science, GE B3: Laboratory Activity  
Weekly: Lecture 3 hrs. Laboratory 3 hrs.

### **GEOL 110 - Field Geology of the Western US**

Units: 1-2  
Investigation of the geologic processes that created selected locales in the western US. Lectures/discussions with extended field trip. The geology will be examined and described by members of the class.  
Division: Lower Division  
Requisites: Pre-requisite: GEOL 109, and undergraduate geology major (geosciences option).  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Course fees: See class schedule for fee information  
Weekly: Laboratory hrs TBD

### **GEOL 210 - Earth Systems History**

Units: 3  
Evolution of Earth as an integrated system emphasizing the geological, climatological and biological forces that have shaped it, focusing on North America. Topics focused on geologic time scale and deep time, plate tectonic cycles, fossils and history of life, and the natural and anthropogenic climate history of the Earth. Recommended preparation: CHEM 109, MATH 109.  
Division: Lower Division  
Requisites: Pre-requisite: GEOL 109.  
Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs.

### **GEOL 300 - Geology of California**

Units: 3

Analyze major geological provinces, lithologic assemblages, economic resources. Cannot count for geology majors as upper division geology area of specialization.

Division: Upper Division

Requisites: Pre-requisite: GEOL 109.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE UD Area B: Math & Science

Weekly: Lecture 3 hrs.

### **GEOL 300L - Geology of California Field Trip**

Units: 1

Three weekends, or one 5-day field trip, through geologic provinces of northern California: the Coast Ranges, Klamath Mountains, Cascade Range, Modoc Plateau, northern Sierra Nevada, and Great Valley. Cannot count for geology majors as upper division geology area of specialization.

Division: Upper Division

Requisites: Pre-requisite: GEOL 300 (C).

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Course fees: See class schedule for fee information

Weekly: Laboratory 3 hrs.

### **GEOL 303 - Earth Resources and Global Environmental Change**

Units: 3

Origins, occurrence, and limits of important energy, mineral, and water resources. Societal and environmental impacts of resource use and global climate change. Cannot count for geology majors as upper division geology area of specialization. Recommended preparation: GEOL 109.

Division: Upper Division

Requisites: Pre-requisite: completed LD GE Area A1: Written Communication.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE UD Area B: Math & Science

Sustainability: Sustainability Focused

Weekly: Lecture 3 hrs.

### **GEOL 305 - Fossils, Life and Evolution**

Units: 3

Origin, evolution, and fate of life on earth; history of evolutionary thought and study of fossils; development of life environments (habitats) and biotic communities; recent theories of evolution and mass extinction from an introductory paleontologic perspective. May require field trip. Cannot count for geology majors as upper division geology area of specialization.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE UD Area B: Math & Science

Weekly: Lecture 3 hrs.

### **GEOL 306 - General Geomorphology**

Units: 3

Origin and development of landforms, landform classification, geomorphic processes. Methods of geomorphological analysis, topographic map interpretation, and aerial photo interpretation. May require two weekend field trips.

Division: Upper Division

Requisites: Pre-requisite: GEOL 109.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE UD Area B: Math & Science  
Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **GEOL 308 - Natural Disasters**

Units: 3

Mitigating geologic hazards through technology, behavioral and cultural adaptation, risk assessment and prediction, and communication of hazard information. Case studies of earthquakes, volcanoes, tsunamis, hurricanes, floods, landslides, and climate change. Cannot count for geology majors as upper division geology area of specialization. Recommended preparation: GEOL 308L concurrently.

Division: Upper Division

Requisites: Pre-requisite: GEOL 106 or GEOL 109 or GEOG 106, and upper division standing.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE UD Area B: Math & Science

Sustainability: Sustainability Related

Weekly: Lecture 3 hrs.

### **GEOL 308L - Natural Disasters Laboratory**

Units: 1

Three-hour weekly laboratory introducing hazard and risk assessment tools including Geographic Information Systems, warning systems and emergency management, including a campus emergency exercise. Emphasis on countries in the Pacific Basin. May require field trip. Must be taken concurrently with GEOL 308.

Division: Upper Division

Requisites: Pre-requisite: upper division standing, GEOL 308 (C).

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE UD Area B: Math & Science

Sustainability: Sustainability Related

Weekly: Laboratory 3 hrs.

### **GEOL 312 - Earth Materials**

Units: 4

Description, identification, and classification of minerals and igneous, sedimentary, and metamorphic rocks in hand specimen. Occurrence and use of earth materials.

Division: Upper Division

Requisites: Pre-requisite: GEOL 109, and CHEM 109 (C) or CHEM 107.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Course fees: See class schedule for fee information

Weekly: Lecture 3 hrs. Laboratory 3 hrs.

### **GEOL 314 - Petrology**

Units: 4

Composition, classification, and origin of igneous and metamorphic rocks, as well as sedimentary rocks, to a lesser extent. Analysis and interpretation through thin section, geochemistry, and modeling. May require multi-day field trip.

Division: Upper Division

Requisites: Pre-requisite: GEOL 312.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Course fees: See class schedule for fee information

Weekly: Lecture 2 hrs. Laboratory 6 hrs.

### **GEOL 332 - Sedimentary Geology**

Units: 4

Identification and interpretation of sedimentary rocks and structures. Application of stratigraphic and dating methods in the earth sciences. Impact of climate and geologic processes on depositional patterns and facies analysis. May require two weekend field trips.

Division: Upper Division

Requisites: Pre-requisite: GEOL 210.

Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs. Laboratory 3 hrs.

### **GEOL 334 - Structural Geology**

Units: 4  
Describe and analyze structural features of rocks. Interpret the strain significance of structures. Fundamentals of plate tectonics. Tectonic analysis of regional geologic structure. May require weekend field trips. Field trip fees may be required.  
Division: Upper Division  
Requisites: Pre-requisite: GEOL 332 and GEOL 335 and MATH 102 and (PHYX 106 or PHYX 109 ). Co-requisite: GEOL 435  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs. Laboratory 3 hrs.

### **GEOL 335 - Geologic Field Methods I**

Units: 2  
In-class and weekend field projects, map literacy, compass orienteering and measurements, geologic mapping, field note-taking, field data interpretation, preparing stratigraphic columns and geologic cross-sections, technical report writing.  
Division: Upper Division  
Requisites: Pre-requisite: GEOL 109, GEOL 210 (C) or GEOL 306 (C).  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Course fees: See class schedule for fee information  
Weekly: Lecture 1 hr. Laboratory 3 hrs.

### **GEOL 344 - Paleontology**

Units: 4  
Modes of preservation, skeletal anatomy, systematics and taxonomy, biostratigraphy, paleoecology, paleobiogeography, and evolutionary history of invertebrate groups of traditional importance to geologists. Recommended preparation: BIOL 105 or introductory invertebrate zoology course.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs. Laboratory 3 hrs.

### **GEOL 380 - Special Topics in Geology**

Units: 1-3  
Variable topics.  
Division: Upper Division  
Requisites: Pre-requisite: GEOL 109, IA. Co-requisite: GEOL 380L when offered.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 1 hr.

### **GEOL 380L - Special Topics in Geology Laboratory**

Units: 1-4  
Division: Upper Division  
Requisites: Pre-requisite: GEOL 109, IA. Co-requisite: GEOL 380 when offered.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Laboratory hrs TBD

### **GEOL 399 - Supplemental Work in Geology**

Units: 1-3  
Directed study intended for transfer student whose prior coursework is not equivalent to corresponding courses at Cal Poly Humboldt.  
Division: Upper Division  
Repeats: Repeatable for Credit

Permission to enroll: Department Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Laboratory hrs TBD

### **GEOL 435 - Geologic Field Methods II**

Units: 2  
In-class and weekend field projects include: map proficiency, advanced mapping of geological structures and lithological features on topographic maps and aerial photographs, geologic field notes, synthesis of field data with GIS analysis, measuring stratigraphic sections and developing geologic cross-sections, technical report writing. Multi-day field trips required.  
Division: Upper Division  
Requisites: Pre-requisite: GEOL 306, GEOL 312, GEOL 335, GEOL 334(C).  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Course fees: Field trip fees may be required.  
Weekly: Lecture 1 hr. Laboratory 3 hrs.

### **GEOL 452 - Glacial and Periglacial Processes**

Units: 3  
Co-listed with: GEOL 552  
Principles of glacier formation and flow, glacial landforms, and using glaciers as climate and paleoclimate indicators. Includes field trips.  
Division: Upper Division  
Requisites: Pre-requisite: GEOL 306  
Permission to enroll: No Special Consent Required  
Grading mode: Mandatory Letter Grade  
Weekly: Lecture 3 hrs.

### **GEOL 453 - Quaternary Stratigraphy**

Units: 4  
Co-listed with: GEOL 553  
Examination of stratigraphic records of global change during the past 2.6 million years, including changes in climatic, geomorphic, sedimentologic, and biologic systems, and discussion of causes and implications of those changes both in theory and practice. Includes field trips.  
Division: Upper Division  
Requisites: Pre-requisite: GEOL 306  
Permission to enroll: No Special Consent Required  
Grading mode: Mandatory Letter Grade  
Weekly: Lecture 3 hrs. Laboratory 3 hrs.

### **GEOL 455 - Geology Colloquium**

Units: 1  
Geology colloquium with a series of lectures given by invited geoscience professionals.  
Division: Upper Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Activity 2 hrs.

### **GEOL 456 - Hydrogeology**

Units: 4  
Co-listed with: GEOL 556  
Quantitative exploration of movement and retention of water through the subsurface. Physics of saturated and unsaturated zone hydrology. Modeling of moisture change in the root zone, and vegetative water uptake. Geologic and environmental factors affecting water resources with a focus on water extraction and stream flow in northern California.  
Division: Upper Division  
Requisites: Pre-requisites: MATH 107 and PHYX 107. Co-requisites: MATH 109. Recommended preparation: GEOL 306.  
Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis  
Sustainability: Sustainability Related  
Weekly: Seminar 3 hrs. Laboratory 3 hrs.

### **GEOL 457 - Engineering Geology**

Units: 3  
Apply geologic methods, principles, and information to engineering and related fields. Analyze earth materials, properties, and processes significant to modern engineering projects. May require 4-day field trip.  
Division: Upper Division  
Requisites: Pre-requisite: GEOL 334 or IA.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Related  
Weekly: Seminar 2 hrs. Laboratory 3 hrs.

### **GEOL 460 - Solid Earth Geophysics**

Units: 3  
Principles of seismology, gravity, geodesy, terrestrial heat flow, geomagnetism, and paleomagnetism. Emphasis on earth as a whole: its internal constitution and evolution. Strongly recommended preparation: GEOL 334.  
Division: Upper Division  
Requisites: Pre-requisite: MATH 110, and PHYX 107 or PHYX 210.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 2 hrs. Laboratory 3 hrs.

### **GEOL 465 - Geosciences Senior Project**

Units: 2  
Combined literature, field, and/or laboratory study, internship, or service learning experience directed toward a geoscience topic or problem.  
Division: Upper Division  
Permission to enroll: Instructor Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Supervision hrs TBD

### **GEOL 474 - Volcanology**

Units: 3  
Fundamental principles of volcanic eruptions and their products as well as the hazard eruptions pose to human activity using methods and concepts from igneous petrology, sedimentology, stratigraphy, geologic mapping, and geophysics. Topics include origins and storage of magma, volcanic eruption triggers, styles of volcanic eruptions, volcano monitoring, and geologic properties of magma and volcanic flows. This course includes an extended multi-day field trip, required for all students. Students may also complete research projects throughout the semester. Recommended preparation: CHEM 109, MATH 109. Multi-day field trip.  
Division: Upper Division  
Requisites: Pre-requisite: GEOL 235, GEOL 314, GEOL 332.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Course fees: Field trip fees may be required.  
Weekly: Lecture 3 hrs.

### **GEOL 475 - Geology Field Camp**

Units: 4  
Four weeks supervised field work in the western US. Principles/methods for geological mapping. May include preparing maps, cross-sections, stratigraphic columns, written and oral geologic reports. Living expenses and a portion of camp expenses borne by student. Typically available only during summer. Recommended preparation: GEOL 306 & GEOL 344.  
Division: Upper Division  
Requisites: Pre-requisite: GEOL 314, GEOL 334, GEOL 435, and GPA of 2.0 or higher for all geology courses.  
Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis  
Weekly: Laboratory 12 hrs.

### **GEOL 482 - Instrumental Methods in Geology**

Units: 1-3  
Principles of x-ray and electron beam analysis of geologic specimens; experimental petrology techniques. Includes sample preparation, instrument operation and data analysis. Alternating with methods of air photo interpretation, GIS, and remote sensing in geology.  
Division: Upper Division  
Requisites: Pre-requisite: PHYX 109 or PHYX 106, and GEOL 312 or GEOL 306; or IA.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Laboratory hrs TBD

### **GEOL 485 - Seminar**

Units: 1  
Discuss selected topics; correlated reading and reports.  
Division: Upper Division  
Requisites: Pre-requisite: senior standing or IA.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 1 hr.

### **GEOL 486 - Geology Research Methods**

Units: 1  
Orientation to geology research, including developing a research topic and proposal, designing and planning research, bibliographic research and communication in oral and written format.  
Division: Upper Division  
Requisites: Pre-requisite: GEOL 312 or GEOL 332.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Tutorial hrs TBD

### **GEOL 490 - Senior Thesis**

Units: 1  
Prepare thesis proposal based on field or lab investigation of subject chosen by student and approved by department. Generally undertaken during senior year, but may commence during junior year.  
Division: Upper Division  
Requisites: Pre-requisite: GPA of 2.5 or better for all GEOL courses; GEOL 486 with grade of B or better and DA.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Supervision hrs TBD

### **GEOL 492 - Senior Thesis Project**

Units: 2  
Prepare thesis based on field or lab investigation of subject chosen by student and approved by department.  
Division: Upper Division  
Requisites: Pre-requisite: GEOL 490 (C).  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Supervision hrs TBD

### **GEOL 499 - Independent Study**

Units: 1-5  
Reading, conference, and/or research.  
Division: Upper Division  
Repeats: Repeatable for Credit  
Permission to enroll: Department Consent Required  
Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required  
Weekly: Supervision hrs TBD

### **GEOL 524 - Methods of Geochronology**

Units: 3

Concepts and principles of geologic time. Absolute and relative dating methods. Apply dating techniques to stratigraphic, structural and petrological problems. Geological process rates. Includes 2-3 weekend day field trips.

Division: Graduate

Requisites: Pre-requisite: CHEM 109, GEOL 312, GEOL 335 (C), MATH 102.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 3 hrs.

### **GEOL 531 - Advanced Physical Geology**

Units: 1-3

Topics may include igneous and metamorphic petrology, advanced structural geology, paleoecology, volcanology, experimental petrology, geophysics, regional geology investigations, special topics.

Division: Graduate

Requisites: Pre-requisite: GEOL 314 and GEOL 334, or IA.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Course fees: Field trip fees may be assessed.

Weekly: Seminar hrs TBD

### **GEOL 531L - Advanced Physical Geology Lab**

Units: 0.5-1

When offered, take concurrently with GEOL 531 . May involve weekend or week-long field trip(s).

Division: Graduate

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Course fees: Field trip fees may be required.

Weekly: Laboratory hrs TBD

### **GEOL 550 - Fluvial Processes**

Units: 3

Quantitative and qualitative description of river processes. Mechanics of flow and sediment transport in open channels; adjustments of channel form and pattern; channel incision and eco-hydrological controls; fluvial sediment budgets; techniques for field measurement.

Recommended preparation: GEOL 306, MATH 110, (PHYX 107 or PHYX 210); or Instructor Approval. May require one-day weekend field trip(s).

Division: Graduate

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Course fees: See class schedule for fee information

Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **GEOL 551 - Hillslope Processes**

Units: 3

Quantitative and qualitative description of the mechanics of erosion and deposition on hillslopes. Develop and apply sediment budgets. Hillslope eco-hydrology, weathering, mass movement, slope stability, sheet and rill erosion, slope development models, and techniques for field measurement of slope processes. Recommended preparation: GEOL 306, MATH 110, (PHYX 107 or PHYX 210). May require one-day weekend field trip(s).

Division: Graduate

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **GEOL 552 - Glacial and Periglacial Processes**

Units: 3

Co-listed with: GEOL 452

Principles of glacier formation and flow, glacial landforms, and using glaciers as climate and paleoclimate indicators. Includes field trips.

Division: Graduate

Requisites: Pre-requisite: GEOL 306

Permission to enroll: No Special Consent Required

Grading mode: Mandatory Letter Grade

Weekly: Lecture 3 hrs.

### **GEOL 553 - Quaternary Stratigraphy**

Units: 4

Co-listed with: GEOL 453

Examination of stratigraphic records of global change during the past 2.6 million years, including changes in climatic, geomorphic, sedimentologic, and biologic systems, and discussion of causes and implications of those changes both in theory and practice. Includes field trips.

Division: Graduate

Requisites: Pre-requisite: GEOL 306.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Course fees: Field trip fees may be required.

Weekly: Seminar 3 hrs. Laboratory 3 hrs.

### **GEOL 554 - Advanced Geology Field Methods**

Units: 2

Week-long field excursion to study and interpret quaternary stratigraphic, volcanic, and tectonic problems using appropriate field techniques.

Division: Graduate

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Course fees: Field trip fees may be assessed.

Weekly: Supervision hrs TBD

### **GEOL 555 - Neotectonics**

Units: 3

Critical review of Quaternary crustal deformation. Mechanics, rates and distribution of faulting, folding, uplift, subsidence. Methods of measuring/analyzing Quaternary and active tectonic processes. May require extended weekend field trip(s).

Division: Graduate

Requisites: Pre-requisite: GEOL 334 and GEOL 306.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 2 hrs. Laboratory 3 hrs.

### **GEOL 556 - Hydrogeology**

Units: 4

Co-listed with: GEOL 456

Quantitative exploration of movement and retention of water through the subsurface. Physics of saturated and unsaturated zone hydrology. Modeling of moisture change in the root zone, and vegetative water uptake. Geologic and environmental factors affecting water resources with a focus on water extraction and stream flow in northern California.

Division: Graduate

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Course fees: Field trip fees may be required.

Weekly: Seminar 3 hrs. Laboratory 3 hrs.

### **GEOL 690 - Thesis**

Units: 1-6

Conduct research and prepare written thesis as required for grad degree.

Division: Graduate

Repeats: Repeatable for Credit

Permission to enroll: Instructor Consent Required

Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Supervision hrs TBD

### **GEOL 699 - Independent Study**

Units: 1-5  
Possible modes: reading, conference, research.  
Division: Graduate  
Requisites: Pre-requisite: grad standing.  
Repeats: Repeatable for Credit  
Permission to enroll: Department Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Supervision hrs TBD

### **GEOL 700 - In-Service Professional Development in Geology**

Units: 1-3  
Directed studies for geology professionals desiring advanced or specialized instruction, especially that leading to credentialing or teacher certification. May require 1-day weekend field trip(s).  
Division: Credential/Licensure  
Repeats: Repeatable for Credit  
Permission to enroll: Instructor Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar hrs TBD

## **Geospatial Analysis**

### **GSP 101 - Geospatial Concepts**

Units: 3  
Overview: scale, coordinates, geodesy, direction, projections, surveying, global positioning systems (GPS), remote sensing, geographic information systems (GIS), cartography; historical context illustrating how maps depict spatial relationships, chart power, convey authority.  
Division: Lower Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE D: Social Sciences  
Sustainability: Sustainability Related  
Zero cost course materials: Zero Cost Course Materials  
Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **GSP 216 - Introduction to Remote Sensing**

Units: 3  
Introductory course in remote sensing focusing on broad topics pertaining to nature of radiation, aerial photography and interpretation, multispectral scanners, and image data and processing.  
Division: Lower Division  
Requisites: Pre-requisite: GSP 101  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **GSP 270 - Geographic Information Science (GIS)**

Units: 3  
Introductory course in Geographic Information Science and spatial analysis involving collection, manipulation, display, and analysis of geographically referenced data. Raster and Vector data, overlays, buffer, proximity analysis and SQL queries.  
Division: Lower Division  
Requisites: Pre-requisite: GSP 101  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **GSP 280 - Special Topics in GSP**

Units: 3  
Topics vary. Recommended preparation: GSP 101

Division: Lower Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: Zero Cost Course Materials  
Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **GSP 316 - Cartography**

Units: 4  
Cartographic visualization and map design principles through GIS and illustration programs, the selection of appropriate map projections, data classification, color, visual variables, charts, graphs, and diagrams.  
Division: Upper Division  
Requisites: Pre-requisite: GSP 101 (May be taken concurrently)  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs. Laboratory 3 hrs.

### **GSP 318 - Geospatial Programming I**

Units: 3  
Introduction to programming for geospatial students. Covers problem decomposition, control structures, simple data structures, testing, and documentation, using the Python programming language and geospatial-oriented examples.  
Division: Upper Division  
Requisites: Pre-requisite: GSP 101 or GSP 510.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **GSP 326 - Intermediate Remote Sensing**

Units: 3  
Intermediate level course focusing on digital image processing involving image enhancements, image rectifications, classification, and accuracy assessments. Additional topics include image processing techniques involving thermal, hyperspectral, Radar, and LiDAR data.  
Recommended preparation: MATH 105.  
Division: Upper Division  
Requisites: Pre-requisite: GSP 216 and junior standing or greater.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **GSP 330 - Mobile Mapping**

Units: 3  
Concepts and techniques of data collection using mapping-grade GPS units. Topics include understanding data collection protocols, data processing, GIS integration, error sources, differential correction, and other advanced capabilities.  
Division: Upper Division  
Requisites: Pre-requisite: GSP 101 and (GSP 216 or GSP 270 either of which may be taken concurrently)  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **GSP 370 - Intermediate Geographic Information Science (GIS)**

Units: 3  
Data accuracy and quality, standard and advanced geospatial data models, data integration and analysis, constraint analysis, location-allocation analysis, metadata standards and documentation, geospatial ethics, industry applications of geospatial analysis.  
Division: Upper Division  
Requisites: Pre-requisite: GSP 270 or GSP 280 or GSP 510; sophomore standing or greater.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 2 hrs. Laboratory 3 hrs.

**GSP 416 - Advanced Cartography Design Seminar**

Units: 4

Build on fundamentals through cartographic visualization: the map as a tool for both exploring and representing geographic information. Greater depth in cartographic design theory. Discuss weekly readings; complete major map project.

Division: Upper Division

Requisites: Pre-requisite: GSP 316.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 4 hrs.

**GSP 418 - Geospatial Programming II**

Units: 3

Creating enterprise-level geospatial infrastructures for analysis, monitoring, and modeling. Web and mobile development of geospatial applications. Use of enterprise-level databases, object-oriented programming and design methods, and professional software development processes.

Division: Upper Division

Requisites: Pre-requisite: GSP 318

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 2 hrs. Laboratory 3 hrs.

**GSP 426 - Cartography Practicum**

Units: 1-4

Practical mapping experience as a cartographic intern with the Institute for Cartographic Design. Supervised individual and group work experience in geospatial sciences. This course is intended for those pursuing advanced cartographic training.

Division: Upper Division

Requisites: Pre-requisite: GSP 270 and GSP 316

Permission to enroll: Instructor Consent Required

Grading mode: Optional Grade Basis

Weekly: Laboratory hrs TBD

**GSP 436 - Advanced Remote Sensing**

Units: 3

Advanced course in remote sensing. Topics include advanced image enhancements involving project design, image fusion, higher levels of image classification techniques including object-oriented classifications, machine learning techniques, geostatistics, etc. Recommended preparation: MATH 105.

Division: Upper Division

Requisites: Pre-requisite: GSP 326; senior standing or greater.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 2 hrs. Laboratory 3 hrs.

**GSP 470 - Advanced Geospatial Analysis and Modeling**

Units: 3

Analysis of uncertainty, autocorrelation, trend-surfaces, and random processes. Modeling using point-process, generalized linear, generalized additive, and machine learning methods. Selecting appropriate alternative modeling methods including cellular automata, agent-based, neural networks, and stimulation. Validating and characterizing models using Monte Carlo and other methods.

Division: Upper Division

Requisites: Pre-requisite: GSP 370; junior standing or greater.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 2 hrs. Laboratory 3 hrs.

**GSP 480 - Selected Topics in Geospatial Science**

Units: 1-3

Selected topics in geospatial science; GIS, remote sensing, cartography, mobile mapping, web-based applications, databases, programming. May

require additional prerequisites.

Division: Upper Division

Requisites: Pre-requisite: GSP 101 and sophomore standing or greater.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture hrs TBD

**GSP 480L - Selected Topics in Geospatial Science Lab**

Units: 1-2

Selected Topics in Geospatial Science; GIS, remote sensing, cartography, mobile mapping, web-based applications, databases, programming. May require additional prerequisites.

Division: Upper Division

Requisites: Pre-requisite: GSP 101 and sophomore standing or greater.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Laboratory hrs TBD

**GSP 499 - Directed Study**

Units: 1-3

Directed study in geospatial science. Independent undergraduate study or research project supervised by geospatial science faculty.

Recommended preparation: GSP 101 and one additional GSP course.

Division: Upper Division

Requisites: Pre-requisite: junior standing or greater

Repeats: Repeatable for Credit

Permission to enroll: Instructor Consent Required

Grading mode: Optional Grade Basis

Weekly: Supervision hrs TBD

**GSP 510 - Research Methods in Geospatial Science**

Units: 4

Applications of GIS, remote sensing, cartography, mobile mapping, web-based applications, and geospatial databases to research. Designed to enable new graduate students to incorporate geospatial data and methods into their research.

Division: Graduate

Requisites: Pre-requisite: graduate standing.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 3 hrs. Laboratory 3 hrs.

**GSP 570 - Advanced Geospatial Analysis and Modeling**

Units: 3

Project-based application of advanced geospatial analysis and modeling to natural resource research applications. Includes research project management: setting and meeting goals, managing schedules, team leadership. Also includes GSP 470 topics.

Division: Graduate

Requisites: Pre-requisite: GSP 370; senior or graduate standing.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 2 hrs. Laboratory 3 hrs.

**GSP 580 - Selected Graduate Topics in Geospatial Science**

Units: 1-3

Selected topics in Geospatial Science offered at the graduate level; GIS, remote sensing, cartography, mobile mapping, web-based applications, databases, programming.

Division: Graduate

Requisites: Pre-requisite: GSP 101 and (GSP 216 or GSP 270 or GSP 316); junior standing or greater. May require additional prerequisites.

May be Repeated with different topics.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture hrs TBD

### **GSP 580L - Selected Graduate Topics in Geospatial Science Lab**

Units: 1-2

Lab for selected topics in Geospatial Science offered at the graduate level; GIS, remote sensing, cartography, mobile mapping, web-based applications, databases, programming.

Division: Graduate

Requisites: Pre-requisite: GSP 101 and (GSP 216 or GSP 270 or GSP 316). Junior standing or greater. May require additional prerequisites. May be Repeated with different topics.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Laboratory hrs TBD

## **German**

### **GERM 105 - German Level I**

Units: 4

Introduces German through communication-based instruction and activities. Instructor may waive upon demonstration of equivalent proficiency.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 4 hrs.

### **GERM 105L - German Laboratory Level I**

Units: 1

Self-directed, subscription-based online language course.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: Zero Cost Course Materials

Weekly: Tutorial hrs TBD

### **GERM 106 - German Level II**

Units: 4

Communication based approach to the German-speaking world.

Develop basic language skills while learning about cultural differences/similarities. Recommended preparation: GERM 105.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE C2: Humanities

Weekly: Lecture 4 hrs.

### **GERM 106L - German Laboratory Level II**

Units: 1

Self-directed, subscription-based online language course.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: Zero Cost Course Materials

Weekly: Tutorial hrs TBD

### **GERM 107 - German Language and Culture III**

Units: 4

Intermediate German I; develop understanding, speaking, reading, writing, knowledge of German-Speaking cultures. Language as a communicative medium/carrier of culture. Conducted in German. Part one of two course sequence. Recommended preparation: GERM 106.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE C2: Humanities

All University Requirements: DCG: Non-Domestic

Weekly: Lecture 4 hrs.

### **GERM 107L - German Laboratory Level III**

Units: 1

Self-directed, subscription-based online language course.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: Zero Cost Course Materials

Weekly: Tutorial hrs TBD

### **GERM 207 - German Language and Culture IV**

Units: 4

Intermediate German II; develop understanding, speaking, reading, writing, knowledge of German-Speaking cultures. Language as a communicative medium/carrier of culture. Conducted in German. Part two of two course sequence. Recommended preparation: GERM 107 or equivalent, or Instructor Approval.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE C2: Humanities

All University Requirements: DCG: Non-Domestic

Weekly: Lecture 4 hrs.

### **GERM 207L - German Laboratory Level IV**

Units: 1

Self-directed, subscription-based online language course.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: Zero Cost Course Materials

Weekly: Tutorial hrs TBD

### **GERM 280 - Lower Division Retreat/Seminar**

Units: 1-3

Language retreat or seminar with guest lecturer; typically offered on weekend; culminates in project or report. Or lab for which times of required attendance are self-determined.

Division: Lower Division

Requisites: Recommended Preparation: completed German level II or IA.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar hrs TBD

### **GERM 306 - Sex, Class and Culture: Gender and Ethnic Issues in International Short Stories**

Units: 3

Cross-listed with: FREN 306, SPAN 306, WS 306

Gender and ethnic issues in French, German, and Spanish short stories by and about women. Readings, lectures, and discussions entirely in English.

Division: Upper Division

Requisites: Pre-requisite: junior standing or greater.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE UD Area C: Art & Humanities

All University Requirements: DCG: Non-Domestic

Weekly: Lecture 3 hrs.

### **GERM 480 - Undergraduate Seminar**

Units: 1-4

Film seminar, weekend language retreat, or study of a literary figure, period, or cultural aspect of Germany, Austria, or Switzerland. Also the Children's Language Academy.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: Instructor Consent Required



Grading mode: Optional Grade Basis  
Weekly: Seminar hrs TBD

### **GERM 499 - Directed Study**

Units: 1-3  
Directed reading.  
Division: Upper Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Supervision hrs TBD

## **Health Education**

### **HED 100 - Sound Mind Sound Body**

Units: 3  
Optimum health. Sound mind in a sound body (interrelationship), exercise physiology, human sexuality and childbirth, nutrition, stress, death/dying, psychophysical and behavior, holistic medicine, somatology.  
Division: Lower Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE E: Lifelong Learning  
Weekly: Lecture 3 hrs.

### **HED 120 - Responding to Emergencies - CPRFPR**

Units: 1  
Course includes American Red Cross First Aid, Adult CPR, Adult AED, Child CPR, Child AED, and infant CPR. Leads to first-time certification or recertification of these courses.  
Division: Lower Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Clinical 1 hr.

### **HED 231 - Basic Human Nutrition**

Units: 3  
Nutrient requirements for healthy living. Analyze food sources, function of nutrients, chemical processing, and food absorption. Recommended preparation: chemistry.  
Division: Lower Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs.

### **HED 342 - Nutrition for Athletic Performance**

Units: 3  
How food consumption and nutrition affect energy production and physical performance in sports activities. Analyze diet modifications, such as carbohydrate loading and use of ergogenic aids, to improve performance.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs.

### **HED 344 - Weight Control**

Units: 3  
Theories and practices related to maintaining safe and healthy weight levels. Diet analysis; body composition and effects of exercise; behavior modification.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Lecture 3 hrs.

### **HED 345 - Health Messaging and Mass Media**

Units: 3  
Study of theories of mass communication and health evidence dissemination with practical application in development of culturally appropriate messaging on various communication platforms for the promotion of health programs and behaviors.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs.

### **HED 388 - Community Based Health Promotion**

Units: 3  
In-depth study of engaging the community in the process of health promotion. An emphasis on building relationships with community stakeholders, conducting community needs assessment, developing and assessing community based health promotion programs.  
Division: Upper Division  
Requisites: Pre-requisite: HED 390.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Related  
Weekly: Lecture 3 hrs.

### **HED 390 - Design and Implement HP Program**

Units: 3  
Planning, implementing and evaluating health promotion programs for different populations and different settings.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs.

### **HED 392 - Community and Population Health**

Units: 3  
Introduction to public health, epidemiology, structure, and function of the health care system and environmental health. Methods for addressing health needs in different populations and settings.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Focused  
Weekly: Lecture 3 hrs.

### **HED 400 - A Sound Mind in a Sound Body: Human Integration**

Units: 3  
Optimum health. Sound mind in a sound body (interrelationship), exercise physiology, human sexuality and childbirth, nutrition, stress, death/dying, psychophysiology and behavior, holistic medicine, somatology.  
Division: Upper Division  
Requisites: Pre-requisite: minimum junior standing.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs.

### **HED 405 - School Health Programs**

Units: 3  
Basic personal and school health issues: drug use and abuse, nutrition, sexually transmitted diseases, safety and liability, consumer education, common school-age illnesses, death and dying, human sexuality, and stress. CPR training and certification. Meets health education requirement for teaching credential.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs.

### **HED 446 - Optimal Bone and Muscle Development**

Units: 3

An in-depth study of energy systems, hormonal regulatory mechanisms, and the synergistic aspects of exercise and nutrition related to maintenance, repair, and strength development of bone and muscle.

Division: Upper Division

Requisites: Pre-requisite: HED 342 or HED 231.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 3 hrs.

### **HED 451 - Nutrition and Chronic Disease**

Units: 3

Relationships between nutrition and chronic disease. The role of nutrients, foods, and diet patterns in the prevention or treatment of several chronic diseases including, obesity, diabetes, and hypertension.

Division: Upper Division

Requisites: Pre-requisite: NRS 348, NRS 350, NRS 390, NRS 372.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 3 hrs.

### **HED 495 - Directed Field Experience**

Units: 1-6

Assigned field experience under supervision of college staff.

Department approval required.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: Zero Cost Course Materials

Weekly: Supervision hrs TBD

### **HED 499 - Directed Study**

Units: 1-6

Supervised independent study of areas not covered by scheduled courses.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: Zero Cost Course Materials

Weekly: Supervision hrs TBD

## **History**

### **HIST 104 - Western Civilization to 1650**

Units: 3

Origin and growth of human communities in the Western world. Development of various social and political organizations, cultural milieu, and relationships to the rest of the world.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE D: Social Sciences

Weekly: Lecture 3 hrs.

### **HIST 105 - Western Civilization, 1650 to Present**

Units: 3

Diverse development of Western political and social institutions. Impact of economic, political, scientific, and technological change. Varieties of cultural milieu. Relationships to the rest of the world.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE D: Social Sciences

Sustainability: Sustainability Related

Weekly: Lecture 3 hrs.

### **HIST 106B - Islamic Societies: The Making of the Muslim Middle East**

Units: 3

An introduction to the history of Islamic societies, this course explores key historical events, social and political turning points, and intellectual transformations that have shaped the Middle East and Islam.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE D: Social Sciences

All University Requirements: DCG: Non-Domestic

Weekly: Lecture 3 hrs.

### **HIST 107 - East Asian History to 1644**

Units: 3

China, Korea, and Japan from prehistory to 1644. Early China, Japan, Korea, and Vietnam: their history and arts.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE D: Social Sciences

Weekly: Lecture 3 hrs.

### **HIST 108 - East Asian Civilization Since 1644**

Units: 3

China, Japan, Korea, and Vietnam from 1644 to the present, emphasizing the maturing of East Asian civilization as it encountered the West.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE D: Social Sciences

Weekly: Lecture 3 hrs.

### **HIST 109 - Colonial Latin American History**

Units: 3

Pre-Columbian and colonial Latin America to 19th century independence movements.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE D: Social Sciences

Weekly: Lecture 3 hrs.

### **HIST 109B - Modern Latin America**

Units: 3

Major themes/problems in history of Latin America from early 1800s (independence) to present.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE D: Social Sciences

Weekly: Lecture 3 hrs.

### **HIST 110 - United States History to 1877**

Units: 3

Selected topics. Sources and conditioning factors of American social, political, and economic systems to 1877. Meets requirement in US history established by California legislature.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

All University Requirements: Amer Inst: U.S. History ONLY

Sustainability: Sustainability Related

Weekly: Lecture 3 hrs.

### **HIST 111 - United States History from 1877**

Units: 3

Selected topics. Sources and conditioning factors of American social,

political, and economic systems from 1877. Meets requirement in US history established by California legislature.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

All University Requirements: Amer Inst: U.S. History ONLY

Sustainability: Sustainability Related

Weekly: Lecture 3 hrs.

### **HIST 180 - Special Topics in History**

Units: 3

Variable topics.

Division: Lower Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 3 hrs.

### **HIST 200 - World Cultures and History: Prehistory to 1500 CE**

Units: 3

Survey of different world cultures from prehistory to 1500 CE, with a focus on the major events, trends, religions, political structures, social structures, economic development and cross-cultural interactions throughout the world. Particular attention is paid to human migrations, the effects of cultural adaptation, as well as the evolution of civilizations around the globe.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE D: Social Sciences

Weekly: Lecture 3 hrs.

### **HIST 201 - World Cultures and History: 1500 CE to the Present**

Units: 3

Survey of different world cultures from 1500 CE to the present, with a focus on the major events, trends, religions, political structures, social structures, economic development and cross-cultural interactions throughout the world. Particular attention is paid to human migrations, the effects of cultural adaptation, as well as the evolution of civilizations around the globe.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE D: Social Sciences

Weekly: Lecture 3 hrs.

### **HIST 210 - Historical Methods**

Units: 4

Nature of history; historical consciousness; historians' craft; use of primary/secondary sources. Recommended first course in the major.

One of four units is individualized instruction on assigned essay.

History majors must take HIST 210 before taking upper division major courses.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 4 hrs.

### **HIST 300 - The Era of World War I**

Units: 3

Social, economic, diplomatic, political, and military background before and developments during war. Emphasis on origins and outbreak of war; total war; trench warfare; Bolshevik Revolution; peace settlement; and war's aftermath.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE UD Area D: Social Sciences

Weekly: Lecture 3 hrs.

### **HIST 300R - The Era of World War I, Research Seminar**

Units: 1

Embedded writing workshop. Students write a 10-12 page research paper. Includes: primary and secondary literature review, library research methods, analysis, organization, and peer editing.

Division: Upper Division

Requisites: Co-requisite: HIST 300.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Lecture 1 hr.

### **HIST 301 - The Era of World War II**

Units: 3

Social, economic, diplomatic, political, and military background before and developments during war. Emphasis on totalitarianism; appeasement; propaganda; conduct of war; civilian experiences of war; post-war settlement; beginning of Cold War.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE UD Area D: Social Sciences

Weekly: Lecture 3 hrs.

### **HIST 301R - The Era of World War II, Research Seminar**

Units: 1

Embedded writing workshop. Students write a 10-12 page research paper. Includes: primary and secondary literature review, library research methods, analysis, organization, and peer editing.

Division: Upper Division

Requisites: Co-requisite: HIST 301.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Lecture 1 hr.

### **HIST 305 - The American West**

Units: 3

Diverse American peoples and their frontier experiences between Appalachians and Pacific Coast. History majors must take with HIST 305M.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: UD GE Area D: Social Sciences

Weekly: Lecture 3 hrs.

### **HIST 305M - The American West Depth Experience**

Units: 1

Embedded writing workshop. Students write a 10-12 page research paper. Includes: primary and secondary literature review, library research methods, analysis, organization, and peer editing.

Division: Upper Division

Requisites: Co-requisite: HIST 305

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 1 hr.

### **HIST 306 - Gods and Kings in the Ancient Near East**

Units: 4

Cross-listed with: RS 306

History of the ancient cultures (Mesopotamian, Egyptian, Hebrew, Persian, Mycenaean) that provided the foundations for the emergence of classical western civilization including writing, kings, myths, states, laws, and monotheism.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE UD Area D: Social Sciences  
Weekly: Lecture 4 hrs.

### **HIST 314 - Ancient Greek Civilization and History**

Units: 4

From beginnings to death of Alexander the Great. Bronze Age, Homeric epics, rise of the city-state, Sparta, democracy at Athens, civilization of the Golden Age, rise of Macedonia.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 4 hrs.

### **HIST 315 - History and Civilization of Rome**

Units: 4

From legendary founding to Christianity's triumph. Imperialism, the Republic, the Principate, reasons for Rome's decline.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 4 hrs.

### **HIST 319 - Emergence of the Modern Middle East**

Units: 4

This interdisciplinary course explores the Middle East through the disciplines of history and geography using a wide variety of assignments and primary and secondary sources. Sophomore standing or greater. Recommended preparation: HIST 210.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 4 hrs.

### **HIST 322 - The Age of Knights and Monks**

Units: 4

Europe from 900 AD to beginnings of Renaissance. Life under feudal system, medieval warfare, church/state relations, crusades, major heresies, development of European nations, Gothic architecture, medieval synthesis, Black Death.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 4 hrs.

### **HIST 323 - Gender and Sexuality in East Asian History**

Units: 4

This seminar explores gender roles and relations and sexual cultures in the context of East Asian history. Readings include translated historical documents and works by modern scholars. Recommended preparation: HIST 210.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

All University Requirements: DCG: Non-Domestic

Weekly: Seminar 4 hrs.

### **HIST 324 - The Arab-Israeli Conflict: History, Narratives and Nationalism**

Units: 4

Cross-listed with: PSCI 324

The Arab-Israeli Conflict: History, Narratives and Nationalism. Traces the history and politics of the Arab-Israeli conflict from its earliest days.

Explains events and narratives that shaped this longstanding conflict, while also analyzing U.S. involvement in it. Recommended preparation: HIST 210.

Division: Upper Division

Requisites: Pre-requisite: sophomore standing or greater.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis  
Weekly: Seminar 4 hrs.

### **HIST 326 - History of Mexico**

Units: 4

Surveys Mexican history from Pre-Columbian indigenous societies to present-day EZLN uprising in Chiapas. Focus placed upon political, economic, environmental history, and foreign relations with the United States.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Focused

Weekly: Lecture 4 hrs.

### **HIST 327 - History of Brazil**

Units: 4

Political, economic, and social/cultural history from the colonial era to the present day. Special emphasis on the legacy of African slavery and on Brazil's multicultural society.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

All University Requirements: DCG: Non-Domestic

Sustainability: Sustainability Related

Weekly: Lecture 4 hrs.

### **HIST 328 - Women and Gender in Latin America**

Units: 4

Examines history of women and gender relations in Latin America and Caribbean. Considers historical constructs of masculinity and femininity in context of colonialism, nation building, revolution, and globalization.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

All University Requirements: DCG: Non-Domestic

Sustainability: Sustainability Related

Weekly: Lecture 4 hrs.

### **HIST 329 - Imperial China**

Units: 4

Through lectures, readings, discussions, and research assignments, Imperial China provides students with an intensive introduction to Chinese history from the Bronze Age through the Ming Dynasty.

Division: Upper Division

Requisites: Pre-requisite: HIST 210 (C). History majors and Chinese studies majors only.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 4 hrs.

### **HIST 338 - Modern Chinese History**

Units: 4

Political/ social events from Opium Wars to the present.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 4 hrs.

### **HIST 339 - Modern Japanese History**

Units: 4

Political, social, and economic events from Tokugawa shogunate to present. Westernizing/ modernizing processes.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Related

Weekly: Lecture 4 hrs.

**HIST 342 - Musketeers, Witches and Kings**

Units: 4

Early Modern Europe. Social, cultural, intellectual, religious, economic, political developments from late Reformation to Napoleon. Emphasis on popular belief/culture, baroque kingship, everyday life, eighteenth-century 'public,' political culture of French Revolution.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Related

Weekly: Lecture 4 hrs.

**HIST 343 - French Revolution and Napoleon**

Units: 4

Traces origins, outbreak, progression, and legacy of French Revolution and Napoleon. Special emphasis on socio-economic, intellectual, cultural, and political developments and on historiography.

Division: Upper Division

Requisites: Pre-requisite: HIST 210 (C).

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Related

Weekly: Lecture 4 hrs.

**HIST 345 - Imperialism**

Units: 4

Study of European imperialism with emphasis on 19th/20th centuries. Exploration of details of imperialism as well as role of race, gender, mission, language, and art in shaping colonial interactions.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

All University Requirements: DCG: Non-Domestic

Weekly: Lecture 4 hrs.

**HIST 348 - Modern Germany**

Units: 4

History/Historiography, 1517-present. Emphasis on 'special path' of German history, Lutheran Reformation, Thirty Years War, rise of Prussia, unification under Bismarck, world wars, and Germany's role in Cold War and EU.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 4 hrs.

**HIST 349 - Renaissance and Reformation**

Units: 4

Western Europe in the 15th and 16th centuries. An exploration of the artistic vision, intellectual revival, and religious conflicts of the period, and the foundation of nation states.

Division: Upper Division

Requisites: Pre-requisite: HIST 210 (C).

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 4 hrs.

**HIST 350 - History of the Soviet Union**

Units: 4

Covers all aspects of the Soviet experiment from the revolution of 1917, through the Stalin years, and through the long decline and sudden collapse of the Soviet Union.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 4 hrs.

**HIST 353 - Modern Britain**

Units: 4

Britain from the Act of Union: Parliament to Devolution; the Industrial Revolution and its cost; the rise and loss of Empire; and the establishment and fate of the welfare state.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 4 hrs.

**HIST 368 - Colonial and Revolutionary America**

Units: 4

Growth of English mainland colonies in 17th and 18th centuries, culminating in war for American independence.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 4 hrs.

**HIST 369 - Age of Jefferson and Jackson**

Units: 4

Battles over constitutional interpretations from 1787 to 1830s. Biographical emphasis. Development of political parties, social and economic reforms, states' rights.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Related

Weekly: Lecture 4 hrs.

**HIST 371 - Civil War and Reconstruction**

Units: 4

Dissolution and reunification of American Union, 1861-77. Rebellion and secession; military campaigns; wartime civil rights; constitutional, political, social crises.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 4 hrs.

**HIST 372 - Rise of Modern America, 1877- 1929**

Units: 4

Industrial and urban growth; rise of big business and big government; US as a world power.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

All University Requirements: DCG: Domestic

Weekly: Lecture 4 hrs.

**HIST 374 - Contemporary America, 1929 to the Present**

Units: 4

Economic, social, cultural and political change with an emphasis on issues of gender and race. The relationship between foreign and domestic policy and changes in technology are also covered.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

All University Requirements: DCG: Domestic

Sustainability: Sustainability Related

Weekly: Lecture 4 hrs.

**HIST 375A - US Foreign Relations, 1789-1943**

Units: 4

Survey main themes from American Revolution through 19th century; then 1890s until World War II covered in greater depth.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 4 hrs.

**HIST 375B - US Foreign Relations, 1943-Present**

Units: 4

From World War II to present day, emphasizing themes such as domestic politics, US visions of its role in the world, the media, and changing world conditions.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 4 hrs.

**HIST 377 - Vietnam Wars**

Units: 4

Vietnamese history, French colonialism, American involvement and the military, social, cultural and political results to understand the multi layered after effects of the Vietnam Wars in the U.S., Southeast Asia, and the world.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

All University Requirements: DCG: Non-Domestic

Weekly: Lecture 4 hrs.

**HIST 383 - California History**

Units: 4

Historical analysis of factors producing the complex, diverse commonwealth of California.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 4 hrs.

**HIST 387 - International Education Colloquium**

Units: 1

Cross-listed with: ANTH 387, COMM 387, ECON 387, GEOG 387, INTL 387, PSCI 387

Earn credit by attending International Education Week events and participating in an online discussion forum. Mandatory pre-event meeting.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Mandatory CR/NC

Sustainability: Sustainability Related

Zero cost course materials: Zero Cost Course Materials

Weekly: Lecture 1 hr.

**HIST 391 - Special Topics and Interdisciplinary Studies in History**

Units: 1-4

Topics announced in class schedule. Examples: cold war, novel as history, Puritanism, 20th century US science and technology, Arab/Israel conflict, South Africa.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar hrs TBD

**HIST 392 - Special Topics in European History**

Units: 1-4

Special topics in European history that may include major events, themes, or historical periods. Topic varies. One of four units is individualized instruction on assigned topics.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar hrs TBD

**HIST 393 - Special Topics in Non-Western History**

Units: 1-4

Special topics in world regional history will vary.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar hrs TBD

**HIST 394 - History Conference**

Units: 1

Opportunity for students to be historians by presenting an original research paper in a conference setting. Students must attend preliminary meetings and all parts of the conference for credit.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Seminar 1 hr.

**HIST 395 - Classroom Observation for History Day**

Units: 1

Students will assist elementary/secondary students in History Day projects by helping them select a topic, locate historical documents, and organize research into a final project and will mentor historical skills and methodologies in local classrooms.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Mandatory CR/NC

Zero cost course materials: No Course Materials Required

Weekly: Tutorial hrs TBD

**HIST 396 - International Latino Film Seminar**

Units: 1

Cross-listed with: ES 396, SPAN 396

This seminar presents and discusses three films from the Hispanic world, in Spanish with English subtitles.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Mandatory CR/NC

Zero cost course materials: Zero Cost Course Materials

Weekly: Lecture 1 hr.

**HIST 397 - Weekend Workshops: Variable Topics**

Units: 1

Intensive weekend workshop to delve into greater depth on a historical topic.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 1 hr.

**HIST 398 - History Career Workshop**

Units: 1

Help students think about the ways they learn and work as history majors and how to translate their knowledge into skills valuable in the working world.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Mandatory CR/NC

Zero cost course materials: No Course Materials Required

Weekly: Seminar 1 hr.

**HIST 420 - Interpreting History for Teachers**

Units: 4

Capstone course in history for the Social Sciences Education major that enables students to connect social science content to state education standards and critically access their own progress and skills acquisitions in the major.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 4 hrs.

### **HIST 482 - Internship in History**

Units: 1-3

Field observation and placement in a public or private nonprofit agency.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: Instructor Consent Required

Grading mode: Mandatory CR/NC

Zero cost course materials: No Course Materials Required

Academic internship course: Yes

Weekly: Supervision hrs TBD

### **HIST 490 - Senior Seminar**

Units: 4

Directed, individual investigation. Prepare senior research paper. Apply techniques of historical research and criticism.

Division: Upper Division

Requisites: Pre-requisite: senior standing.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Seminar 4 hrs.

### **HIST 491 - Mentoring**

Units: 1-3

Advanced majors gain experience as teaching assistants working with a diverse body of students.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: Instructor Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Supervision hrs TBD

### **HIST 499 - Directed Study**

Units: 1-4

Assigned readings or research in specific historical period or topic.

Open to advanced students only upon instructor and Department approval.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Supervision hrs TBD

## **International Studies**

### **INTL 100 - Thinking Critically About Globalization**

Units: 3

Development of critical thinking through an understanding of the principles of reasoning and tools of evaluation and argumentation with application to questions of globalization concerning economics, politics, and culture.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE A3: Critical Thinking

Sustainability: Sustainability Related

Zero cost course materials: Zero Cost Course Materials

Weekly: Lecture 3 hrs.

### **INTL 100S - Thinking Critically About Globalization**

Units: 3

Development of critical thinking through an understanding of the principles of reasoning and tools of evaluation and argumentation with application to questions of globalization concerning economics, politics, and culture with Service Learning.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE A3: Critical Thinking

Sustainability: Sustainability Related

Zero cost course materials: Zero Cost Course Materials

Service learning course: Yes

Weekly: Lecture 3 hrs.

### **INTL 210 - Introduction to International Studies**

Units: 4

Introduction to the multi-disciplinary field of International Studies, with preparation for further coursework in the major. Examines development of modern world through diverse analytical lenses.

Division: Lower Division

Requisites: Pre-requisite: ENGL 103 or ENGL 104 or ENGL 104S.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Related

Weekly: Lecture 4 hrs.

### **INTL 220 - Introduction to Cultural Studies**

Units: 3

Topics studied include culture and imperialism/ cultural imperialism; orientalism and the politics of representation; (post) colonialism; cultural appropriation, hybridity, and syncretism; diasporic, transnational, cosmopolitan, and border cultures; "global" pop culture.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Related

Weekly: Lecture 3 hrs.

### **INTL 280 - Topics in International Studies**

Units: 1-4

Selected intermediate topics in International Studies. Topics vary by offering.

Division: Lower Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture hrs TBD

### **INTL 320 - Career Workshop**

Units: 1

Career planning, networking, resume, cover letter, internship and job search, working a room.

Division: Upper Division

Requisites: Pre-requisite: junior standing or above, or IA.

Permission to enroll: No Special Consent Required

Grading mode: Mandatory CR/NC

Zero cost course materials: Zero Cost Course Materials

Weekly: Seminar 1 hr.

### **INTL 387 - International Education Colloquium**

Units: 1

Cross-listed with: ANTH 387, COMM 387, ECON 387, GEOG 387, HIST 387, PSCI 387

Earn credit by attending International Education Week events and participating in an online discussion forum. Mandatory pre-event meeting.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required  
Grading mode: Mandatory CR/NC  
Sustainability: Sustainability Related  
Zero cost course materials: Zero Cost Course Materials  
Weekly: Lecture 1 hr.

### **INTL 410 - Global Issues Analysis**

Units: 4  
Interdisciplinary analysis of global issues bridging the perspectives of politics, economics, and culture with an emphasis on research and writing skills in the service of critical analysis.  
Division: Upper Division  
Requisites: Pre-requisite: INTL 210 and INTL 220 and (PSCI 240 or GEOG 363) and (ECON 305 or ECON 306) and Co-requisite: ANTH 318 or CRGS 390 or GEOG 311 or HIST 210 or PSCI 295 (or may have been taken previously)  
Permission to enroll: No Special Consent Required  
Grading mode: Mandatory Letter Grade  
Sustainability: Sustainability Related  
Weekly: Lecture 4 hrs.

### **INTL 480 - Topics in International Studies**

Units: 1-4  
Selected advanced topics in International Studies. Topics vary by offering.  
Division: Upper Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture hrs TBD

### **INTL 490 - International Studies Capstone**

Units: 3  
Students synthesize and apply the student learning outcomes in the program in preparation for career or graduate studies.  
Division: Upper Division  
Requisites: Pre-requisite: fulfillment of advisor-approved Residency Abroad and INTL 410 (C). Senior standing International Studies major.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Related  
Zero cost course materials: Zero Cost Course Materials  
Weekly: Seminar 3 hrs.

### **INTL 499 - Directed Studies**

Units: 1-4  
Assigned readings or research in specific topic. Open to advanced students with Instructor Approval.  
Division: Upper Division  
Repeats: Repeatable for Credit  
Permission to enroll: Instructor Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: Zero Cost Course Materials  
Weekly: Supervision hrs TBD

## **Journalism & Mass Communication**

Note: Ability to type needed in all journalism and mass communication skills courses.

### **JMC 105 - Introduction to Mass Communication**

Units: 3  
Explore the transformations in mass communication, examining the technological innovations and social, cultural and political impacts of media on individuals and society. From the advent of the printing press to wireless radio and television transmissions, mass communication is explored mainly from the perspective of consumers and how they relate to media.  
Division: Lower Division

Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE C2: Humanities  
Zero cost course materials: Zero Cost Course Materials  
Weekly: Lecture 3 hrs.

### **JMC 120 - Beginning Reporting**

Units: 3  
Learn and practice the basic skills of reporting, interviewing and journalistic storytelling for a wide variety of audiences. Improve your writing and oral communication skills and become a more organized thinker about content. Prerequisite for several journalism courses.  
Division: Lower Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Lecture 3 hrs.

### **JMC 125 - Media Making Tools**

Units: 3  
Get hands-on introduction to audio and visual software, apps and multimedia tools to effectively create true stories.  
Division: Lower Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Lecture 3 hrs.

### **JMC 134 - Photojournalism**

Units: 3  
Gain a foundation of digital photography while documenting the world around you. Learn Adobe Photoshop editing software to optimize your images for publication. Students will photograph people and events and learn to compose compelling images applying the ethical and legal principles in the photojournalism profession.  
Division: Lower Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Activity 6 hrs.

### **JMC 150 - Media Design**

Units: 3  
Gain critical knowledge and skills in typography, layout and graphic design using Adobe Illustrator and InDesign to create a portfolio of projects useful for careers in news, public relations, advertising and business.  
Division: Lower Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Lecture 3 hrs.

### **JMC 154 - Radio and Audio Production**

Units: 3  
Get hands-on learning in multitrack digital audio production essential for careers in radio, television, filmmaking, podcasting, music mixing and documentary. Learn microphone technique, broadcast sound board operation and writing for the student-run radio station KRFH, 105.1FM. Class may be taken concurrently with JMC 155 KRFH On Air Workshop.  
Division: Lower Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 2 hrs. Tutorial hrs TBD

### **JMC 155 - KRFH On Air Workshop**

Units: 1  
Cross-listed with: JMC 355  
Be a DJ and create live weekly music, talk, sports or other shows on



KRFH, the student-run radio station broadcasting at 105.1 FM and on KRFH.net. Students learn all aspects of working at a radio station by being a part of a management team.

Division: Lower Division

Requisites: Pre-requisite: JMC 154 (may be taken concurrently).

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Tutorial hrs TBD

### **JMC 156 - Video Production**

Units: 3

Experience hands-on learning and produce videos that will capture the audience's attention. Learn basic skills in field camera production and Adobe Premiere Pro editing. Work on a variety of video projects with a message of social justice and environmental responsibility.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Related

Weekly: Lecture 2 hrs. Activity 2 hrs.

### **JMC 160 - El Leñador News**

Units: 2

Work as a reporter, photographer, designer, translator, copyeditor, or in another role to produce El Leñador, the student English/Spanish newspaper and website with stories that matter to the Latinx and diverse communities. Open to all majors. Spanish not required to participate.

Division: Lower Division

Requisites: Pre-requisite: JMC 120. Prerequisite may be waived for majors outside of journalism. Contact instructor.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Mandatory CR/NC

Weekly: Tutorial hrs TBD

### **JMC 280 - Selected Topics in Journalism and Mass Communication**

Units: 1

Selected topics in journalism and mass communication offered at the lower division level.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 1 hr.

### **JMC 302 - Mass Media and Popular Arts**

Units: 3

Popular arts presented through mass media. Analyze personal responses; cultivate understanding of how mass media process works of popular art; develop powers of discrimination.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE UD Area C: Art & Humanities

Weekly: Lecture 3 hrs.

### **JMC 305 - Global Media and Society**

Units: 3

Diversify knowledge of the global media landscape by examining international cross-cultural communications and the role of international media in social, political, technological and economic change.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE UD Area D: Social Sciences

All University Requirements: DCG: Non-Domestic

Weekly: Lecture 3 hrs.

### **JMC 306 - Mass Media History**

Units: 3

Explore media history from the perspective of black, brown and LGBTQIA+ media producers. Introduction to early black movie producers, newspapers created in 1940s Japanese-American prison camps and the first gay magazine that helped change postal service censorship laws.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE UD Area D: Social Sciences

Weekly: Lecture 3 hrs.

### **JMC 309 - Analyzing Media Messages**

Units: 3

Analyze contexts and influence of media messages in music, film, social media and other forms to improve our media literacy and to better understand the human condition.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE UD Area C: Art & Humanities, GE UD Area D: Social Sciences

Weekly: Lecture 3 hrs.

### **JMC 318 - Media Research**

Units: 3

Learn about research methods including public opinion polls, focus groups, interviews and textual analysis. Design original research projects on environmental and social justice in the current media landscape.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 3 hrs.

### **JMC 320 - Advanced Reporting**

Units: 3

Enhance your skills in reporting and gathering information. Learn how to find great story ideas and interesting people to interview to improve your storytelling.

Division: Upper Division

Requisites: Pre-requisite: JMC 120 or Instructor Approval.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 3 hrs.

### **JMC 322 - Editing**

Units: 3

Become a better writer by copyediting and critiquing other written works. Learn the skills of crafting headlines and making stories meaningful for audiences.

Division: Upper Division

Requisites: Pre-requisite: JMC 120 and JMC 125.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Lecture 3 hrs.

### **JMC 323 - Public Relations**

Units: 3

Learn fundamentals of strategic communication, brand-building, audience engagement and content creation to prepare for a career in public relations, communications, marketing, community relations and advocacy.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Related  
Weekly: Lecture 3 hrs.

### **JMC 324 - Feature Writing for Publication**

Units: 3  
Explore the evolution, strengths and complications of telling long-form journalistic true stories. Practice writing non-fiction narrative for online and print publication. Consider the business of freelance writing.  
Division: Upper Division  
Requisites: Pre-requisite: JMC 120 and JMC 125.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Lecture 3 hrs.

### **JMC 325 - Osprey Magazine Production**

Units: 2  
Work as a writer, editor, layout designer, photographer or in another role and collaborate with other student staff members to create and publish the Osprey general feature magazine. Not repeatable for journalism major credit.  
Division: Upper Division  
Requisites: Pre-requisite: JMC 120. Pre-requisite may be waived for majors outside of journalism. Contact instructor.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Mandatory CR/NC  
Sustainability: Sustainability Focused  
Zero cost course materials: No Course Materials Required  
Weekly: Tutorial hrs TBD

### **JMC 326 - Investigative Reporting**

Units: 3  
Apply in-depth reporting techniques and synthesize large amounts of information into a compelling story about an important community issue.  
Division: Upper Division  
Requisites: Pre-requisite: JMC 120 or instructor approval.  
Recommended preparation: JMC 320.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs.

### **JMC 327 - Lumberjack News Workshop**

Units: 2  
Work as a reporter, photographer, designer, editor or in another role to produce content for The Lumberjack. You can have your voice heard and practice the skills necessary to ensure a free press.  
Division: Upper Division  
Requisites: Pre-requisite: JMC 120 and JMC 125.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Mandatory CR/NC  
Zero cost course materials: No Course Materials Required  
Weekly: Tutorial hrs TBD

### **JMC 328 - Media Law**

Units: 3  
Discover the laws that protect the rights of the public and the media. Explore the First Amendment and issues of copyright, privacy, defamation, indecency and public access to governmental meetings and documents.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs.

### **JMC 332 - Media Ethics**

Units: 3  
An examination of ethical issues in news, advertising, public relations, and the entertainment industry.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs.

### **JMC 333 - Radio News Workshop**

Units: 2  
Broadcast the news live on the air on the student campus radio station KRFH 105.1 FM. Practice gathering information, writing, editing and producing news stories on deadline for live radio audience.  
Division: Upper Division  
Requisites: Pre-requisite: JMC 120.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Mandatory CR/NC  
Zero cost course materials: No Course Materials Required  
Weekly: Tutorial hrs TBD

### **JMC 334 - Advanced Photojournalism**

Units: 3  
Learn intermediate to advanced skills in photojournalism and Photoshop. Build portfolio of work and learn how to be a freelance photographer. Create long-form visual narratives with an emphasis on editing for presentation and publication. Open to all majors.  
Division: Upper Division  
Requisites: Pre-requisite: JMC 134. Prerequisite may be waived with completion of another digital photography course with a grade of C or better.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Activity 6 hrs.

### **JMC 336 - Advanced Video Production**

Units: 3  
Students in this course use professional video cameras and digital editing to effectively report news and information. Advanced production techniques include field camera operation, more advanced uses of digital sound editing and titling.  
Division: Upper Division  
Requisites: Pre-requisite: JMC 156.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Activity 9 hrs.

### **JMC 354 - Media Advertising**

Units: 3  
Examine the advertising profession and how it relates to social, ethical and behavioral contexts. Create advertising campaigns and explore creative development and account management. Course prepares students for careers in advertising, marketing, public relations and media.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs.

### **JMC 355 - Advanced KRFH On Air Workshop**

Units: 2  
Cross-listed with: JMC 155  
Work as a manager, take a leadership or mentoring role and broadcast live on the air on the student-run radio station KRFH 105.1 FM and KRFH.net. Open to all majors. Course is not repeatable for major credit.  
Division: Upper Division  
Requisites: Pre-requisite: JMC 154 and JMC 155.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis  
Weekly: Tutorial hrs TBD

### **JMC 360 - Advanced El Leñador News**

Units: 2

Take on a leadership position with El Leñador and practice advanced reporting and storytelling to produce the student monthly English/Spanish newspaper and website that creates news that matters to the Latinx and diverse communities. Develop professional skills, build your portfolio. Open to all majors, Spanish not required to participate.

Division: Upper Division

Requisites: Pre-requisites: JMC 120 and JMC 160.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Mandatory CR/NC

Weekly: Tutorial hrs TBD

### **JMC 427 - Advanced Lumberjack News Workshop**

Units: 2

Work on The Lumberjack newspaper staff in a leadership position as a manager or editor or practice other advanced reporting and storytelling techniques using multimedia. Build your portfolio, boost your resume and practice the skills necessary to ensure democracy and a free press.

Division: Upper Division

Requisites: Pre-requisite: JMC 327.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Mandatory CR/NC

Sustainability: Sustainability Focused

Zero cost course materials: No Course Materials Required

Weekly: Tutorial hrs TBD

### **JMC 429 - Advanced Public Relations**

Units: 3

Practical experience working with community partners, media, and other stakeholders to create and manage public relations campaigns that affect positive change.

Division: Upper Division

Requisites: Pre-requisite: JMC 120 and JMC 323, or instructor approval.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Related

Weekly: Lecture 3 hrs.

### **JMC 450 - Media Management and Entrepreneurship**

Units: 3

Become a media entrepreneur. Design a media product, learn to create a startup company and explore the successes and failures of those in the business.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 3 hrs.

### **JMC 480 - Special Topics**

Units: 3

Selected media topics that change each semester. Offerings include environmental journalism, investigative journalism, sports journalism, war reporting, parody news, food and travel storytelling, opinion writing, media and social change, covering challenging topics, and more. Check the class schedule or contact the department for the current topic.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 3 hrs.

### **JMC 482 - Media Internship**

Units: 1-3

Gain professional on-the-job learning experience related to your career interest in a media-related position. Learn relevant skills and network with potential employers.

Division: Upper Division

Requisites: Pre-requisite: major in journalism, minor in journalism or Spanish media

Repeats: Repeatable for Credit

Permission to enroll: Instructor Consent Required

Grading mode: Mandatory CR/NC

Zero cost course materials: No Course Materials Required

Academic internship course: Yes

Weekly: Supervision hrs TBD

### **JMC 490 - Seminar in Journalism**

Units: 1-4

Selected problem, topic, or area treated more intensively than in other offerings.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: Instructor Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Course fees: See class schedule for fee information

Weekly: Seminar hrs TBD

### **JMC 499 - Directed Study**

Units: 1-4

Independent student project of in-depth work related to media, journalism, public relations or communications. May include written, multimedia or documentary-type production with faculty supervision.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: Instructor Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Supervision hrs TBD

## **Kinesiology**

### **KINS 165 - Foundations of Kinesiology**

Units: 3

Contemporary practices; current issues. Philosophies and cultural foundations of human movement. Develop writing skills.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 3 hrs.

### **KINS 244 - Medical Terminology**

Units: 1

Understanding medical terminology is essential for anyone interested in working in healthcare. In this class, students will develop a medical vocabulary grounded in basic medical terminology through the study of root words, prefixes, and suffixes. Students will learn correct pronunciations, spellings, and use of medical terms. Anatomy, physiology, and pathology of diseases will be discussed.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Mandatory Letter Grade

Weekly: Lecture 1 hr.

### **KINS 276 - Techniques in Athletic Training**

Units: 3

Care and prevention of athletic injuries: taping, emergency care, rehabilitation, injury prevention, use of therapeutic equipment.

Division: Lower Division

Requisites: Pre-requisite: Human Anatomy or Human Physiology course.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **KINS 288 - Foundations of Science in Kinesiology**

Units: 3

This course studies the major systems of the body through a biochemical, molecular biology lens. Students will engage introductory concepts of metabolism, biochemistry, public health, medical science, health sciences, pathology, and human performance. This course is designed for kinesiology and nursing students with a strong interest in the health or medical field of study and is a component course of kinesiology core.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Mandatory Letter Grade

Weekly: Lecture 3 hrs.

### **KINS 311 - Concepts of Teaching Aquatics**

Units: 2

Analysis of teaching concepts and skills in aquatics; instructional approaches, planning, curriculum, and evaluation of concepts and skills for water safety instruction.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 1 hr. Activity 2 hrs.

### **KINS 315 - Concepts of Teaching Dynamic Patterns of Movement**

Units: 2

Analysis of teaching concepts and skills in dynamic patterns of movement; instructional approaches, planning, curriculum, and evaluation of combatives/self-defenses and gymnastics concepts and skills.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 1 hr. Activity 2 hrs.

### **KINS 325 - Health-Related Exercise**

Units: 2

Principles, theory, and practice of health-related exercise through fitness programs, recreational activities, and outdoor education. Analysis of teaching and learning; instructional and curricular approaches; standards-based instruction; planning and assessment strategies.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Lecture 1 hr. Activity 2 hrs.

### **KINS 327 - Games Concepts I**

Units: 3

Teaching Games for Understanding (TGFU) as applied to net/wall and target-based activities. Analysis of teaching and learning; instructional and curricular approaches; standards-based instruction; planning and assessment strategies.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 1 hr. Activity 4 hrs.

### **KINS 329 - Games Concepts II**

Units: 3

Teaching Games for Understanding (TGFU) as applied to invasion and

fielding/run scoring activities. Analysis of teaching and learning; instructional and curricular approaches; standards-based instruction; planning and assessment strategies.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 1 hr. Activity 4 hrs.

### **KINS 339 - Group Exercise Instruction**

Units: 2

Theory and practice for group exercise leaders. Functional effects of exercise, safe techniques, modifications for special populations, choreography, health screening, and legal issues. Prepares individuals to be effective exercise instructors.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 1 hr. Activity 2 hrs.

### **KINS 378 - Sport in Society**

Units: 3

Physical activity as part of culture: how it affects values, attitudes, technology; how it works in sociocultural systems.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Lecture 3 hrs.

### **KINS 379 - Exercise Physiology**

Units: 4

How the body responds, adjusts, and adapts to exercise. Muscular, circulatory, respiratory, energy, and endocrine systems.

Division: Upper Division

Requisites: Pre-requisite: ZOOL 113 or ZOOL 310.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 3 hrs. Activity 2 hrs.

### **KINS 384 - Curriculum and Instructional Strategies in Physical Education**

Units: 3

Evaluate curriculum content of secondary physical education programs. Implement curricular theory by developing an instructional program. Employ effective management techniques in lab settings.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 3 hrs.

### **KINS 385 - Adapted Physical Activity**

Units: 3

Provides students with the opportunity to understand the History of Special Education Law and how these laws protect the rights of individuals with disabilities within the physical education setting. Students will understand philosophies, such as inclusion, and how cultural differences can be addressed within the classroom. Students will understand how students qualify for adapted physical education and how adapted sports can be included in the K-12 curriculum to provide each student the opportunity to become physically literate.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 3 hrs.

### **KINS 386 - Structural Kinesiology**

Units: 4

Structural/ mechanical analysis of human motor performance.

Osteology, arthrology, myology, anatomical mechanics, motion ability factors, anthropometry, and specific structural movement problems, with emphasis on qualitative analysis.

Division: Upper Division

Requisites: Pre-requisite: ZOOL 270.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 3 hrs. Activity 2 hrs.

### **KINS 425 - Strength and Conditioning**

Units: 3

Scientific basis for and practical applications of resistance training.

Design and implementation of conditioning programs. Lifting mechanics, techniques and instructional strategies for teaching weight lifting for sport/performance outcomes.

Division: Upper Division

Requisites: Pre-requisite: KINS 379 and KINS 386 (C).

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 2 hrs. Activity 2 hrs.

### **KINS 447 - Pharmacology and Ergogenic Aids**

Units: 3

Medication effects on the physiological response to exercise/stress testing. Effects of ergogenic aids on performance/health.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 3 hrs.

### **KINS 456A - Fitness Assessment and Exercise Programming**

Units: 4

Implementation of fitness assessments to evaluate cardiorespiratory endurance and body composition, and to develop exercise prescriptions based on assessment data for low-to moderate-risk individuals and those with controlled disease.

Division: Upper Division

Requisites: Pre-requisite: HED 120, KINS 379.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 3 hrs. Activity 2 hrs.

### **KINS 456B - Fitness Assessment and Exercise Programming**

Units: 4

Implementation of fitness assessments to evaluate muscular fitness and flexibility, and to develop exercise prescriptions based on assessment data for low-to moderate-risk individuals and those with controlled disease.

Division: Upper Division

Requisites: Pre-requisite: HED 120, KINS 379.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Lecture 3 hrs. Activity 2 hrs.

### **KINS 460 - Human Performance Lab Techniques**

Units: 1

Introduction to the basic testing procedures used in the assessment of human performance, health, and wellness. Application and practice of techniques in administering tests and analysis of data. Kinesiology majors with junior standing or greater.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Laboratory 3 hrs.

### **KINS 474 - Psychology of Sport and Exercise**

Units: 3

Theoretical and applied aspects of the psychology of exercise and sport. Review of personality, motivational processes, interpersonal and group processes, developmental patterns, and intervention techniques in cultural contexts.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

All University Requirements: DCG: Domestic

Weekly: Lecture 3 hrs.

### **KINS 475 - Elementary School Physical Education**

Units: 3

Analyze motor skills. Appropriate movement patterns and progressions for children and early adolescents. Meets elementary education credential requirements.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 3 hrs.

### **KINS 480 - Special Topics**

Units: 1-4

Topics of current interest.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar hrs TBD

### **KINS 480L - Special Topics**

Units: 1-4

Topics of current interest.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Laboratory hrs TBD

### **KINS 482 - Internship in Kinesiology**

Units: 2-7

Supervised experience in corporate/private business, clinical, community, educational, research, or sport performance setting. Application of knowledge, skills, and abilities in exercise science and/or health promotion.

Division: Upper Division

Requisites: Pre-requisite: completion of all kinesiology and exercise science option courses and IA.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Mandatory CR/NC

Zero cost course materials: No Course Materials Required

Academic internship course: Yes

Weekly: Supervision hrs TBD

### **KINS 483 - Evaluation Techniques in Kinesiology**

Units: 3

Testing, measurement, and statistical procedures. Theory and lab analysis of how measuring/ statistical devices are constructed, administered, evaluated.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 3 hrs.

### **KINS 484 - Motor Development/Motor Learning**

Units: 3

Principles of perceptual organization. Functions of proprioceptors and other sensory modes in developing kinesthesia. Interrelationships

necessary for cognition.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs.

#### **KINS 486 - Theory of Coaching**

Units: 2  
Provides coach with general knowledge of fiscal management, contest management, public relations, marketing. Guest lecturers.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 2 hrs.

#### **KINS 487 - Biomechanics Lab Techniques**

Units: 2  
This course introduces students to advanced biomechanics concepts and skills applied to research and clinical testing. Student gains an understanding of balance testing, gait analysis, electromyography, and force measurement.  
Division: Upper Division  
Requisites: Pre-requisite: KINS 386 (C). Kinesiology majors.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Laboratory 6 hrs.

#### **KINS 490 - Practica**

Units: 3  
Application of principles of kinesiology in a school, community-based agency, physical therapy, clinical, or health promotion setting.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Seminar 1 hr. Tutorial hrs TBD

#### **KINS 492 - Senior Seminar in Kinesiology**

Units: 3  
Selected trends.  
Division: Upper Division  
Requisites: Pre-requisite: senior standing.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Seminar 3 hrs.

#### **KINS 495 - Directed Field Experience**

Units: 1-6  
Assigned field experience under supervision of Cal Poly Humboldt staff.  
Division: Upper Division  
Requisites: Pre-requisite: HED 120 and junior standing.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: Zero Cost Course Materials  
Weekly: Supervision hrs TBD

#### **KINS 499 - Directed Study**

Units: 1-6  
Supervised independent study in areas not covered by scheduled courses.  
Division: Upper Division  
Requisites: Pre-requisite: Open only to undergraduates.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis

Zero cost course materials: Zero Cost Course Materials  
Weekly: Supervision hrs TBD

#### **KINS 535 - Assessment Techniques**

Units: 2  
Psychomotor assessment for individuals with disabilities. Implement assessment programs in public schools.  
Division: Graduate  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 1 hr. Laboratory 3 hrs.

#### **KINS 575 - Advanced Sports Nutrition**

Units: 3  
Examine the impact of nutrition on exercise and sports performance. Topics include bioenergetics, macro- and micronutrients, nutrient timing, fluid balance, diet recommendations, weight management and disordered eating in sport.  
Division: Graduate  
Requisites: Pre-requisite: HED 231, KINS 379.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 3 hrs.

#### **KINS 577 - Adapted Physical Education Programs**

Units: 4  
Relationship between handicapping conditions and physical activity. Value of physical activity for individuals with disabilities.  
Division: Graduate  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 3 hrs. Laboratory 3 hrs.

#### **KINS 578 - Adapted Aquatics for Instructors**

Units: 2  
Develop aquatic activities for persons with disabilities. Red Cross certification.  
Division: Graduate  
Requisites: Pre-requisite: water safety instructor.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 1 hr. Activity 2 hrs.

#### **KINS 580 - Special Topics**

Units: 1-4  
Topics of current interest.  
Division: Graduate  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar hrs TBD

#### **KINS 588 - Optimizing Exercise Training**

Units: 3  
This course covers exercise prescription and training based on advanced study of the physiological responses and adaptations to exercise and deep understanding of the metabolic, neuromuscular and cardiorespiratory systems.  
Division: Graduate  
Requisites: Pre-requisite: KINS 379; junior standing or above.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Clinical 3 hrs.

#### **KINS 610 - Statistics for Kinesiology**

Units: 3  
Parametric and nonparametric univariate and multivariate statistical procedures. Analysis, interpretation, and presentation of data.  
Division: Graduate  
Requisites: Pre-requisite: KINS 483 or course in elementary statistics.

Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs.

### **KINS 615 - College Teaching in Kinesiology**

Units: 3  
Conceptual and practical understanding of knowledge and skills applied to teaching in higher education. Topics include: collaborative/active learning techniques, developing students' critical thinking skills, strategies in planning, instruction & assessment.  
Division: Graduate  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 3 hrs.

### **KINS 635 - Research Methods in Kinesiology**

Units: 3  
Introduction to research concepts, design, methods, analyses, and ethics in Kinesiology. Develop professional writing and presentation skills.  
Division: Graduate  
Requisites: Pre-requisite: graduate standing with classified status in kinesiology MS program.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 3 hrs.

### **KINS 640 - Psychology of Sport and Exercise**

Units: 3  
Introduction to theoretical and applied aspects of the psychology of sport and physical activity. Topics include: anxiety, body image, confidence, exercise and mood, injury, motivation, multicultural issues and performance enhancement.  
Division: Graduate  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 3 hrs.

### **KINS 650 - Exercise Physiology**

Units: 3  
Advanced study of the physiological responses and adaptations to physical activity. Emphasis is on the metabolic, neuromuscular, and cardiorespiratory systems.  
Division: Graduate  
Requisites: Pre-requisite: KINS 379.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 3 hrs.

### **KINS 655 - Biomechanics**

Units: 3  
Principles of physics and physiology applied to the analysis of human movement. Quantitative analysis of kinematics and kinetics of human movement. Mechanical properties of muscles, tendons, ligaments and bones.  
Division: Graduate  
Requisites: Pre-requisite: KINS 386 or equivalent.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 3 hrs.

### **KINS 684 - Graduate Seminar in Kinesiology**

Units: 3  
A readings, discussion, and seminar course designed to examine selected aspects of the human movement and sport professions. Recommended for those students entering the Physical Education graduate program.  
Division: Graduate  
Requisites: Pre-requisite: graduate standing with classification status in Kinesiology MA program or IA.

Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 3 hrs.

### **KINS 690 - Thesis Writing Seminar**

Units: 1-6  
Written under direction of chairperson and/or committee.  
Division: Graduate  
Requisites: Pre-requisite: KINS 635.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Supervision hrs TBD

### **KINS 691 - Comprehensive Exam**

Units: 0  
Comprehensive exam for the Master's degree in Kinesiology.  
Division: Graduate  
Requisites: Pre-requisite: Completion of 24 units of graduate program coursework in Kinesiology.  
Permission to enroll: No Special Consent Required  
Grading mode: Mandatory CR/NC  
Zero cost course materials: Zero Cost Course Materials  
Weekly: Tutorial hrs TBD

### **KINS 695 - Directed Field Experience**

Units: 1-6  
Approved practical assignment directly related to student MS program. Supervised by department faculty member. Pursuant to field study program procedures, submit detailed written report prior to starting and completing course.  
Division: Graduate  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: Zero Cost Course Materials  
Weekly: Supervision hrs TBD

### **KINS 699 - Independent Study**

Units: 1-6  
Division: Graduate  
Requisites: Pre-requisite: graduate standing with classified status in Kinesiology MS program or IA.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: Zero Cost Course Materials  
Weekly: Supervision hrs TBD

## **Leadership Studies**

### **LDRS 311 - Foundations of Leadership**

Units: 3  
Survey concepts of leadership: leadership styles, effective leadership, vision, and motivation. Critical thinking and team building emphasized. Includes definitions: leadership theories, leadership diversity, ethical leadership, and overcoming organizational obstacles.  
Division: Upper Division  
Requisites: Pre-requisite: Interdisciplinary Studies: Leadership Studies Major.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs.

### **LDRS 321 - Data Driven Leadership**

Units: 3  
Develop understanding of theories, strategies, operational issues and

research related to collecting, analyzing, summarizing and presenting data related to organizational effectiveness. Use analysis for forecasting. Basic methods of analyzing data.  
Division: Upper Division  
Requisites: Pre-requisite: LDRS 311.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs.

### **LDRS 331 - Leadership Communication**

Units: 3  
Develop the basis of effective verbal, nonverbal, written, and listening communication skills for interpersonal, group, organizational, persuasive, crisis, and cross-cultural communication. Team building skills will be emphasized.  
Division: Upper Division  
Requisites: Pre-requisite: LDRS 311.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs.

### **LDRS 341 - Strategic Planning and Forecasting**

Units: 3  
Develop the essential elements of a strategic plan for the organization identified in PLP. How to finance projects, conduct cost benefit analysis, develop a plan, set benchmarks and analyze forecasts.  
Division: Upper Division  
Requisites: Pre-requisite: LDRS 311.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs.

### **LDRS 351 - Project Implementation/Evaluation**

Units: 3  
Implement and execute a complex project. Evaluate desirability by cost-benefit analysis, analyze sources of funding, implement and evaluate the project based on financial, accounting, sustainability and administrative data.  
Division: Upper Division  
Requisites: Pre-requisite: LDRS 341.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs.

### **LDRS 411 - Managing Employees/Stakeholders**

Units: 3  
Analyze different methods of employee recruitment, retention, training, and empowerment. Legal pitfalls, employment law, and expanding stakeholder interests. Develop strategic knowledge of staffing, compensation, workforce design, assessment and legal issues.  
Division: Upper Division  
Requisites: Pre-requisite: LDRS 311.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs.

### **LDRS 421 - Strategic Sustainability**

Units: 3  
Develops the concept of strategic sustainability to implement the triple bottom line of economic viability, environmental conservation and social responsibility to transform an organization. Examination of various sustainability frameworks.  
Division: Upper Division  
Requisites: Pre-requisite: LDRS 311.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Focused  
Weekly: Lecture 3 hrs.

### **LDRS 431 - Technology and Leadership**

Units: 3  
Develop an understanding of the strategic role of information systems to include hardware, software, personnel, databases, impact on organization, networking, the Internet, information security, the law and the future.  
Division: Upper Division  
Requisites: Pre-requisite: LDRS 311.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs.

### **LDRS 441 - Developing Dynamic Organizations**

Units: 3  
Fundamentals of developing a flexible organization that creates a proactive learning environment. Motivating employees and creating new leadership opportunities. Organizational behavior and organizational psychology framework for transforming an organization.  
Division: Upper Division  
Requisites: Pre-requisite: LDRS 311; Interdisciplinary Studies: Leadership Studies Major  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs.

### **LDRS 451 - Capstone in Leadership**

Units: 3  
Devoted to completing the leadership project of transforming an organization. A retrospective integrative course that requires students to synthesize relevant concepts and experiences to formulate an effective Personal Leadership Plan.  
Division: Upper Division  
Requisites: Pre-requisite: LDRS 321, LDRS 331, LDRS 351, LDRS 411, LDRS 421, LDRS 431, and LDRS 441.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs.

### **LDRS 480 - Selected Topics in Leadership**

Units: 0.5-4  
Contemporary topics in leadership  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture hrs TBD

## **Liberal Studies / Elementary Education**

### **LSEE 101 - Foundations of Education**

Units: 4  
Introduction to teaching including educational foundations, classroom observations, the role of education in democratic societies, and the exploration of the knowledge, skills and dispositions needed to become an effective educator.  
Division: Lower Division  
Permission to enroll: No Special Consent Required  
Grading mode: Mandatory Letter Grade  
General Education: GE E: Lifelong Learning  
Weekly: Lecture 3 hrs. Activity 2 hrs.

### **LSEE 211 - Developmental Literacy**

Units: 4  
Analysis of developmental theories and approaches to emergent literacy, children's literature, assessment, lesson design and intervention strategies that include fieldwork activities in elementary classrooms.  
Division: Lower Division  
Requisites: Pre-requisite: LSEE 101. LSEE majors only.



Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs. Activity 2 hrs.

### **LSEE 212 - Language and Literacy**

Units: 4  
Foundational language and literacy skills are studies including linguistics and language conventions. Students observe and apply course content with elementary school students to expand their pedagogical content knowledge and skill.  
Division: Lower Division  
Requisites: Pre-requisite: LSEE 211.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs. Activity 2 hrs.

### **LSEE 308 - Algebra, Geometry, and Data in the Elementary Classroom**

Units: 3  
Solid foundation for elementary school teaching focusing on the complementary development of symbol sense (algebra), spatial (geometry) and data sense (probability and statistics).  
Division: Upper Division  
Requisites: Pre-requisite: LSEE majors only.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE UD Area B: Math & Science  
Weekly: Lecture 3 hrs.

### **LSEE 311 - Mathematics Fieldwork Observation and Seminar**

Units: 1.5  
K-8 classroom observation of mathematics instruction. Includes a review of the California Mathematics content standards and discussion of teaching strategies used in the K-8 classroom.  
Division: Upper Division  
Requisites: Pre-requisite: MATH 308B (C).  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 1 hr. Activity 1 hr.

### **LSEE 313 - Science for Elementary Education**

Units: 3  
Survey content course of the four domains of science taught to K-8 public school students with fieldwork in elementary school classrooms. Topics in life, physical, earth and space science as well as engineering and design.  
Division: Upper Division  
Requisites: Pre-requisite: LSEE 308. LSEE majors only.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs.

### **LSEE 314 - Science for Elementary Education Field Practicum**

Units: 1  
Fieldwork during the junior year of LSEE includes tutoring and small group instruction while attending to children's socioeconomic and cultural backgrounds. Fieldwork is aligned with specific course goals and objectives of LSEE 313 and the needs of the participating elementary or middle school.  
Division: Upper Division  
Requisites: Pre-requisite: junior or higher standing. Must be Liberal Studies Elementary Education or Liberal Studies Child Development Elementary Education major.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Activity 2 hrs.

### **LSEE 315 - Social Studies for Elementary Education**

Units: 4  
Comprehensive theoretical and practical understanding of the social studies content for diverse K-8 learners including World, US and California History including aligned geography and economics content.  
Division: Upper Division  
Requisites: Pre-requisite: LSEE 212. LSEE majors only.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs. Activity 2 hrs.

### **LSEE 316 - Language Arts for Elementary Education**

Units: 4  
Development of content knowledge in the major descriptions of literacy needed to become effective teachers in the area of language arts.  
Division: Upper Division  
Requisites: Pre-requisite: LSEE 212. LSEE majors only.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs. Activity 2 hrs.

### **LSEE 317 - Number Sense and Operations in Elementary School Math**

Units: 3  
Improve facility with, appreciation of, and understanding of mathematics to build a solid foundation for elementary school teaching with a focus on number sense.  
Division: Upper Division  
Requisites: Pre-requisite: LSEE majors only.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs.

### **LSEE 318 - Number Sense and Operations in Elementary School Math Practicum**

Units: 1  
Fieldwork during the junior year of LSEE includes tutoring and small group instruction while attending to children's socioeconomic and cultural backgrounds. Fieldwork is aligned with specific course goals and objectives of LSEE 317 and the needs of the participating elementary or middle school.  
Division: Upper Division  
Requisites: Pre-requisite: junior or senior standing. Must be Liberal Studies Elementary Education or Liberal Studies Child Development Elementary Education major.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Activity 2 hrs.

### **LSEE 319 - Algebra, Geometry and Data in the Elementary Classroom Practicum**

Units: 1  
Fieldwork during the junior year of LSEE includes tutoring and small group instruction while attending to children's socioeconomic and cultural backgrounds. Fieldwork is aligned with specific course goals and objectives of LSEE 308 and the needs of the participating elementary or middle school.  
Division: Upper Division  
Requisites: Pre-requisite: junior or senior standing. Must be Liberal Studies Elementary Education or Liberal Studies Child Development Elementary Education major  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Activity 2 hrs.

### **LSEE 333 - English Language and Bilingual Development**

Units: 4  
Develop content knowledge regarding the foundations of language acquisition and English language/Bilingual programs. Students develop effective teaching strategies to meet the academic needs of linguistically

and culturally diverse students.

Division: Upper Division

Requisites: Pre-requisite: LSEE 212. LSEE majors only.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 3 hrs. Activity 2 hrs.

### **LSEE 377 - Education of Exceptional Individuals**

Units: 4

Introduction to core concepts, specific terms, and definitions related to special populations in education. Specific educational support needs and effective techniques of instruction will be presented.

Division: Upper Division

Requisites: Pre-requisite: LSEE 212. LSEE majors only.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 3 hrs. Activity 2 hrs.

### **LSEE 411 - Language Arts Fieldwork and Seminar**

Units: 2

The course included K-8 observation of reading instruction, review of Language Arts standards, and discussion of teaching strategies used by K-8 teachers.

Division: Upper Division

Requisites: Pre-requisite: ENGL 323 (C), ENGL 326 (C), and ENGL 424 (C).

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 1.5 hrs. Laboratory 1.5 hrs.

### **LSEE 412 - Senior Capstone**

Units: 1

Discussions of current topics in education leading to pursuit of individual interest. Culminating activity is a public presentation of research findings and implications for the elementary classroom.

Division: Upper Division

Requisites: Pre-requisite: LSEE 411 (C).

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 1 hr.

### **LSEE 421 - Critical Multicultural Education**

Units: 4

Investigate issues such as opportunity gap, parental involvement and school funding to recognize and understand the social, cultural, economic, and historical factors affecting teaching and learning. Critical reflection is facilitated through an examination of multicultural children's literature.

Division: Upper Division

Requisites: Pre-requisite: LSEE majors only.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 2 hrs. Tutorial hrs TBD

### **LSEE 443 - Action Research I**

Units: 4

examines central tenets, methods and procedures of action research while engaged in community/school-based projects with youth and developing an action research proposal with a focus on social justice/multiculturalism.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 3 hrs. Activity 2 hrs.

### **LSEE 453 - Senior Seminar I**

Units: 3

Synthesize the knowledge, skills, and interests developed through their education and, in concert with participation in community youth

organizations, develop focus areas from which to develop action research projects.

Division: Upper Division

Requisites: Pre-requisite: LSEE 377. LSEE majors only.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 2 hrs. Activity 2 hrs.

### **LSEE 454 - Senior Seminar II**

Units: 3

Synthesize knowledge, skills, and interests developed through education and design a portfolio highlighting learning, continued community participation with youth, action research and growth as a professional.

Division: Upper Division

Requisites: Pre-requisite: LSEE 453. LSEE majors only. Co-requisite: LSEE 443.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 2 hrs. Activity 2 hrs.

### **LSEE 475 - Health and Physical Education**

Units: 3

Develop knowledge and skills to teach and evaluate health/physical education programs for elementary classrooms through observation and participation in classroom activities.

Division: Upper Division

Requisites: Pre-requisite: junior or senior standing. Must be Liberal Studies Elementary Education or Liberal Studies Child Development Elementary Education major.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 3 hrs.

### **LSEE 499 - Directed Study**

Units: 1-3

Individual Study; staff direction.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Supervision hrs TBD

### **LSEE 713 - Integrated Elementary Science and Math I**

Units: 3

Content knowledge from math and science is reviewed and analyzed while exploring pedagogies to teach an integrated curriculum. Methods and strategies to teach integrated lessons are investigated.

Division: Credential/Licensure

Requisites: Pre-requisite: junior or higher standing, and LSEE 308, LSEE 313, LSEE 317, LSEE 318 and LSEE 319. Must be Liberal Studies Elementary Education ITEP major.

Permission to enroll: No Special Consent Required

Grading mode: Mandatory Letter Grade

Weekly: Lecture 3 hrs.

### **LSEE 714 - Integrated Elementary Science and Math II**

Units: 2

Content knowledge from Math and Science is reviewed and analyzed while exploring pedagogies to teach an integrated curriculum. Methods and strategies to teach integrated lessons are planned, and implemented. Lessons are enhanced by using technology.

Division: Credential/Licensure

Requisites: Pre-requisite: LSEE 713 and junior standing or above. Must be Liberal Studies Elementary Education ITEP major.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 2 hrs.

### **LSEE 715 - Integrated Art, Language Arts and Social Studies I**

Units: 3

Content knowledge from Art, Social Studies and Language Arts is reviewed and analyzed while exploring pedagogies to teach an integrated curriculum. Methods and strategies to teach integrated lessons are investigated.

Division: Credential/Licensure

Requisites: Pre-requisite: LSEE 315, LSEE 316 and senior standing. Must be Liberal Studies Elementary Education ITEP major.

Permission to enroll: No Special Consent Required

Grading mode: Mandatory Letter Grade

Weekly: Lecture 3 hrs.

### **LSEE 716 - Integrated Art, Language Arts, and Social Studies II**

Units: 2

Integration of Art/Language Arts/Social Studies through the demonstration of content knowledge and the development and implementation of integrated lesson plans for fieldwork placements in elementary classrooms.

Division: Credential/Licensure

Requisites: Pre-requisite: LSEE 715 and senior standing. Must be Liberal Studies Elementary Education ITEP major.

Permission to enroll: No Special Consent Required

Grading mode: Mandatory Letter Grade

Weekly: Lecture 2 hrs.

### **LSEE 723 - School, Student and Social Development**

Units: 3

Foundation of teaching and learning of the school age-child; understanding development, learning, theory, and practice; application of human development theories, approach to discipline, and classroom management.

Division: Credential/Licensure

Requisites: Pre-requisite: senior standing. Must be Liberal Studies Elementary Education ITEP major.

Permission to enroll: No Special Consent Required

Grading mode: Mandatory Letter Grade

Weekly: Lecture 3 hrs.

### **LSEE 753 - Senior/Credential Capstone I**

Units: 2

Growth and development of reflective educators and lifelong learners through the demonstration of student teaching and performance assessment competencies and self-reflection.

Division: Upper Division

Requisites: Pre-requisite: senior standing. Must be Liberal Studies Elementary Education ITEP major.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 2 hrs.

### **LSEE 754 - Senior/Credential Capstone II**

Units: 3

Growth and development of reflective educators and lifelong learners through the demonstration of student teaching and performance assessment competencies and self-reflection.

Division: Upper Division

Requisites: Pre-requisite: LSEE 753 and senior standing. Must be Liberal Studies Elementary Education ITEP major.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 3 hrs.

### **LSEE 755 - Clinical Practicum I**

Units: 3

Students in this course will be referred to as Candidates because they are now candidates for a credential. Candidates are required to complete student teaching fieldwork in a year-long placement in a local elementary school. Candidates are evaluated by a mentor teacher and a

university supervisor.

Division: Upper Division

Requisites: Pre-requisite: senior standing. Must be Liberal Studies Elementary Education ITEP major.

Permission to enroll: No Special Consent Required

Grading mode: Mandatory Credit/No Credit

Weekly: Supervision hrs TBD

### **LSEE 756 - Clinical Practicum II**

Units: 6

Second part of the Clinical Practicum. Students in this course will be referred to as Candidates because they are now candidates for a credential. Candidates are required to complete student teaching fieldwork in a year-long placement in a local elementary school. Candidates are evaluated by a mentor teacher and by a university supervisor.

Division: Upper Division

Requisites: Pre-requisite: senior standing. Must be Liberal Studies Elementary Education ITEP major.

Permission to enroll: No Special Consent Required

Grading mode: Mandatory Credit/No Credit

Weekly: Supervision hrs TBD

## **Linguistics**

### **LING 495 - Practicum in Language Studies**

Units: 3

Interdisciplinary approach. Relationship of language studies to other areas of intellectual achievement. Central topics vary.

Division: Upper Division

Requisites: Pre-requisite: senior standing and approval by linguistics committee.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Seminar 3 hrs.

## **Mathematics**

### **MATH 1 - Support for College Algebra**

Units: 1

Integrated support for development of quantitative reasoning in College Algebra (MATH 101I). No degree credit.

Division: Support

Requisites: Co-requisite: MATH 101I.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Activity 2 hrs. Tutorial hrs TBD

### **MATH 3 - Support for Mathematics as a Liberal Art**

Units: 1

Integrated support for development of quantitative reasoning Mathematics as a Liberal Art (MATH 103I). No degree credit.

Division: Support

Requisites: Co-requisite: MATH 103I.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Activity 2 hrs. Tutorial hrs TBD

### **MATH 4 - Support for Finite Mathematics**

Units: 1

Integrated support for development of quantitative reasoning in Finite Mathematics (MATH 104I). No degree credit.

Division: Support

Requisites: Co-requisite: MATH 104I.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis  
Weekly: Activity 2 hrs. Tutorial hrs TBD

### **MATH 99 - Supplementary Instruction in Mathematics**

Units: 2  
For students needing help in mathematics courses. Enroll concurrently in supported class.  
Division: Support  
Permission to enroll: No Special Consent Required  
Grading mode: Mandatory CR/NC  
Weekly: Lecture 2 hrs.

### **MATH 101 - College Algebra**

Units: 3  
Topics include algebraic equations and inequalities; polynomial, rational, algebraic, exponential, and logarithmic functions; compositions and inverses; geometric transformations and properties of functions; difference quotients.  
Division: Lower Division  
Requisites: Pre-requisite: Math placement category I, II or III or ALEKS PPL assessment score over 45 (recommended: 45-55).  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE B4: Mathematical Reasoning  
Weekly: Lecture 3 hrs.

### **MATH 101I - College Algebra with Integrated Support**

Units: 3  
Algebraic equations and inequalities; polynomial, rational, algebraic, exponential, and logarithmic functions; compositions and inverses; geometric transformations and properties of functions; difference quotients. Open to students in Math placement category III or IV.  
Division: Lower Division  
Requisites: Co-requisite: MATH 1.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE B4: Mathematical Reasoning  
Weekly: Lecture 3 hrs.

### **MATH 101T - Trigonometry**

Units: 3  
Trigonometric functions, their graphs, inverses and applications, radian measure, solving triangles, trigonometric identities and equations, laws of sines and cosines, polar coordinates, vectors.  
Division: Lower Division  
Requisites: Pre-requisite: MATH 101 or MATH 101I or ALEKS PPL assessment score over 65 (recommended: 66-77).  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE B4: Mathematical Reasoning  
Weekly: Lecture 3 hrs.

### **MATH 102 - Algebra and Elementary Functions**

Units: 4  
In-depth treatment of exponential, logarithmic, trigonometric, and polynomial functions. Recommended preparation: take three or more years of high school mathematics including Algebra II.  
Division: Lower Division  
Requisites: Pre-requisite: Math placement category I, II or III or ALEKS PPL assessment score over 55 (recommended score 56-77).  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE B4: Mathematical Reasoning  
Weekly: Lecture 3 hrs. Second Lecture 1 hr.

### **MATH 103 - Mathematics as a Liberal Art**

Units: 3  
Development of quantitative reasoning through ways mathematics uses quantitative, geometrical, algebraic, and statistical thinking in problem

solving.  
Division: Lower Division  
Requisites: Pre-requisite: Math placement category I, II or III or ALEKS PPL assessment score over 45.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE B4: Mathematical Reasoning  
Weekly: Lecture 2 hrs. Seminar 1 hr.

### **MATH 103I - Mathematics as a Liberal Art with Integrated Support**

Units: 3  
Integrated support for development of quantitative reasoning through ways mathematics uses quantitative, geometrical, algebraic and statistical thinking in problem solving. Open to students in Math placement category III or IV.  
Division: Lower Division  
Requisites: Co-requisite: MATH 3.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE B4: Mathematical Reasoning  
Weekly: Lecture 3 hrs.

### **MATH 104 - Finite Mathematics**

Units: 3  
Topics include linear models, systems of linear equations, linear programming with two variables, financial mathematics, sets, basic probability and an introduction to descriptive statistics.  
Division: Lower Division  
Requisites: Pre-requisite: Math placement category I, II or III or ALEKS PPL assessment score over 45.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE B4: Mathematical Reasoning  
Weekly: Lecture 2 hrs. Activity 2 hrs.

### **MATH 104I - Finite Mathematics with Integrated Support**

Units: 3  
Integrated support for development of quantitative reasoning through business-relevant topics including linear models, systems of linear equations, linear programming, financial mathematics, sets, basic probability and descriptive statistics. Open to students in Math placement category III or IV.  
Division: Lower Division  
Requisites: Co-requisite: MATH 4.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE B4: Mathematical Reasoning  
Weekly: Lecture 3 hrs.

### **MATH 105 - Calculus for the Biological Sciences and Natural Resources**

Units: 3  
Differential and integral calculus. Apply to biological sciences, including exponential growth and decay.  
Division: Lower Division  
Requisites: Pre-requisite: (MATH 101 and MATH 101T) or MATH 102 or ALEKS PPL assessment score 78-100.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE B4: Mathematical Reasoning  
Weekly: Lecture 3 hrs.

### **MATH 107 - Introduction to Linear Algebra**

Units: 3  
Euclidean spaces, matrices and matrix arithmetic, solving systems of equations, and eigenvalues and eigenvectors. Emphasis on applications and use of computation.  
Division: Lower Division

Requisites: Pre-requisites: MATH 101T or MATH 102 or ALEKS PPL assessment score 78-100.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE B4: Mathematical Reasoning  
Weekly: Lecture 3 hrs.

### **MATH 108 - Critical Thinking in Mathematics**

Units: 3  
Develop and apply critical thinking and problem-solving skills by exploring patterns and mathematical themes in school and society. Intended primarily for prospective preschool and elementary teachers.  
Division: Lower Division  
Requisites: Pre-requisite: Math placement category I or II, or ALEKS PPL assessment score over 45.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE B4: Mathematical Reasoning  
Weekly: Lecture 3 hrs.

### **MATH 109 - Calculus I**

Units: 4  
Limits, continuity, derivatives, integrals, and their applications.  
Division: Lower Division  
Requisites: Pre-requisite: MATH 101T or MATH 102 or ALEKS PPL assessment score 78-100.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE B4: Mathematical Reasoning  
Weekly: Lecture 4 hrs.

### **MATH 110 - Calculus II**

Units: 4  
Logarithmic and exponential functions, inverse trigonometric functions, techniques of integration, infinite sequences and series, conic sections, polar coordinates.  
Division: Lower Division  
Requisites: Pre-requisite: MATH 109 or completed Calculus I.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 4 hrs.

### **MATH 198 - Supplemental Instruction**

Units: 1  
Collaborative work for students enrolled in mathematics.  
Division: Lower Division  
Requisites: Co-requisite: MATH 102.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Mandatory CR/NC  
Weekly: Tutorial 2 hrs.

### **MATH 210 - Calculus III**

Units: 4  
Vectors; parametric equations; 3-dimensional analytic geometry; vector-valued functions; partial derivatives; multiple integrals; introduction to line integrals.  
Division: Lower Division  
Requisites: Pre-requisite: MATH 110.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 4 hrs.

### **MATH 215 - Multivariate Calculus for the Biological Sciences and Natural Resources**

Units: 3  
Differential equations, partial derivatives, double integrals, and curve fitting techniques; vectors; applications.  
Division: Lower Division

Requisites: Pre-requisite: MATH 105 or completed Calculus I, or IA.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs.

### **MATH 240 - Introduction to Mathematical Thought**

Units: 3  
Mathematical reasoning, writing, and proofs; sets, functions, topics in discrete mathematics, problem formulation, problem solving.  
Division: Lower Division  
Requisites: Pre-requisite: MATH 110.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs.

### **MATH 241 - Elements of Linear Algebra**

Units: 3  
Linear systems, matrices, determinants, linear independence, bases, eigenvalues, and eigenvectors.  
Division: Lower Division  
Requisites: Pre-requisite: MATH 210 (C) or MATH 215.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs.

### **MATH 245 - Mathematical Experimentation and Proof**

Units: 4  
Discovery through mathematical experimentation. Mathematical reasoning, writing, and proofs; sets, functions, topics in discrete mathematics, problem formulation, problem solving.  
Division: Lower Division  
Requisites: Pre-requisites: MATH 109  
Co-requisites: MATH 107 or MATH 110  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 4 hrs.

### **MATH 253 - Discrete Mathematics**

Units: 3  
Sets, functions, relations, algorithms, induction, recursion, combinatorics, graphs, trees, and propositional logic.  
Division: Lower Division  
Requisites: Pre-requisite: MATH 101T (C), or MATH 102 and CS 111.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs.

### **MATH 280 - Selected Topics in Mathematics**

Units: 0.5-3  
Division: Lower Division  
Repeats: Repeatable for Credit  
Permission to enroll: Instructor Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture hrs TBD

### **MATH 301 - Mathematics and Culture: Historical Perspective**

Units: 3  
Various cultures' influence on development of mathematics. "Pythagorean" theorem before/after Pythagoras; history of pi from biblical to modern times; primes and perfect numbers from Euclid to today; evolution of algebra from Omar Khayyam to Renaissance and beyond. Meets history requirement for math secondary education, but for math majors does not count toward 26 units of 300-level (or above) courses.  
Division: Upper Division  
Requisites: Pre-requisite: MATH 101T or MATH 102.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE UD Area B: Math & Science

All University Requirements: DCG: Non-Domestic  
Weekly: Lecture 3 hrs.

### **MATH 308B - Mathematics for Elementary Education**

Units: 3

Develop advanced perspective of concepts, structures, and algorithms of math constituting the core of K-8 math curriculum: the real number system; number theory; algebra and functions; geometry and measurement; probability and statistics; mathematical reasoning. Take in B-C order. Does not apply toward math major/minor.

Division: Upper Division

Requisites: Pre-requisite: completed lower division GE math or higher, and MATH 308B (MATH 308C). Prior IA required for majors other than LSCD, LSEE, or CDEE.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE UD Area B: Math & Science

Weekly: Lecture 2 hrs. Activity 2 hrs.

### **MATH 308C - Mathematics for Elementary Education**

Units: 3

Develop advanced perspective of concepts, structures, and algorithms of math constituting the core of K-8 math curriculum: the real number system; number theory; algebra and functions; geometry and measurement; probability and statistics; mathematical reasoning. Take in B-C order. Does not apply toward math major/minor.

Division: Upper Division

Requisites: Pre-requisite: completed lower division GE math or higher, and MATH 308B (for MATH 308C). Prior IA required for majors other than LSCD, LSEE, or CDEE.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE UD Area B: Math & Science

Weekly: Lecture 2 hrs. Activity 2 hrs.

### **MATH 311 - Vector Calculus**

Units: 2

Vector fields; line and surface integrals; Green's theorem, divergence theorem, Stokes' theorem; applications.

Division: Upper Division

Requisites: Pre-requisite: MATH 107 and MATH 210

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 2 hrs.

### **MATH 313 - Ordinary Differential Equations**

Units: 4

Systems and series solution methods; applications. Numerical and analytical techniques.

Division: Upper Division

Requisites: Pre-requisite: MATH 107 and MATH 210

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 4 hrs.

### **MATH 315 - Advanced Calculus**

Units: 3

Vector fields; line and surface integrals; Green's, Divergence, and Stokes' Theorems; Applications; Taylor polynomials in several variables; additional advanced topics.

Division: Upper Division

Requisites: Pre-requisite: MATH 107 and MATH 210.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 3 hrs.

### **MATH 344 - Linear Algebra**

Units: 4

Matrices, vector spaces, inner product spaces, linear transformations,

canonical forms, eigenvalues, matrix factorization, numerical methods, applications.

Division: Upper Division

Requisites: Pre-requisite: MATH 107 and MATH 245.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 4 hrs.

### **MATH 371 - Geometry**

Units: 3

Use historical and modern methods to construct geometric objects and prove theorems. View geometric transformations as functions; describe and analyze them through matrices and complex numbers. Study shapes and patterns in two and three dimensions, including important theorems about triangles. Applications. Additional advanced topics in geometry.

Division: Upper Division

Requisites: Pre-requisite: MATH 107 and MATH 245 or Instructor Approval

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 3 hrs.

### **MATH 381 - Tutorial on Mathematical Proofs**

Units: 1

Develop ability to present clear mathematical exposition and argument.

Concurrent enrollment in an upper division theoretical mathematics course.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Mandatory CR/NC

Weekly: Supervision hrs TBD

### **MATH 415 - Real Analysis**

Units: 4

Real numbers, sequences, convergence, supremum and infimum, continuity, uniform continuity, integration, differentiation, Taylor's Theorem.

Division: Upper Division

Requisites: Pre-requisite: MATH 344

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 4 hrs.

### **MATH 442 - Abstract Algebra**

Units: 4

An introduction to algebraic structures including groups, rings, fields, and polynomial rings. Provides a solid foundation in these topics and a foundation for further study. Provide prospective secondary teachers with a general context in which the primary notions of secondary education algebra are unified.

Division: Upper Division

Requisites: Pre-requisite: MATH 344 or Instructor Approval

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 4 hrs.

### **MATH 445 - Mathematics Capstone**

Units: 3

Student-led mathematics project culminating in a written and an oral presentation. Projects explore an area of pure or applied mathematics or mathematics education beyond the scope of the core Mathematics curriculum. Preparation for professional life after graduation, including graduate school attendance, teaching mathematics, or other quantitative careers.

Division: Upper Division

Requisites: Pre-requisites: senior standing, mathematics major or minor

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 1 hr. Laboratory 4 hrs.

**MATH 460 - Mathematical Modeling**

Units: 4

Modeling techniques. Examples from biological, environmental, and physical sciences: continuous, discrete, stochastic, and computer simulation models.

Division: Upper Division

Requisites: Pre-requisite: MATH 313 and (CS 111 or an approved course in computer programming).

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 3 hrs. Activity 2 hrs.

**MATH 480 - Selected Topics in Mathematics**

Units: 1-4

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: Instructor Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar hrs TBD

**MATH 481 - Workshop in Tutoring Mathematics**

Units: 1

Teaching techniques applicable to a tutorial setting. Primarily for students concurrently tutoring math. May count for credit only toward a major in mathematics (education).

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: Instructor Consent Required

Grading mode: Mandatory CR/NC

Weekly: Seminar 1 hr.

**MATH 485 - Seminar in Mathematics**

Units: 1-2

Current literature, research, problem solving.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: Instructor Consent Required

Grading mode: Mandatory CR/NC

Weekly: Seminar hrs TBD

**MATH 499 - Directed Study**

Units: 0.5-3

Directed reading and conferences on special topics.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Supervision hrs TBD

**MATH 580 - Selected Topics in Mathematics**

Units: 1-4

Division: Graduate

Repeats: Repeatable for Credit

Permission to enroll: Instructor Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar hrs TBD

**MATH 685 - Seminar in Mathematics**

Units: 1-2

Review and report on current literature and problems.

Division: Graduate

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar hrs TBD

**MATH 690 - Thesis/Project**

Units: 1-4

Guided investigation of a problem of mathematical significance,

culminating in a formal report in compliance with Cal Poly Humboldt standards.

Division: Graduate

Repeats: Repeatable for Credit

Permission to enroll: Instructor Consent Required

Grading mode: Optional Grade Basis

Weekly: Supervision hrs TBD

**MATH 695 - Directed Research**

Units: 1-2

Individual research on advanced problems.

Division: Graduate

Requisites: Pre-requisite: grad standing.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Supervision hrs TBD

**MATH 699 - Independent Study**

Units: 0.5-3

Directed reading and conferences on special topics.

Division: Graduate

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Supervision hrs TBD

**MATH 700 - In-Service Professional Development in Mathematics**

Units: 0.5-3

Directed studies for professionals in mathematics desiring advanced or specialized instruction, especially that leading to credentialing and certification.

Division: Credential/Licensure

Repeats: Repeatable for Credit

Permission to enroll: Instructor Consent Required

Grading mode: Mandatory CR/NC

Weekly: Supervision hrs TBD

**MATH 701 - In-Service Professional Development in Mathematics Education**

Units: 0.5-5

Division: Credential/Licensure

Repeats: Repeatable for Credit

Permission to enroll: Instructor Consent Required

Grading mode: Optional Grade Basis

Weekly: Activity hrs TBD

**Music**

Instrument Studies (class &amp; studio instruction): MUS 108, 109, 220-237 and MUS 420-428 Musical Ensembles: MUS 106-107 and 406-407

**MUS 103 - Listening to the Movies**

Units: 3

Movie classics will be viewed and discussed to acquire a comprehensive and practical understanding of the prevailing techniques employed in the art and craft of contemporary film scoring techniques.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE C1: Arts

Weekly: Lecture 3 hrs.

**MUS 104 - Introduction to Music**

Units: 3

Non-music majors learn styles, techniques, and forms of various musical periods. Lectures, recordings, concerts. Acquire greater understanding and enjoyment of music.

Division: Lower Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE C1: Arts  
Weekly: Lecture 3 hrs.

### **MUS 105 - The American Musical**

Units: 3  
Historical survey of musical theatre in US, emphasizing Broadway productions. Song and dialog presented through recordings and videos.  
Division: Lower Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE C1: Arts  
Weekly: Lecture 3 hrs.

### **MUS 106B - University Singers**

Units: 1  
Study/perform choral literature of many styles and periods. Occasional off-campus concerts.  
Division: Lower Division  
Repeats: Repeatable for Credit  
Permission to enroll: Instructor Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE C1: Arts  
Zero cost course materials: No Course Materials Required  
Weekly: Activity 3 hrs.

### **MUS 106E - Opera Workshop**

Units: 1  
Traditional and contemporary musical theatre repertoire: operetta, grand operas, chamber operas, and Broadway musicals. Prepare individual roles, ensembles, and scenes, culminating in public performance.  
Division: Lower Division  
Repeats: Repeatable for Credit  
Permission to enroll: Instructor Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE C1: Arts  
Zero cost course materials: No Course Materials Required  
Weekly: Activity 3 hrs.

### **MUS 106F - Mad River Transit Singers**

Units: 1  
Study/perform jazz-idiom choral music. Stylistic interpretation; available literature. Occasional off-campus concerts.  
Division: Lower Division  
Repeats: Repeatable for Credit  
Permission to enroll: Instructor Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE C1: Arts  
Zero cost course materials: No Course Materials Required  
Weekly: Activity 3 hrs.

### **MUS 106H - Wind Ensemble**

Units: 1  
Study/perform symphonic band and wind ensemble literature. Occasional off-campus concerts.  
Division: Lower Division  
Repeats: Repeatable for Credit  
Permission to enroll: Instructor Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE C1: Arts  
Zero cost course materials: No Course Materials Required  
Weekly: Activity 3 hrs.

### **MUS 106J - AM Jazz Band**

Units: 1  
Performance ensemble for novice jazz instrumentalists. Perform jazz literature; study jazz techniques.

Division: Lower Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE C1: Arts  
Zero cost course materials: No Course Materials Required  
Weekly: Activity 2 hrs.

### **MUS 106K - Jazz Orchestra**

Units: 1  
Perform literature composed or arranged for large jazz ensemble. Stylistic interpretation; ensemble playing; study of literature. Occasional off-campus concerts.  
Division: Lower Division  
Repeats: Repeatable for Credit  
Permission to enroll: Instructor Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE C1: Arts  
Zero cost course materials: No Course Materials Required  
Weekly: Activity 3 hrs.

### **MUS 106N - Humboldt Chorale**

Units: 1  
Study/perform choral music of all periods. Emphasis on larger works. No formal audition.  
Division: Lower Division  
Repeats: Repeatable for Credit  
Permission to enroll: Instructor Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE C1: Arts  
Zero cost course materials: No Course Materials Required  
Weekly: Activity 2 hrs.

### **MUS 106O - Humboldt Symphony**

Units: 1  
Study/perform orchestral literature. Occasional off-campus concerts.  
Division: Lower Division  
Repeats: Repeatable for Credit  
Permission to enroll: Instructor Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE C1: Arts  
Zero cost course materials: No Course Materials Required  
Weekly: Activity 3 hrs.

### **MUS 107B - Brass Chamber Music**

Units: 1  
Study/perform brass chamber music of all eras.  
Division: Lower Division  
Repeats: Repeatable for Credit  
Permission to enroll: Instructor Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE C1: Arts  
Weekly: Tutorial hrs TBD

### **MUS 107C - Calypso Band**

Units: 1  
Study/perform traditional and contemporary music for steelband.  
Division: Lower Division  
Repeats: Repeatable for Credit  
Permission to enroll: Instructor Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE C1: Arts  
Zero cost course materials: No Course Materials Required  
Weekly: Activity 2 hrs. Tutorial hrs TBD

### **MUS 107F - Woodwind Chamber Music**

Units: 1  
Study/perform woodwind chamber music of all eras.  
Division: Lower Division



Repeats: Repeatable for Credit  
Permission to enroll: Instructor Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE C1: Arts  
Zero cost course materials: No Course Materials Required  
Weekly: Tutorial hrs TBD

**MUS 107G - Guitar Chamber Music**

Units: 1  
Study/ perform guitar chamber music of all eras.  
Division: Lower Division  
Repeats: Repeatable for Credit  
Permission to enroll: Instructor Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE C1: Arts  
Zero cost course materials: No Course Materials Required  
Weekly: Tutorial hrs TBD

**MUS 107I - Intermediate Orchestra**

Units: 1  
Study/ perform orchestral music for less experienced players.  
Division: Lower Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE C1: Arts  
Zero cost course materials: No Course Materials Required  
Weekly: Activity 2 hrs.

**MUS 107J - Jazz Combos**

Units: 1  
Study/perform jazz combo music from all eras.  
Division: Lower Division  
Repeats: Repeatable for Credit  
Permission to enroll: Instructor Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE C1: Arts  
Zero cost course materials: No Course Materials Required  
Weekly: Tutorial hrs TBD

**MUS 107P - Percussion Ensemble**

Units: 1  
Study/ perform traditional and contemporary music for percussion ensemble.  
Division: Lower Division  
Repeats: Repeatable for Credit  
Permission to enroll: Instructor Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE C1: Arts  
Zero cost course materials: No Course Materials Required  
Weekly: Activity 2 hrs. Tutorial hrs TBD

**MUS 107Q - World Percussion Ensemble**

Units: 1  
Study/perform music for percussion ensembles from around the world.  
Division: Lower Division  
Repeats: Repeatable for Credit  
Permission to enroll: Instructor Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE C1: Arts  
Zero cost course materials: No Course Materials Required  
Weekly: Activity 2 hrs.

**MUS 107S - Chamber Music - Service Learning**

Units: 1  
Study/perform chamber music from all eras. Perform for community partners, and assess and reflect on the experience. Recommended preparation: fall semester enrollment in a Chamber Music course.  
Division: Lower Division  
Repeats: Repeatable for Credit

Permission to enroll: Instructor Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE C1: Arts  
Zero cost course materials: No Course Materials Required  
Service learning course: Yes  
Weekly: Tutorial hrs TBD

**MUS 107T - String Chamber Music**

Units: 1  
Study/ perform string chamber music from all eras.  
Division: Lower Division  
Repeats: Repeatable for Credit  
Permission to enroll: Instructor Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE C1: Arts  
Zero cost course materials: No Course Materials Required  
Weekly: Tutorial hrs TBD

**MUS 107V - Madrigal Singers**

Units: 1  
Study/perform small ensemble vocal music with emphasis on music of the Renaissance.  
Division: Lower Division  
Repeats: Repeatable for Credit  
Permission to enroll: Instructor Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE C1: Arts  
Zero cost course materials: No Course Materials Required  
Weekly: Activity 2 hrs.

**MUS 108B - Class Applied Instruction: Brass**

Units: 1  
Class instruction on brass instruments. No previous experience required.  
Division: Lower Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE C1: Arts  
Weekly: Activity 2 hrs.

**MUS 108C - Class Applied Instruction: Afro- Cuban Percussion**

Units: 1  
Class instruction on Afro-Cuban percussion instruments. No previous experience required.  
Division: Lower Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE C1: Arts  
Weekly: Activity 2 hrs.

**MUS 108F - Class Applied Instruction: Woodwinds**

Units: 1  
Class instruction on woodwind instruments. No previous experience required.  
Division: Lower Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE C1: Arts  
Weekly: Activity 2 hrs.

**MUS 108G - Class Applied Instruction: Acoustic Guitar**

Units: 1  
Class instruction on acoustic guitar. No previous experience required. Students must provide their own instruments.  
Division: Lower Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis  
General Education: GE C1: Arts  
Weekly: Activity 2 hrs.

**MUS 108K - Class Applied Instruction: Piano**

Units: 1  
Class instruction on the piano. No previous experience required.  
Division: Lower Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE C1: Arts  
Weekly: Activity 2 hrs.

**MUS 108P - Class Applied Instruction: Percussion**

Units: 1  
Class instruction on percussion instruments. No previous experience required.  
Division: Lower Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE C1: Arts  
Weekly: Activity 2 hrs.

**MUS 108T - Class Applied Instruction: Strings**

Units: 1  
Class instruction on string instruments. No previous experience required.  
Division: Lower Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE C1: Arts  
Weekly: Activity 2 hrs.

**MUS 108V - Class Applied Instruction: Voice**

Units: 1  
Class instruction on woodwind instruments. No previous experience required.  
Division: Lower Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE C1: Arts  
Weekly: Activity 2 hrs.

**MUS 109G - Class Applied Instruction: Guitar**

Units: 1  
Continued instruction in acoustic guitar. Students must provide their own instruments.  
Division: Lower Division  
Requisites: Pre-requisite: MUS 108G  
Repeats: Repeatable for Credit  
Permission to enroll: Instructor Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE C1: Arts  
Weekly: Activity 2 hrs.

**MUS 109K - Class Applied Instruction: Piano**

Units: 1  
Continued instruction in piano.  
Division: Lower Division  
Requisites: Pre-requisite: MUS 108K  
Permission to enroll: Instructor Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE C1: Arts  
Weekly: Activity 2 hrs.

**MUS 109V - Class Applied Instruction: Voice**

Units: 1  
Continued instruction in voice.  
Division: Lower Division  
Requisites: Pre-requisite: MUS 108V  
Repeats: Repeatable for Credit  
Permission to enroll: Instructor Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE C1: Arts  
Weekly: Activity 2 hrs.

**MUS 110 - Fundamentals of Music**

Units: 3  
Keys, scales, intervals, rhythm, meter, triads, and seventh chords. Open to music majors; Instructor Approval required for non-majors.  
Division: Lower Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs.

**MUS 112 - Piano I**

Units: 1  
Beginning class piano studies for music majors.  
Division: Lower Division  
Requisites: Pre-requisite: MUS 110 (C). Open to music majors only.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Activity 2 hrs.

**MUS 113 - Piano II**

Units: 1  
The second semester of class piano studies for music majors.  
Division: Lower Division  
Requisites: Pre-requisite: MUS 112.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Activity 2 hrs.

**MUS 130 - Piano III**

Units: 1  
Class instruction for non-piano emphasis music majors and minors.  
Division: Lower Division  
Requisites: Pre-requisite: MUS 112 and MUS 113, or IA. Co-requisite: MUS 215.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Activity 2 hrs.

**MUS 180 - Special Topics Seminar**

Units: 1-3  
Topics relevant to performance practices, periods, or genre of music history and literature.  
Division: Lower Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Mandatory Credit/No Credit  
Weekly: Activity hrs TBD

**MUS 204 - Music in the K-8 Classroom**

Units: 3  
Prepares pre-service teachers for effective delivery of general music lessons in the elementary self-contained classroom. Designed primarily for LSEE majors; music majors should take MUS 319 instead.  
Division: Lower Division  
Permission to enroll: No Special Consent Required  
Grading mode: Mandatory Letter Grade  
General Education: GE C1: Arts  
Weekly: Lecture 3 hrs.

**MUS 214 - Theory I**

Units: 3

Diatonic melodic and harmonic practices involving analysis and 4-part writing. Species counterpoint, modes, triads, 7th chords, figured bass, nonharmonic tones, chord progressions, cadences.

Division: Lower Division

Requisites: Pre-requisite: MUS 110 or passing score on placement test.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 3 hrs.

### **MUS 215 - Theory II**

Units: 3

Continues MUS 214: pre-dominant 7th chords, sequences, secondary chords, modulation, binary and ternary forms.

Division: Lower Division

Requisites: Pre-requisite: MUS 214 or IA.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 3 hrs.

### **MUS 216 - Ear Training I**

Units: 1

Comprehensive ear training correlated to MUS 214; develop music reading and perception skills through studies in rhythm, sight singing, dictation, keyboard, and notation.

Division: Lower Division

Requisites: Co-requisite: MUS 214 or IA.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Activity 2 hrs.

### **MUS 217 - Ear Training II**

Units: 1

Continues MUS 216.

Division: Lower Division

Requisites: Pre-requisite: MUS 214 and MUS 216. Co-requisite: MUS 215 or IA.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Activity 2 hrs.

### **MUS 220 - Studio Instruction**

Units: 1

Individual instruction.

Division: Lower Division

Requisites: Co-requisite: MUS 106 or MUS 107 or MUS 353 or MUS 406 or MUS 407.

Repeats: Repeatable for Credit

Permission to enroll: Instructor Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Supervision hrs TBD

### **MUS 221 - Studio Voice**

Units: 1

Individual instruction.

Division: Lower Division

Requisites: Co-requisite: MUS 106 or MUS 107 or MUS 353 or MUS 406 or MUS 407.

Repeats: Repeatable for Credit

Permission to enroll: Instructor Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Supervision hrs TBD

### **MUS 222 - Studio Flute**

Units: 1

Individual instruction.

Division: Lower Division

Requisites: Co-requisite: MUS 106 or MUS 107 or MUS 353 or MUS 406 or MUS 407.

Repeats: Repeatable for Credit

Permission to enroll: Instructor Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Supervision hrs TBD

### **MUS 223 - Studio Oboe**

Units: 1

Individual instruction.

Division: Lower Division

Requisites: Co-requisite: MUS 106 or MUS 107 or MUS 353 or MUS 406 or MUS 407.

Repeats: Repeatable for Credit

Permission to enroll: Instructor Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Supervision hrs TBD

### **MUS 224 - Studio Clarinet**

Units: 1

Individual instruction.

Division: Lower Division

Requisites: Co-requisite: MUS 106 or MUS 107 or MUS 353 or MUS 406 or MUS 407.

Repeats: Repeatable for Credit

Permission to enroll: Instructor Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Supervision hrs TBD

### **MUS 225 - Studio Bassoon**

Units: 1

Individual instruction.

Division: Lower Division

Requisites: Co-requisite: MUS 106 or MUS 107 or MUS 353 or MUS 406 or MUS 407.

Repeats: Repeatable for Credit

Permission to enroll: Instructor Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Supervision hrs TBD

### **MUS 226 - Studio Saxophone**

Units: 1

Individual instruction.

Division: Lower Division

Requisites: Co-requisite: MUS 106 or MUS 107 or MUS 353 or MUS 406 or MUS 407.

Repeats: Repeatable for Credit

Permission to enroll: Instructor Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Supervision hrs TBD

### **MUS 227 - Studio Trumpet**

Units: 1

Individual instruction.

Division: Lower Division

Requisites: Co-requisite: MUS 106 or MUS 107 or MUS 353 or MUS 406 or MUS 407.

Repeats: Repeatable for Credit

Permission to enroll: Instructor Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Supervision hrs TBD

### **MUS 228 - Studio Horn**

Units: 1  
Individual instruction.  
Division: Lower Division  
Requisites: Co-requisite: MUS 106 or MUS 107 or MUS 353 or MUS 406 or MUS 407.  
Repeats: Repeatable for Credit  
Permission to enroll: Instructor Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Supervision hrs TBD

**MUS 229 - Studio Trombone**

Units: 1  
Individual instruction.  
Division: Lower Division  
Requisites: Co-requisite: MUS 106 or MUS 107 or MUS 353 or MUS 406 or MUS 407.  
Repeats: Repeatable for Credit  
Permission to enroll: Instructor Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Supervision hrs TBD

**MUS 230 - Studio Euphonium**

Units: 1  
Individual instruction.  
Division: Lower Division  
Requisites: Co-requisite: MUS 106 or MUS 107 or MUS 353 or MUS 406 or MUS 407.  
Repeats: Repeatable for Credit  
Permission to enroll: Instructor Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Supervision hrs TBD

**MUS 231 - Studio Tuba**

Units: 1  
Individual instruction.  
Division: Lower Division  
Requisites: Co-requisite: MUS 106 or MUS 107 or MUS 353 or MUS 406 or MUS 407.  
Repeats: Repeatable for Credit  
Permission to enroll: Instructor Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Supervision hrs TBD

**MUS 232 - Studio Percussion**

Units: 1  
Individual instruction.  
Division: Lower Division  
Requisites: Co-requisite: MUS 106 or MUS 107 or MUS 353 or MUS 406 or MUS 407.  
Repeats: Repeatable for Credit  
Permission to enroll: Instructor Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Supervision hrs TBD

**MUS 233 - Studio Violin**

Units: 1  
Individual instruction.  
Division: Lower Division  
Requisites: Co-requisite: MUS 106 or MUS 107 or MUS 353 or MUS 406 or MUS 407.  
Repeats: Repeatable for Credit  
Permission to enroll: Instructor Consent Required  
Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required  
Weekly: Supervision hrs TBD

**MUS 234 - Studio Viola**

Units: 1  
Individual instruction.  
Division: Lower Division  
Requisites: Co-requisite: MUS 106 or MUS 107 or MUS 353 or MUS 406 or MUS 407.  
Repeats: Repeatable for Credit  
Permission to enroll: Instructor Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Supervision hrs TBD

**MUS 235 - Studio Cello**

Units: 1  
Individual instruction.  
Division: Lower Division  
Requisites: Co-requisite: MUS 106 or MUS 107 or MUS 353 or MUS 406 or MUS 407.  
Repeats: Repeatable for Credit  
Permission to enroll: Instructor Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Supervision hrs TBD

**MUS 236 - Studio String Bass**

Units: 1  
Individual instruction.  
Division: Lower Division  
Requisites: Co-requisite: MUS 106 or MUS 107 or MUS 353 or MUS 406 or MUS 407.  
Repeats: Repeatable for Credit  
Permission to enroll: Instructor Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Supervision hrs TBD

**MUS 237 - Studio Guitar**

Units: 1  
Individual instruction. Guitar students must provide own instrument.  
Division: Lower Division  
Requisites: Co-requisite: MUS 106 or MUS 107 or MUS 353 or MUS 406 or MUS 407.  
Repeats: Repeatable for Credit  
Permission to enroll: Instructor Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Supervision hrs TBD

**MUS 238 - Studio Composition**

Units: 1  
Individual instruction in composition.  
Division: Lower Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Supervision hrs TBD

**MUS 280 - Special Topics**

Units: 1-3  
Special topics such as career preparation, technology, performance practices, music history, or music theory.  
Division: Lower Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis

Weekly: Seminar hrs TBD

### **MUS 301 - Rock: An American Music**

Units: 3

Major artists and movements of rock music studied in social, historical, and musical contexts. Pioneers of the 50s through today's rebellion, experimentation, and new trends.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE UD Area C: Art & Humanities

All University Requirements: DCG: Domestic

Weekly: Lecture 3 hrs.

### **MUS 302 - Music in World Culture**

Units: 3

Explores the musical traditions of African, Indian, Asian, Indonesian, Latin American, and Caribbean cultures compared in artistic, social, religious, and political contexts.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE UD Area C: Art & Humanities

All University Requirements: DCG: Non-Domestic

Zero cost course materials: No Course Materials Required

Weekly: Lecture 3 hrs.

### **MUS 305 - Jazz: An American Art Form**

Units: 3

Uniquely American art form of jazz. African- American jazz innovators. Perspectives of history, society, performance, gender, and current trends. Lecture, listening, discussion.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE UD Area C: Art & Humanities

Weekly: Lecture 3 hrs.

### **MUS 314 - Theory III**

Units: 3

Neapolitan, augmented 6th, and mixed chords; enharmonic modulation; fugue, rondo, variation techniques; sonata form.

Division: Upper Division

Requisites: Pre-requisite: MUS 215 or IA.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 3 hrs.

### **MUS 315 - Theory IV**

Units: 3

20th century techniques: tone rows, set theory, quartal harmony, polytonality, pandiatonicism, chance operations, modal writing, polymeters, and asymmetric meters.

Division: Upper Division

Requisites: Pre-requisite: MUS 314 or IA.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 3 hrs.

### **MUS 316 - Ear Training III**

Units: 1

Comprehensive ear training correlated to MUS 314. Develop music reading and perception skills through studies in rhythm (traditional, 20th century), sight singing (traditional, 20th century), dictation, and keyboard.

Division: Upper Division

Requisites: Pre-requisite: MUS 215 and MUS 217, or IA. Co-requisite: MUS 314.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Activity 2 hrs.

### **MUS 317 - Ear Training IV**

Units: 1

Continues MUS 316.

Division: Upper Division

Requisites: Pre-requisite: MUS 314 (C) and MUS 316 (C), or IA. Co-requisite: MUS 315.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Activity 2 hrs.

### **MUS 318 - Jazz Improvisation**

Units: 2

Train in contemporary art of jazz improvisation through use of scales, chords, and idiomatic musical devices.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 1 hr. Activity 2 hrs.

### **MUS 319 - Elementary Music Methods**

Units: 2

Materials and methods for teaching elementary general music in the self-contained K-8 classroom. Designed for preservice music specialists and not for preservice general classroom teachers.

Division: Upper Division

Requisites: Pre-requisite: MUS 314, admission to music credential track, IA.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 1 hr. Activity 2 hrs.

### **MUS 320 - Composition: Film Scoring**

Units: 3

Study and compose music for scenes of dramatic and narrative films.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 3 hrs.

### **MUS 320B - Composition: Jazz and Pop Arranging**

Units: 3

Arranging techniques. Emphasis on big band.

Division: Upper Division

Requisites: Pre-requisite: MUS 215.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 3 hrs.

### **MUS 320C - Composition: Electronic Music**

Units: 3

Use computer-driven devices to compose electronic and electro-acoustic music.

Division: Upper Division

Requisites: Pre-requisite: MUS 215.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 3 hrs.

### **MUS 323 - Jazz Pedagogy**

Units: 2

Major principles and concepts involving the teaching of jazz in K-12 classrooms. Emphasis placed on both theory and practice. Music

education majors develop skills and strategies for instruction of both instrumental and choral jazz groups.

Division: Upper Division

Requisites: Pre-requisite: MUS 214 or I.A.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 1 hr. Activity 2 hrs.

### **MUS 324 - Contemporary Composition Techniques**

Units: 2

General survey of contemporary composition. Individual projects; concert presentation.

Division: Upper Division

Requisites: Pre-requisite: MUS 214 and IA.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 2 hrs.

### **MUS 326 - Counterpoint**

Units: 2

Overview of Renaissance, common practice, and modern counterpoint.

Emphasis: baroque techniques.

Division: Upper Division

Requisites: Pre-requisite: MUS 314 (C) or IA.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 2 hrs.

### **MUS 330 - Piano IV**

Units: 1

Piano accompaniments developed from chord symbols, notated melodies, or choral and instrumental music. Chord voicing, chord analysis, stylistic appropriateness.

Division: Upper Division

Requisites: Pre-requisite: MUS 130 and IA. Co-requisite: MUS 314.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Activity 2 hrs.

### **MUS 334 - Fundamentals of Conducting**

Units: 2

Beat patterns, expressive gestures, score reading, musical ranges, rehearsal planning, correction of errors.

Division: Upper Division

Requisites: Pre-requisite: MUS 314 or IA.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 1 hr. Activity 2 hrs.

### **MUS 338 - Vocal and Instrumental Scoring**

Units: 3

Techniques of arranging music for vocal and instrumental performing groups (large and small). Score layout and legibility, part copying, transpositions, and ranges of instruments and voices.

Division: Upper Division

Requisites: Pre-requisite: MUS 215 (C).

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 3 hrs.

### **MUS 340 - Junior Recital**

Units: 0

Junior Recital for guitar and piano performance concentration majors.

To be taken during the semester that the recital is performed. Requires

permission of the Studio Instructor.

Division: Upper Division

Requisites: Co-requisite: MUS 420

Permission to enroll: No Special Consent Required

Grading mode: Mandatory CR/NC

Zero cost course materials: No Course Materials Required

Weekly: Tutorial hrs TBD

### **MUS 348 - Music History: Antiquity to 1750**

Units: 3

Analyze musical styles and composition technique in examples selected from medieval, Renaissance, and baroque music. For music majors and minors or by Instructor Approval.

Division: Upper Division

Requisites: Pre-requisite: MUS 104 and MUS 314 (C).

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 3 hrs.

### **MUS 349 - Music History: 1750 to Present**

Units: 3

Analyze musical style in selected examples of classical, romantic, and 20th century music. Written research projects.

Division: Upper Division

Requisites: Pre-requisite: MUS 315 (C) and MUS 348.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 3 hrs.

### **MUS 353 - Accompanying**

Units: 1

Keyboard accompanying for instrumental or vocal solos or groups.

Division: Upper Division

Requisites: Pre-requisite: MUS 220 (C).

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Activity 2 hrs.

### **MUS 356 - Lyric Diction**

Units: 2

Techniques and problems of singers' pronunciation in all major languages.

Division: Upper Division

Requisites: Pre-requisite: MUS 215 or IA.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 1 hr. Activity 2 hrs.

### **MUS 360 - Music Technology**

Units: 2

Computer technology and music applications. Keyboard controllers and music printing programs.

Division: Upper Division

Permission to enroll: Instructor Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 2 hrs.

### **MUS 361 - Music Technology: Recording and Playback**

Units: 2

Digital and analog recording techniques combined with digital sequencing, CD-ROM burning, use of digital synthesizers, and soft synthesizer design.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 2 hrs.

### **MUS 370F - Woodwind Techniques I**

Units: 0.5

Instruction in woodwind instrumental techniques and pedagogy.

Division: Upper Division

Requisites: Pre-requisite: music major or IA.

Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Activity 1 hr.

### **MUS 370T - String Techniques I**

Units: 0.5  
Instruction in string instrumental techniques and pedagogy.  
Division: Upper Division  
Requisites: Pre-requisite: music major or IA.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Activity 1 hr.

### **MUS 371F - Woodwind Techniques II**

Units: 0.5  
Instruction in woodwind instrumental techniques and pedagogy.  
Division: Upper Division  
Requisites: Pre-requisite: MUS 370F, music major or IA.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Activity 1 hr.

### **MUS 371T - String Techniques II**

Units: 0.5  
Instruction in string instrumental techniques and pedagogy.  
Division: Upper Division  
Requisites: Pre-requisite: MUS 370T, music major or IA.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Activity 1 hr.

### **MUS 372B - Brass Techniques I**

Units: 0.5  
Instruction in brass instrumental techniques and pedagogy.  
Division: Upper Division  
Requisites: Pre-requisite: music major or IA.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Activity 1 hr.

### **MUS 372P - Percussion Techniques I**

Units: 0.5  
Instruction in percussion instrumental techniques and pedagogy.  
Division: Upper Division  
Requisites: Pre-requisite: music major or IA.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Activity 1 hr.

### **MUS 373B - Brass Techniques II**

Units: 0.5  
Instruction in brass instrumental techniques and pedagogy.  
Division: Upper Division  
Requisites: Pre-requisite: MUS 372B, music major or IA.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Activity 1 hr.

### **MUS 373P - Percussion Techniques II**

Units: 0.5  
Instruction in percussion instrumental techniques and pedagogy.  
Division: Upper Division

Requisites: Pre-requisite: MUS 372P, music major or IA.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Activity 1 hr.

### **MUS 384 - Advanced Choral Conducting and Literature**

Units: 2  
Advanced conducting techniques and survey of choral literature for application to K-12 music teaching. Through lecture and physical activity, this course expands on basic conducting patterns and techniques introduced in MUS 334 to include mixed meter, irregular meter, senza misura, cuing, use of left hand, and baton technique. Literature appropriate for major choral ensemble types (concert choir, jazz choir, madrigals, etc.) will be studied.  
Division: Upper Division  
Requisites: Pre-requisite: MUS 334 and IA.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 1 hr. Activity 2 hrs.

### **MUS 385P - P / V Performance Seminar**

Units: 1  
Perform, listen to, and critique literature and performances.  
Division: Upper Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 1 hr.

### **MUS 387 - Advanced Instrumental Conducting and Literature**

Units: 2  
Advanced conducting techniques and survey of instrumental literature for application to K-12 music teaching. Through lecture and physical activity, this course expands on basic conducting patterns and techniques introduced in MUS 334 to include mixed meter, irregular meter, senza misura, cuing, use of left hand, and baton technique. Literature appropriate for major ensemble types will be studied.  
Division: Upper Division  
Requisites: Pre-requisite: MUS 334 and IA.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 1 hr. Activity 2 hrs.

### **MUS 391 - Piano Pedagogy**

Units: 1  
Methods/materials for teaching class and private piano.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Activity 2 hrs.

### **MUS 391L - Piano Pedagogy Lab**

Units: 1  
Lab-Practice for piano teachers and their students.  
Division: Upper Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Tutorial hrs TBD

### **MUS 392 - Vocal Pedagogy**

Units: 1  
Methods/materials for teaching class and private piano.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Activity 2 hrs.

**MUS 392L - Vocal Pedagogy Lab**

Units: 1

Lab-Practice for voice teachers and their students.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Tutorial hrs TBD

**MUS 406B - University Singers**

Units: 1

Cross-listed with: MUS 106B

Study/perform choral literature of many styles and periods. Occasional off-campus concerts.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: Instructor Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Activity 3 hrs.

**MUS 406E - Opera Workshop**

Units: 1

Cross-listed with: MUS 106E

Traditional and contemporary musical theatre repertoire: operetta, grand operas, chamber operas, and Broadway musicals. Prepare individual roles, ensembles, and scenes, culminating in public performance.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: Instructor Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Activity 3 hrs.

**MUS 406F - Mad River Transit Singers**

Units: 1

Cross-listed with: MUS 106F

Study/perform jazz-idiom choral music. Stylistic interpretation; available literature. Occasional off-campus concerts.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: Instructor Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Activity 3 hrs.

**MUS 406H - Wind Ensemble**

Units: 1

Cross-listed with: MUS 106H

Study/perform symphonic band and wind ensemble literature.

Occasional off-campus concerts.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: Instructor Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Activity 3 hrs.

**MUS 406J - AM Jazz Band**

Units: 1

Cross-listed with: MUS 106J

Performance ensemble for novice jazz instrumentalists. Perform jazz literature; study jazz techniques.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Activity 2 hrs.

**MUS 406K - Jazz Orchestra**

Units: 1

Cross-listed with: MUS 106K

Perform literature composed or arranged for large jazz ensemble.

Stylistic interpretation; ensemble playing; study of literature.

Occasional off-campus concerts.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: Instructor Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Activity 3 hrs.

**MUS 406N - Humboldt Chorale**

Units: 1

Cross-listed with: MUS 106N

Study/perform choral music of all periods. Emphasis on larger works.

No formal audition.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: Instructor Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Activity 2 hrs.

**MUS 406O - Humboldt Symphony**

Units: 1

Cross-listed with: MUS 106O

Study/perform orchestral literature. Occasional off-campus concerts.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: Instructor Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Activity 3 hrs.

**MUS 407B - Brass Chamber Music**

Units: 1

Cross-listed with: MUS 107B

Study/perform brass chamber music of all eras.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: Instructor Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Tutorial hrs TBD

**MUS 407C - Calypso Band**

Units: 1

Cross-listed with: MUS 107C

Study/perform traditional and contemporary music for steelband.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: Instructor Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Activity 2 hrs. Tutorial hrs TBD

**MUS 407F - Woodwind Chamber Music**

Units: 1

Cross-listed with: MUS 107F

Study/perform woodwind chamber music of all eras.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: Instructor Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Tutorial hrs TBD



**MUS 407G - Guitar Chamber Music**

Units: 1  
 Cross-listed with: MUS 107G  
 Study/ perform guitar chamber music of all eras.  
 Division: Upper Division  
 Repeats: Repeatable for Credit  
 Permission to enroll: Instructor Consent Required  
 Grading mode: Optional Grade Basis  
 Zero cost course materials: No Course Materials Required  
 Weekly: Tutorial hrs TBD

**MUS 407I - Intermediate Orchestra**

Units: 1  
 Cross-listed with: MUS 107I  
 Study/ perform orchestral music for less experienced players.  
 Division: Upper Division  
 Permission to enroll: No Special Consent Required  
 Grading mode: Optional Grade Basis  
 Zero cost course materials: No Course Materials Required  
 Weekly: Activity 2 hrs.

**MUS 407J - Jazz Combos**

Units: 1  
 Cross-listed with: MUS 107J  
 Study/perform jazz combo music from all eras.  
 Division: Upper Division  
 Repeats: Repeatable for Credit  
 Permission to enroll: Instructor Consent Required  
 Grading mode: Optional Grade Basis  
 Zero cost course materials: No Course Materials Required  
 Weekly: Tutorial hrs TBD

**MUS 407P - Percussion Ensemble**

Units: 1  
 Cross-listed with: MUS 107P  
 Study/ perform traditional and contemporary music for percussion ensemble.  
 Division: Upper Division  
 Repeats: Repeatable for Credit  
 Permission to enroll: Instructor Consent Required  
 Grading mode: Optional Grade Basis  
 Zero cost course materials: No Course Materials Required  
 Weekly: Activity 2 hrs. Tutorial hrs TBD

**MUS 407Q - World Percussion Ensemble**

Units: 1  
 Cross-listed with: MUS 107Q  
 Study/perform music for percussion ensembles from around the world.  
 Division: Upper Division  
 Repeats: Repeatable for Credit  
 Permission to enroll: Instructor Consent Required  
 Grading mode: Optional Grade Basis  
 Zero cost course materials: No Course Materials Required  
 Weekly: Activity 2 hrs.

**MUS 407S - Chamber Music - Service Learning**

Units: 1  
 Cross-listed with: MUS 107S  
 Study/perform chamber music from all eras. Perform for community partners, and assess and reflect on the experience. Recommended preparation: fall semester enrollment in a Chamber Music course.  
 Division: Upper Division  
 Repeats: Repeatable for Credit  
 Permission to enroll: Instructor Consent Required  
 Grading mode: Optional Grade Basis  
 Zero cost course materials: No Course Materials Required  
 Service learning course: Yes  
 Weekly: Tutorial hrs TBD

**MUS 407T - String Chamber Music**

Units: 1  
 Cross-listed with: MUS 107T  
 Study/ perform string chamber music from all eras.  
 Division: Upper Division  
 Repeats: Repeatable for Credit  
 Permission to enroll: Instructor Consent Required  
 Grading mode: Optional Grade Basis  
 Zero cost course materials: No Course Materials Required  
 Weekly: Tutorial hrs TBD

**MUS 407V - Madrigal Singers**

Units: 1  
 Cross-listed with: MUS 107V  
 Study/perform small ensemble vocal music with emphasis on music of the Renaissance.  
 Division: Upper Division  
 Repeats: Repeatable for Credit  
 Permission to enroll: Instructor Consent Required  
 Grading mode: Optional Grade Basis  
 Zero cost course materials: No Course Materials Required  
 Weekly: Activity 2 hrs.

**MUS 420 - Studio Piano for Performance and Music Education**

Units: 1  
 Individual instruction continuing comparable MUS 220-MUS 237 courses. Guitar students must provide own instrument.  
 Division: Upper Division  
 Requisites: Co-requisite: MUS 106 or MUS 107 or MUS 353 or MUS 406 or MUS 407.  
 Repeats: Repeatable for Credit  
 Permission to enroll: Instructor Consent Required  
 Grading mode: Optional Grade Basis  
 Zero cost course materials: No Course Materials Required  
 Weekly: Supervision hrs TBD

**MUS 421 - Studio Voice for Performance and Music Education**

Units: 1  
 Individual instruction continuing comparable MUS 220-MUS 237 courses. Guitar students must provide own instrument.  
 Division: Upper Division  
 Requisites: Co-requisite: MUS 106 or MUS 107 or MUS 353 or MUS 406 or MUS 407.  
 Repeats: Repeatable for Credit  
 Permission to enroll: Instructor Consent Required  
 Grading mode: Optional Grade Basis  
 Zero cost course materials: No Course Materials Required  
 Weekly: Supervision hrs TBD

**MUS 423 - Studio Oboe for Performance and Music Education**

Units: 1  
 Individual instruction continuing comparable MUS 220-MUS 237 courses. Guitar students must provide own instrument.  
 Division: Upper Division  
 Requisites: Co-requisite: MUS 106 or MUS 107 or MUS 353 or MUS 406 or MUS 407.  
 Repeats: Repeatable for Credit  
 Permission to enroll: Instructor Consent Required  
 Grading mode: Optional Grade Basis  
 Zero cost course materials: No Course Materials Required  
 Weekly: Supervision hrs TBD

**MUS 424 - Studio Clarinet for Performance and Music Education**

Units: 1  
 Individual instruction continuing comparable MUS 220-MUS 237 courses. Guitar students must provide own instrument.  
 Division: Upper Division  
 Requisites: Co-requisite: MUS 106 or MUS 107 or MUS 353 or MUS 406 or MUS 407.

Repeats: Repeatable for Credit  
Permission to enroll: Instructor Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Supervision hrs TBD

**MUS 425 - Studio Bassoon for Performance and Music Education**

Units: 1  
Individual instruction continuing comparable MUS 220-MUS 237 courses. Guitar students must provide own instrument.  
Division: Upper Division  
Requisites: Co-requisite: MUS 106 or MUS 107 or MUS 353 or MUS 406 or MUS 407.  
Repeats: Repeatable for Credit  
Permission to enroll: Instructor Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Supervision hrs TBD

**MUS 426 - Studio Saxophone for Performance and Music Education**

Units: 1  
Individual instruction continuing comparable MUS 220-MUS 237 courses. Guitar students must provide own instrument.  
Division: Upper Division  
Requisites: Co-requisite: MUS 106 or MUS 107 or MUS 353 or MUS 406 or MUS 407.  
Repeats: Repeatable for Credit  
Permission to enroll: Instructor Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Supervision hrs TBD

**MUS 427 - Studio Trumpet for Performance and Music Education**

Units: 1  
Individual instruction continuing comparable MUS 220-MUS 237 courses. Guitar students must provide own instrument.  
Division: Upper Division  
Requisites: Co-requisite: MUS 106 or MUS 107 or MUS 353 or MUS 406 or MUS 407.  
Repeats: Repeatable for Credit  
Permission to enroll: Instructor Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Supervision hrs TBD

**MUS 428 - Studio Horn for Performance and Music Education**

Units: 1  
Individual instruction continuing comparable MUS 220-MUS 237 courses. Guitar students must provide own instrument.  
Division: Upper Division  
Requisites: Co-requisite: MUS 106 or MUS 107 or MUS 353 or MUS 406 or MUS 407.  
Repeats: Repeatable for Credit  
Permission to enroll: Instructor Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Supervision hrs TBD

**MUS 429 - Studio Trombone for Performance and Music Education**

Units: 1  
Individual instruction continuing comparable MUS 220-MUS 237 courses. Guitar students must provide own instrument.  
Division: Upper Division  
Requisites: Co-requisite: MUS 106 or MUS 107 or MUS 353 or MUS 406 or MUS 407.  
Repeats: Repeatable for Credit  
Permission to enroll: Instructor Consent Required

Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Supervision hrs TBD

**MUS 430 - Studio Euphonium for Performance and Music Education**

Units: 1  
Individual instruction continuing comparable MUS 220-MUS 237 courses. Guitar students must provide own instrument.  
Division: Upper Division  
Requisites: Co-requisite: MUS 106 or MUS 107 or MUS 353 or MUS 406 or MUS 407.  
Repeats: Repeatable for Credit  
Permission to enroll: Instructor Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Supervision hrs TBD

**MUS 431 - Studio Tuba for Performance and Music Education**

Units: 1  
Individual instruction continuing comparable MUS 220-MUS 237 courses. Guitar students must provide own instrument.  
Division: Upper Division  
Requisites: Co-requisite: MUS 106 or MUS 107 or MUS 353 or MUS 406 or MUS 407.  
Repeats: Repeatable for Credit  
Permission to enroll: Instructor Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Supervision hrs TBD

**MUS 432 - Studio Percussion for Performance and Music Education**

Units: 1  
Individual instruction continuing comparable MUS 220-MUS 237 courses. Guitar students must provide own instrument.  
Division: Upper Division  
Requisites: Co-requisite: MUS 106 or MUS 107 or MUS 353 or MUS 406 or MUS 407.  
Repeats: Repeatable for Credit  
Permission to enroll: Instructor Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Supervision hrs TBD

**MUS 433 - Studio Violin for Performance and Music Education**

Units: 1  
Individual instruction continuing comparable MUS 220-MUS 237 courses. Guitar students must provide own instrument.  
Division: Upper Division  
Requisites: Co-requisite: MUS 106 or MUS 107 or MUS 353 or MUS 406 or MUS 407.  
Repeats: Repeatable for Credit  
Permission to enroll: Instructor Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Supervision hrs TBD

**MUS 434 - Studio Viola for Performance and Music Education**

Units: 1  
Individual instruction continuing comparable MUS 220-MUS 237 courses. Guitar students must provide own instrument.  
Division: Upper Division  
Requisites: Co-requisite: MUS 106 or MUS 107 or MUS 353 or MUS 406 or MUS 407.  
Repeats: Repeatable for Credit  
Permission to enroll: Instructor Consent Required  
Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required  
Weekly: Supervision hrs TBD

### **MUS 435 - Studio Cello for Performance and Music Education**

Units: 1  
Individual instruction continuing comparable MUS 220-MUS 237 courses. Guitar students must provide own instrument.  
Division: Upper Division  
Requisites: Co-requisite: MUS 106 or MUS 107 or MUS 353 or MUS 406 or MUS 407.  
Repeats: Repeatable for Credit  
Permission to enroll: Instructor Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Supervision hrs TBD

### **MUS 436 - Studio String Bass for Performance and Music Education**

Units: 1  
Individual instruction continuing comparable MUS 220-MUS 237 courses. Guitar students must provide own instrument.  
Division: Upper Division  
Requisites: Co-requisite: MUS 106 or MUS 107 or MUS 353 or MUS 406 or MUS 407.  
Repeats: Repeatable for Credit  
Permission to enroll: Instructor Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Supervision hrs TBD

### **MUS 437 - Studio Guitar for Performance and Music Education**

Units: 1  
Individual instruction continuing comparable MUS 220-MUS 237 courses. Guitar students must provide own instrument.  
Division: Upper Division  
Requisites: Co-requisite: MUS 106 or MUS 107 or MUS 353 or MUS 406 or MUS 407.  
Repeats: Repeatable for Credit  
Permission to enroll: Instructor Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Supervision hrs TBD

### **MUS 438 - Studio Composition, Advanced**

Units: 1  
Individual instruction. Techniques for composition, notation, score preparation, instrumentation.  
Division: Upper Division  
Repeats: Repeatable for Credit  
Permission to enroll: Instructor Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Supervision hrs TBD

### **MUS 440 - Senior Recital**

Units: 0  
Senior recital for performance concentration majors. To be taken during the semester that the recital is performed. Requires permission of the Studio Instructor.  
Division: Upper Division  
Requisites: Co-requisite: one of MUS 420  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Tutorial hrs TBD

### **MUS 453 - Career Skills for Musicians**

Units: 2  
Learn skills to seek and develop professional opportunities. Explore

entrepreneurial facets of various musical careers, including promotional and financial planning.

Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 2 hrs.

### **MUS 454 - Expanded Repertoire**

Units: 1  
Additional lesson credit for students who are doing at least double the amount of practice and performing as would be expected for students enrolled in 400-level studio lessons.  
Division: Upper Division  
Requisites: Co-requisite: Studio for Performance and Music Education MUS 420-MUS 438.  
Repeats: Repeatable for Credit  
Permission to enroll: Instructor Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Tutorial hrs TBD

### **MUS 455 - Secondary Music Methods**

Units: 3  
Music education philosophies, methodologies, history, reform movements, significant leaders. Explores the theoretical basis for teaching music in the secondary schools. Rehearsal strategies for K-12 ensembles, Scheduling issues and curriculum in music education. Connecting music with other disciplines.  
Division: Upper Division  
Requisites: Pre-requisite: MUS 319 and IA.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs.

### **MUS 480 - Special Topics**

Units: 1-3  
Special topics such as career preparation, technology, performance practices, music history, or music theory.  
Division: Upper Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar hrs TBD

### **MUS 485 - Undergraduate Seminar**

Units: 1-3  
Performance practices, periods, or genre of music history and literature not treated in depth in other offerings.  
Division: Upper Division  
Repeats: Repeatable for Credit  
Permission to enroll: Instructor Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar hrs TBD

### **MUS 499 - Directed Study**

Units: 1-3  
Methods of research; projects in music and music teaching.  
Division: Upper Division  
Repeats: Repeatable for Credit  
Permission to enroll: Instructor Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Supervision hrs TBD

## **Native American Studies**

### **NAS 104 - Introduction to Native American Studies**

Units: 3  
Origins and development of content/ method in Native American

studies. Contrast the field with adjoining and contributing disciplines (anthropology, history, sociology, and humanities).  
Division: Lower Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE D: Social Sciences, GE F: Ethnic Studies  
All University Requirements: DCG: Domestic  
Weekly: Lecture 3 hrs.

### **NAS 107 - Introduction to California Indian Peoples and Places**

Units: 3  
Introduction to California Indian tribes and place-based learning exploring contemporary political, social, environmental issues and representations through California Indian perspectives and knowledges. A place-based approach to anti-racist and anti-colonial movements through community-centered learning and a foundational overview of California Indian tribes. Topics can include but are not limited to: Tribal citizenship, Self-determination, Decolonization, Sovereignty, and Settler Colonialism.  
Division: Lower Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE F: Ethnic Studies  
Weekly: Lecture 3 hrs.

### **NAS 200 - Indigenous Peoples in U.S. History**

Units: 3  
How U.S. policies governing tribes are shaped by societal views of Indigenous Peoples. Analyze documents following history of federal Indian policy. Interactions among diverse Native, European, African, and Asian Americans. Meets requirement in U.S. history established by California legislature.  
Division: Lower Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
All University Requirements: Amer Inst: U.S. History ONLY, DCG: Domestic  
Sustainability: Sustainability Related  
Weekly: Lecture 3 hrs.

### **NAS 280 - Selected Topics in Native American Studies**

Units: 1-4  
Special topic, current issues in Indian country, or introductory field research.  
Division: Lower Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar hrs TBD

### **NAS 301 - Native American Literature**

Units: 3  
Contemporary. Topics vary from a broad introduction to focus on one of the following genres: poetry, prose, fiction, nonfiction, and native autobiography.  
Division: Upper Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE UD Area C: Art & Humanities  
All University Requirements: DCG: Domestic  
Weekly: Lecture 3 hrs.

### **NAS 302 - Oral Literature and Oral Tradition**

Units: 3  
Identify, interpret, and decipher native symbols depicted in tribal myths, legends, songs, art, oratory, poetry, prose.  
Division: Upper Division  
Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE UD Area C: Art & Humanities  
All University Requirements: DCG: Domestic  
Weekly: Lecture 3 hrs.

### **NAS 303 - Native American Psychology**

Units: 3  
Compare and critique selected philosophical constructs manifested within European and Native American values and experiences.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE F: Ethnic Studies  
Weekly: Lecture 3 hrs.

### **NAS 304 - Native Tribes of California**

Units: 3  
Traditional cultures of native peoples: archeology, material culture, social organization, historical interrelationships.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE F: Ethnic Studies  
Weekly: Lecture 3 hrs.

### **NAS 306 - Indigenous Peoples of the Americas**

Units: 3  
Traditional cultures, historical development, and contemporary social and political situations.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE UD Area D: Social Sciences  
All University Requirements: DCG: Domestic  
Sustainability: Sustainability Related  
Weekly: Lecture 3 hrs.

### **NAS 307 - Nature and Issues of Genocide**

Units: 3  
Examination of the processes of genocide, historical genocide acts and genocide in the twenty-first century. Emphasis on the genocide of Indigenous Peoples of North America.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE UD Area D: Social Sciences  
All University Requirements: DCG: Non-Domestic  
Weekly: Lecture 3 hrs.

### **NAS 312 - Grant Writing for Social and Environmental Justice**

Units: 4  
Teaches the mechanics of proposal writing and the political and social aspects of "grantsmanship," including a focus on skills in identifying sources of grant funding, doing useful research to support applications, and tailoring proposals to specific audience interests. Provides a broad overview of federal, state, and foundation grants aimed at program and project development for the social sciences with a focus on programs for social and environmental justice. Includes several short writing assignments and an independent project. Students may also be asked to engage in a collaborative grant project to help build their skills in collaboration or to work on a grant application for submission. Those interested in working with nonprofit, state, or tribal organizations will learn how to navigate grant writing, grant submission, and grant planning. Provides context for a critical discussion of decolonial methodologies for grantsmanship and program and project development.  
Division: Upper Division  
Requisites: Recommended Preparation: NAS 104 and NAS 107

Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Lecture 4 hrs.

### **NAS 331 - Indigenous Natural Resource Management Practices**

Units: 3  
Emphasis on the critical importance of natural resource management in indigenous communities. Comparison of the cultural traditions and beliefs of indigenous people, with those of western science based management. Recommended preparation: NAS 104 and/or NAS 306.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
All University Requirements: DCG: Domestic  
Sustainability: Sustainability Focused  
Weekly: Lecture 3 hrs.

### **NAS 332 - Environmental Justice**

Units: 3  
Issues/ concerns that led to Executive Order 12898 (environmental policies and conflicts between industries and those seeking environmental protection, including Alaska Native villages, "lower 48" tribes, grassroot community organizations).  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
All University Requirements: DCG: Domestic  
Sustainability: Sustainability Focused  
Weekly: Lecture 3 hrs.

### **NAS 333 - Food Sovereignty Lab**

Units: 1  
Supplementary interdisciplinary lab course. Offers an opportunity for engaged hands-on learning and research in the NAS Food Sovereignty Lab and Cultural Workshop Space. Students will be asked to engage in collaborative research projects to support workshops and community activities in the lab and participate in ongoing research projects for faculty, graduate students, and community members. Supports the development of students as researchers, community organizers and community-facing professionals. Students who would like to apply for the NAS Food Sovereignty Lab Internship Fellowship Program are required to have taken this course to support the development of their Internship program proposal.  
Division: Upper Division  
Requisites: Co-requisites: NAS 304, NAS 331 or NAS 332 (or may be completed previously)  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Focused  
Zero cost course materials: No Course Materials Required  
Weekly: Activity 2 hrs.

### **NAS 340 - Language and Communication in Native American Communities**

Units: 3  
Native American languages in social, cultural, and historical contexts. Precontact languages; traditional modes of language use; efforts to preserve or revive languages.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs.

### **NAS 345 - Native Languages of North America**

Units: 3  
Survey principle languages of northwestern California (Hupa, Karuk, Tolowa, Yurok). No special background required; college-level work in

non- English language is helpful.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs.

### **NAS 361 - Tribal Sovereignty, Tribal Citizens**

Units: 3  
Comprehensive review of NA civics and dual role of tribal citizenship in the US. Topics: tribal governance, tribal justice systems, Indian-White relations, education, religious conflict, community development.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Related  
Weekly: Lecture 3 hrs.

### **NAS 362 - Tribal Governance and Leadership**

Units: 3  
Organization and structure. Political, economic, and social constraints.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Related  
Weekly: Lecture 3 hrs.

### **NAS 364 - Federal Indian Law I**

Units: 4  
Unique federal/ tribal legal and historical relationship. Scope and authority of tribal governments as modified through contact with the federal government. Federal legislation and Supreme Court decisions regarding Indians and tribes.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 4 hrs.

### **NAS 365 - Federal Indian Law II**

Units: 4  
Continues NAS 364. Tribal jurisdiction in Indian country. Tribal/state conflicts over jurisdiction. Special topics.  
Division: Upper Division  
Requisites: Pre-requisite: NAS 364 recommended.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 4 hrs.

### **NAS 366 - Tribal Water Rights**

Units: 4  
Federal/ state water laws and Indian treaties; water problems on Western reservations as classic examples.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Focused  
Weekly: Lecture 4 hrs.

### **NAS 468 - Tribal Justice Systems**

Units: 3  
Examines the creation and maintenance of the legal relationships between Indigenous nations and their citizens. Focusing on tribal courts, policing, informal and formal mechanisms of conflict resolution and social control.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
All University Requirements: DCG: Domestic  
Weekly: Lecture 3 hrs.

### **NAS 480 - Selected Topics in Native American Studies**

Units: 1-4  
Special topic, problem area, or field research. Rep with different topics.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar hrs TBD

#### **NAS 491 - Mentoring**

Units: 1-2  
Advanced majors gain experience as teaching assistants working with a diverse body of students.  
Division: Upper Division  
Requisites: Pre-requisite: NAS 104, NAS 200, junior standing or above, and IA.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Tutorial hrs TBD

#### **NAS 492 - Native American Studies Capstone Experience**

Units: 3  
Capstone experience for NAS majors. Students to apply knowledge of NAS to practical problems. course will entail either group or individual projects.  
Division: Upper Division  
Requisites: Pre-requisite: NAS 104, NAS 200, NAS 364, Native American Studies major with junior standing or greater.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Seminar 3 hrs.

#### **NAS 499 - Directed Research**

Units: 1-3  
Take only one NAS 499 class per semester and four NAS 499 classes per academic career at Cal Poly Humboldt. Both provisions subject to petition.  
Division: Upper Division  
Requisites: Pre-requisite: Instructor Approval Required. Advanced students only.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Supervision hrs TBD

#### **NAS 690 - Thesis**

Units: 1-3  
Division: Graduate  
Requisites: Pre-requisite: advanced to candidacy.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar hrs TBD

#### **NAS 699 - Independent Study**

Units: 1-3  
Division: Graduate  
Repeats: Repeatable for Credit  
Permission to enroll: Instructor Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Supervision hrs TBD

## **Natural Resources**

#### **NR 480 - Selected Topics**

Units: 1-3  
Division: Upper Division  
Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar hrs TBD

## **Nursing**

#### **NRS 348 - Development for Professional Practice**

Units: 3  
This course is designed for RN-BSN students. This course focuses on socialization and development into professional nursing roles including the nurse as professional, advocate, leader, provider and coordinator/collaborator of care. The course also focuses on the nursing process using an eclectic theoretical model and discussion of selected issues in professional practice. Students are expected to utilize critical thinking skills to address the concepts of this course.  
Division: Upper Division  
Requisites: Pre-requisite: nursing major, junior standing or above. Co-requisite: NRS 390.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs.

#### **NRS 350 - Pathophysiology for Nursing Practice**

Units: 3  
This course builds upon the student's prior knowledge of disease processes throughout the lifespan including cellular function and integrative body functions. The course focuses on the pathophysiologic rationale for nursing interventions.  
Division: Upper Division  
Requisites: Pre-requisite: nursing majors, junior standing or above. Co-requisite: NRS 372.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs.

#### **NRS 372 - Health Assessment and Promotion Across the Lifespan**

Units: 3  
Introduces principles related to conducting a complete health assessment. Concepts include: history taking, physical examination, diagnostic testing, health promotion and patient education.  
Division: Upper Division  
Requisites: Pre-requisite: nursing majors, junior standing or above. Co-requisite: NRS 350.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs.

#### **NRS 390 - Nursing Informatics and Information Literacy and Competency**

Units: 3  
Introduction to nursing information literacy and information science and information systems. Research skills to strengthen evidence-based practice for consumer-centered computer-supported care.  
Division: Upper Division  
Requisites: Pre-requisite: nursing majors, junior standing or above. Co-requisite: NRS 348.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs.

#### **NRS 460 - Nursing Leadership and Management Dynamics**

Units: 3  
Review and analysis of the principles related to organizational theory, socioeconomic political trends and healthcare delivery systems. This course focuses on leading and managing comprehensive care coordination in at-risk, rural, and/or vulnerable populations.  
Division: Upper Division  
Requisites: Pre-requisite: NRS 348, NRS 350, NRS 372, NRS 390

390, nursing majors, junior standing or above.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs.

### **NRS 470 - Community/Public Health Nursing**

Units: 3  
Apply a synthesis of nursing theories and public health science to assessment and health promotion in at risk and vulnerable communities and aggregates.  
Division: Upper Division  
Requisites: Pre-requisite: NRS 348, NRS 350, NRS 372, NRS 390, nursing majors, junior standing or above. Co-requisite: NRS 471.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs.

### **NRS 471 - Community/Public Health Nursing Lab**

Units: 3  
Apply nursing and public health interventions aimed at health promotion and disease/ injury prevention in at-risk, rural, and indigenous communities, aggregates, families and individuals.  
Division: Upper Division  
Requisites: Pre-requisite: NRS 348, NRS 350, NRS 372, NRS 390. Co-requisite: NRS 470.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Tutorial hrs TBD

### **NRS 490 - Introduction to Nursing Research**

Units: 3  
This course is designed to introduce registered nurses to the research process and to research concepts applicable to clinical practice; reading, analyzing and critiquing research; and the development of skills in writing professional nursing papers. This is a writing intensive course.  
Division: Upper Division  
Requisites: Pre-requisite: NRS 348, NRS 350, NRS 372, NRS 390.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs.

## **Oceanography**

### **OCN 109 - General Oceanography**

Units: 3  
Extent of the oceans; chemical nature of sea water; causes/effects of currents, tides, and waves; animal and plant life in the sea; features of the ocean floor.  
Division: Lower Division  
Requisites: Co-requisite: OCN 109L.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE B1: Physical Science  
Weekly: Lecture 3 hrs.

### **OCN 109L - General Oceanography Laboratory**

Units: 1  
Introductory laboratory activities to develop understanding of fundamental concepts from geological, chemical, physical, and biological oceanography and the inter-relationship between those concepts.  
Division: Lower Division  
Requisites: Pre-requisite: OCN 109 (C).  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE B3: Laboratory Activity  
Weekly: Laboratory 3 hrs.

### **OCN 260 - Sampling Techniques and Field Studies**

Units: 1  
Introductory course for majors. Biological, chemical, geological, and physical oceanographic methods of sampling and analysis. Shipboard procedures and navigation.  
Division: Lower Division  
Requisites: Pre-requisite: OCN 109 (if taken prior to fall 2015) or OCN 109 and OCN 109L.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Laboratory 3 hrs.

### **OCN 301 - Marine Ecosystems - Human Impact**

Units: 3  
Relationships and interaction between humans and marine life. Living organisms: in history and legend, as food, and as industrial resource. Problems and aesthetic aspects of marine organisms.  
Division: Upper Division  
Requisites: Pre-requisite: OCN 109 or completed lower division GE Area B.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE UD Area B: Math & Science  
Sustainability: Sustainability Focused  
Weekly: Lecture 2 hrs. Second Lecture 1 hr.

### **OCN 304 - Resources of the Sea**

Units: 3  
Non-Living resources of the ocean floor and water; distribution, origin, and exploitation of minerals; energy production from the ocean; environmental and political problems of ocean exploitation.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE UD Area B: Math & Science  
Sustainability: Sustainability Focused  
Weekly: Lecture 2 hrs. Second Lecture 1 hr.

### **OCN 310 - Biological Oceanography**

Units: 4  
Physical, chemical, and biological factors characterizing the marine environment, including factors controlling plant and animal populations. Methods of sampling identification and analysis.  
Division: Upper Division  
Requisites: Pre-requisite: BIOL 105 and either OCN 109 (if taken prior to fall 2015) or OCN 109 and OCN 109L.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 2 hrs. Laboratory 6 hrs.

### **OCN 320 - Physical Oceanography**

Units: 4  
Physical properties and processes in seas: theory of distribution of variables; current determination; waves and tides.  
Division: Upper Division  
Requisites: Pre-requisite: (MATH 110 or MATH 215) and (ENGR 211 or PHYX 107 or PHYX 210). ENGR/PHYX course may be taken concurrently. Recommended Preparation: OCN 109  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs. Laboratory 3 hrs.

### **OCN 330 - Chemical Oceanography**

Units: 4  
Composition of seawater. Distribution and cycling of important major and minor chemical species throughout the oceans. Marine analytical chemistry.  
Division: Upper Division  
Requisites: Pre-requisite: CHEM 110 or Instructor Approval.

Recommended Preparation: OCN 109.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 2 hrs. Laboratory 6 hrs.

### **OCN 340 - Geological Oceanography**

Units: 4  
Classification/ origin of major topographic features on ocean floor. First order plate tectonic theory. Recent marine sediments and sedimentary processes.  
Division: Upper Division  
Requisites: Pre-requisites: GEOL 109 and (MATH 101T or MATH 102 or equivalent). Recommended Preparation: OCN 109  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs. Laboratory 3 hrs.

### **OCN 370 - Library Research and Report Writing Seminar**

Units: 2  
Access oceanographic literature and write reports.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 1 hr. Laboratory 3 hrs.

### **OCN 410 - Zooplankton Ecology**

Units: 3  
Identification, distribution, abundance, adaptations, and life histories of animals in the plankton. Techniques in field/lab studies.  
Division: Upper Division  
Requisites: Pre-requisite: (OCN 109 (if taken prior to fall 2015) or OCN 109 and OCN 109L, and (OCN 310 or ZOO 314); or IA.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 1 hr. Laboratory 6 hrs.

### **OCN 420 - Oceans and Climate**

Units: 3  
Examines the role that oceans play in mediating global climate. Detailed exploration of ocean carbon cycle, consequences of climate change on ocean ecosystems, ocean-related climate feedback loops, and predictions of oceans of the future.  
Division: Upper Division  
Requisites: Pre-requisite: CHEM 107 or CHEM 109, MATH 105 or MATH 109, (OCN 109 (if taken prior to fall 2015) or OCN 109 and OCN 109L, PHYX 107 or PHYX 109.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Related  
Weekly: Lecture 3 hrs.

### **OCN 485 - Undergraduate Seminar**

Units: 1  
Study literature to prepare oral scientific reports.  
Division: Upper Division  
Requisites: Pre-requisite: senior standing and at least one of the following: OCN 310, OCN 320, OCN 330, OCN 340, or IA.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 1 hr.

### **OCN 495 - Field Cruise I**

Units: 3  
Develop a research proposal. Conduct research on extended cruise. Use oceanographic techniques and theory on-board ship.  
Division: Upper Division  
Requisites: Pre-requisite: oceanography major with junior standing or greater.  
Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Laboratory 9 hrs.

### **OCN 496 - Field Cruise II**

Units: 2  
Process oceanographic samples and analyze research data. Prepare a final cruise report.  
Division: Upper Division  
Requisites: Pre-requisite: OCN 495.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Laboratory 6 hrs.

### **OCN 499 - Directed Study**

Units: 1-2  
Original research on assigned topic. Lab work, field work, or literature surveys.  
Division: Upper Division  
Requisites: Pre-requisite: senior oceanography major and IA.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Supervision hrs TBD

## **Philosophy**

Philosophy majors and minors must earn a minimum grade of "C" in all courses taken to fulfill the major/minor requirements.

### **PHIL 100 - Logic**

Units: 3  
Study of correct reasoning. Sentential logic, informal fallacies, and certain paradigms of inductive reasoning. Nature of language, artificial and natural.  
Division: Lower Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE A3: Critical Thinking  
Weekly: Lecture 3 hrs.

### **PHIL 104 - Asian Philosophy**

Units: 3  
Critically and constructively evaluate principal philosophies of China and India - Hinduism, Buddhism, Daoism, Confucianism. Compare/contrast with Western philosophical orientations. Asian thought as creative proving ground for multiculturalism.  
Division: Lower Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE C2: Humanities  
All University Requirements: DCG: Non-Domestic  
Weekly: Lecture 3 hrs.

### **PHIL 106 - Moral Controversies**

Units: 3  
Major moral theories applied to contemporary issues, such as: environmental ethics, abortion, discrimination, world hunger, the death penalty, euthanasia, homosexuality, and same-sex marriage.  
Division: Lower Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE C2: Humanities  
Sustainability: Sustainability Related  
Weekly: Lecture 3 hrs.

### **PHIL 107 - Introduction to Philosophy**



Units: 3

Questions such as: What is knowledge? Is morality objective? Does God exist? What is beauty? Is there free will?

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE C2: Humanities

Weekly: Lecture 3 hrs.

### **PHIL 180 - Special Topics in Philosophy**

Units: 1

New courses. Guided study.

Division: Lower Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 1 hr.

### **PHIL 198 - Supplemental Instruction in Logic**

Units: 1

Collaborative work for students enrolled in PHIL 100 (Logic).

Division: Lower Division

Requisites: Co-requisite: PHIL 100.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Mandatory CR/NC

Weekly: Activity 2 hrs.

### **PHIL 210 - Ancient Philosophy**

Units: 3

A survey of the main thinkers and themes in the Western tradition, from the Pre-Socratics through the Middle Ages, including Socrates, Plato, and Aristotle.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Mandatory Letter Grade

Weekly: Lecture 3 hrs.

### **PHIL 211 - Modern Philosophy**

Units: 3

A survey of the main thinkers and themes in the Western tradition from the 17th century through the 19th century, including rationalist and empiricist philosophers.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Mandatory Letter Grade

Weekly: Lecture 3 hrs.

### **PHIL 301 - Reflections on the Arts**

Units: 3

Theories of art as they emphasize or suppress one or more dimensions of artistic creation and aesthetic experience: form, feeling, realism, fantasy. Judgments of taste, style, and excellence.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE UD Area C: Art & Humanities

Weekly: Lecture 3 hrs.

### **PHIL 302 - Environmental Ethics**

Units: 3

Critique approaches to relationship between human beings and the environment.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE UD Area C: Art & Humanities

Sustainability: Sustainability Focused

Weekly: Lecture 3 hrs.

### **PHIL 303 - Theories of Ethics**

Units: 3

Ethical theories of Western philosophical tradition: Plato, Aristotle, Hume, Kant, Mill. Contemporary metaethical concerns of definition and justification.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE UD Area C: Art & Humanities

Weekly: Lecture 3 hrs.

### **PHIL 304 - Philosophy of Sex and Love**

Units: 3

Analysis of metaphysical and moral issues relating to sex and love, such as: What is love? What sexual activities are natural, moral, perversions? Friendship, adultery, pornography, prostitution, homosexuality, and same-sex marriage.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE UD Area C: Art & Humanities

Weekly: Lecture 3 hrs.

### **PHIL 306 - Race, Racism and Philosophy**

Units: 3

A philosophical study of the conceptual, metaphysical, moral, and social political issues surrounding race and racism.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE UD Area C: Art & Humanities

All University Requirements: DCG: Domestic

Weekly: Lecture 3 hrs.

### **PHIL 307 - Philosophy of Law**

Units: 3

Analyze various philosophical perspectives regarding topics such as: the nature of law and legal reasoning, the relationship between morality and law, theories of punishment, civil disobedience, and other relevant topics.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE UD Area C: Art & Humanities, GE UD Area D: Social Sciences

Weekly: Lecture 3 hrs.

### **PHIL 309B - Perspectives: Humanities/Science/ Social Science**

Units: 3

Critique perspectives, modes of inquiry, and products of the humanities, biological and physical sciences, social and behavioral sciences, and their relationships.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE UD Area B: Math & Science, GE UD Area C: Art & Humanities, GE UD Area D: Social Sciences

Sustainability: Sustainability Related

Weekly: Lecture 3 hrs.

### **PHIL 345 - Philosophies of China**

Units: 3

Classic texts in Taoism, Confucianism, Buddhism, and I Ching. Focus on unifying concepts amid differences. Compare to Western philosophies. China encountering multiculturalism from within and without.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs.

### **PHIL 346 - Philosophies of India**

Units: 3

Classic themes of Indian philosophy. Selections from Rig Veda, Upanishads, Bhagavad-Gita, Buddhism, and Shankara. Compare to Western philosophies. India encountering multiculturalism from within and without.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 3 hrs.

### **PHIL 349 - Latin American Philosophy**

Units: 3

Surveys the historical development of philosophy in Latin America from the Pre-Colonial period to the present. Topics may include its development and uniqueness, and its relationship to colonialism and identity.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Mandatory Letter Grade

Weekly: Lecture 3 hrs.

### **PHIL 355 - Existentialism**

Units: 3

Principal existential philosophers of 19th and 20th centuries, such as Kierkegaard, Heidegger, Nietzsche, Sartre, Marcel, Buber.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 3 hrs.

### **PHIL 371 - Contemporary Social and Political Philosophy**

Units: 3

A critical study of the main contemporary Western theories of the ideal state and how these theories deal with such core political values as justice, liberty, equality, and community.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 3 hrs.

### **PHIL 391 - Seminar in Philosophy**

Units: 1-3

Intensive study of a philosophical movement, philosophical problem, writings of a philosopher, or a subdiscipline (for example, philosophy of mind). Elective credit for philosophy majors requires prior Department approval required.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar hrs TBD

### **PHIL 415 - Symbolic Logic**

Units: 3

Quantifiable logic, including logic of relations; properties of axiomatic systems; many-valued logic; modal logic and its extensions.

Division: Upper Division

Requisites: Pre-requisite: PHIL 100 or IA.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 3 hrs.

### **PHIL 420 - Contemporary Epistemology and Metaphysics**

Units: 3

What exists? What are the basic categories of being? What does it mean to know? Are there different kinds or sources of knowing?

Recommended preparation: PHIL 100.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 3 hrs.

### **PHIL 425 - Philosophy of Science**

Units: 3

Critical examination of aims, assumptions, and norms of science.

Nature of satisfactory explanations, nature of theories and their criteria of acceptability. Study of scientific progress, limits of science, reasoning in science & scientific method. Recommended preparation: PHIL 100.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 3 hrs.

### **PHIL 480 - Special Topics in Philosophy**

Units: 1-3

Topics vary.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar hrs TBD

### **PHIL 485 - Seminar in Philosophy**

Units: 3

Intensive study of a philosophical movement, philosophical problem, writings of a philosopher, or a subdiscipline (for example, philosophy of mind).

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 3 hrs.

### **PHIL 499 - Directed Study**

Units: 1-2

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Supervision hrs TBD

### **PHIL 680 - Special Topics**

Units: 1-3

Intensive study in selected philosophers and/or topics.

Division: Graduate

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar hrs TBD

## **Physical Education**

Students injured while participating in a physical education or recreation administration class are not covered by any university insurance policy. Student are responsible for obtaining their own coverage through a private insurance agency or through the insurance plan of the Associated Students. Students with disabilities are welcome in all physical education activity courses.

Additional aquatic offerings found under Recreation Administration.

**PE 112 - Aikido, Beginning**

Units: 1

Nonaggressive yet highly effective form of self-defense. Learn respect for self/others in a setting of diligent, cooperative training.

Division: Lower Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Activity 2 hrs.

**PE 113 - Archery, Beginning**

Units: 1

Open to all ability levels. Beginners taught bow and arrow techniques.

Intermediate/advanced archers provided target time.

Division: Lower Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Activity 2 hrs.

**PE 114 - Badminton, Beginning**

Units: 1

Skills, rules, strategies. Serves, smashes, drops, clears, nets, backhands, forehands, footwork, singles and doubles strategies.

Division: Lower Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Activity 2 hrs.

**PE 116 - Basketball**

Units: 1

Beginning skills and knowledge for playing organized basketball. Skill development drills; game situations.

Division: Lower Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Activity 2 hrs.

**PE 118 - Bowling**

Units: 1

Fundamentals: scoring, etiquette, footwork.

Division: Lower Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Activity 2 hrs.

**PE 119 - Fitness Fusion**

Units: 1

Safe impact aerobic and strength exercise, a combination of the most popular fitness methods including rhythmic movement, functional fitness, strength/core training, yoga, and barefoot training.

Division: Lower Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Activity 2 hrs.

**PE 125 - Fencing, Beginning**

Units: 1

Fundamental techniques and principles of the art of personal combat

with the sword. Emphasis on building a strong foundation of basic defensive skills, using the foil as a training tool for the early 19th century dueling sword.

Division: Lower Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Activity 2 hrs.

**PE 138 - Self Defense**

Units: 1

Mental self-defense: awareness, avoidance. Physical options against attack. Overview of martial arts.

Division: Lower Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Activity 2 hrs.

**PE 140 - Tai Chi Chuan, Beginning**

Units: 1

Yang style short form. Emphases: precise movement, body dynamics.

Division: Lower Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Activity 2 hrs.

**PE 141 - Soccer**

Units: 1

Skills, strategies, tactics.

Division: Lower Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Activity 2 hrs.

**PE 144 - Stretch and Relaxation Techniques**

Units: 1

Loosen up, stretch out, and practice relaxation techniques.

Division: Lower Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Activity 2 hrs.

**PE 146 - Fitness Swimming, Beginning**

Units: 1

Cardiovascular swimming instruction and workouts for those with basic ability. Self-paced, aerobic lap swims with stroke instruction.

Division: Lower Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Activity 2 hrs.

**PE 151 - Ultimate Frisbee, Beginning**

Units: 1

Disc throwing techniques; fundamentals of the game of ultimate.

Develop game strategy through drills and playing.

Division: Lower Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Activity 2 hrs.

**PE 157 - Weight Training, Individual, Beginning**

Units: 1  
No scheduled hours; individualized weight program during open hours.  
Division: Lower Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Activity 2 hrs.

**PE 158 - Strength Fitness**

Units: 2  
Principles of weight training. Establish strength and conditioning foundation. Two additional hours TBA.  
Division: Lower Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Activity 4 hrs.

**PE 192 - Latin Dance**

Units: 1  
An exploration of Latin Dances. Includes: Salsa, Argentine Tango, Merengue, Rumba, Cumbia, and Mexican Social Dances.  
Division: Lower Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Activity 2 hrs.

**PE 196 - Swing Dance**

Units: 1  
An exploration of American Swing Dances and identify various styles. Includes: East Coast Swing, Lindy Hop, (Savoy Style or Hollywood Style) Shag.  
Division: Lower Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Activity 2 hrs.

**PE 224 - Women's Rowing, Beginning**

Units: 1  
Designed for women interested in joining women's intercollegiate crew team. The class will teach the basic mechanics of rowing.  
Division: Lower Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Activity 2 hrs.

**PE 251 - Ultimate Frisbee, Intermediate**

Units: 1  
For those with fundamental skills and knowledge of game. Drills; develop game strategy through playing.  
Division: Lower Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Activity 2 hrs.

**PE 253 - Pilates**

Units: 1  
Students will learn the Pilates method of controlled exercise to increase core strength, proper posture, coordination, balance, flexibility, and overall body awareness. course designed for all levels of capability and age.  
Division: Lower Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Mandatory CR/NC  
Zero cost course materials: No Course Materials Required  
Weekly: Activity 2 hrs.

**PE 259 - Yoga**

Units: 1  
Postures designed to increase flexibility, strength, awareness, relaxation.  
Division: Lower Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Activity 2 hrs.

**PE 263 - Intermediate Yoga**

Units: 2  
Physical yoga practice of asana, pranayama, and meditation. Theory of yoga woven into the practice to encourage embodiment of all aspects of yoga. Recommended preparation: regular yoga practice.  
Division: Lower Division  
Requisites: Pre-requisite: PE 259 or previous yoga experience.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Mandatory CR/NC  
Zero cost course materials: No Course Materials Required  
Weekly: Activity 4 hrs.

**PE 280 - Special Topics**

Units: 1-4  
New courses, workshops.  
Division: Lower Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Lecture hrs TBD

**PE 289 - Special Topics**

Units: 1-3  
Activities.  
Division: Lower Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Activity hrs TBD

**PE 347 - Master Swim**

Units: 1-2  
Aerobic and anaerobic swimming workouts to improve competitive stroke techniques, speed, endurance, and cardiovascular fitness. All four competitive strokes; workout formats.  
Division: Upper Division  
Requisites: Pre-requisite: advanced swimming ability.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Activity hrs TBD

**PE 360 - Lifeguard Training**

Units: 2  
 Professional techniques. American Red Cross certification.  
 Division: Upper Division  
 Requisites: Pre-requisite: advanced swimming ability.  
 Permission to enroll: No Special Consent Required  
 Grading mode: Optional Grade Basis  
 Zero cost course materials: No Course Materials Required  
 Weekly: Lecture 1 hr. Laboratory 3 hrs.

**PE 420 - Intercollegiate Men's Basketball**

Units: 3  
 Division: Upper Division  
 Repeats: Repeatable for Credit  
 Permission to enroll: No Special Consent Required  
 Grading mode: Optional Grade Basis  
 Zero cost course materials: No Course Materials Required  
 Weekly: Activity 9 hrs.

**PE 421 - Intercollegiate Women's Basketball**

Units: 3  
 Division: Upper Division  
 Repeats: Repeatable for Credit  
 Permission to enroll: No Special Consent Required  
 Grading mode: Optional Grade Basis  
 Zero cost course materials: No Course Materials Required  
 Weekly: Activity 9 hrs.

**PE 424 - Intercollegiate Women's Crew**

Units: 3  
 Division: Upper Division  
 Repeats: Repeatable for Credit  
 Permission to enroll: No Special Consent Required  
 Grading mode: Optional Grade Basis  
 Zero cost course materials: No Course Materials Required  
 Weekly: Activity 9 hrs.

**PE 426 - Intercollegiate Men's/Women's Cross Country**

Units: 3  
 Division: Upper Division  
 Repeats: Repeatable for Credit  
 Permission to enroll: No Special Consent Required  
 Grading mode: Optional Grade Basis  
 Zero cost course materials: No Course Materials Required  
 Weekly: Activity 9 hrs.

**PE 432 - Intercollegiate Football**

Units: 3  
 Division: Upper Division  
 Repeats: Repeatable for Credit  
 Permission to enroll: No Special Consent Required  
 Grading mode: Optional Grade Basis  
 Zero cost course materials: No Course Materials Required  
 Weekly: Activity 9 hrs.

**PE 438 - Intercollegiate Men's/Women's Soccer**

Units: 3  
 Division: Upper Division  
 Repeats: Repeatable for Credit  
 Permission to enroll: No Special Consent Required  
 Grading mode: Optional Grade Basis  
 Zero cost course materials: No Course Materials Required  
 Weekly: Activity 9 hrs.

**PE 444 - Intercollegiate Women's Softball**

Units: 3  
 Division: Upper Division  
 Repeats: Repeatable for Credit  
 Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis  
 Zero cost course materials: No Course Materials Required  
 Weekly: Activity 9 hrs.

**PE 456 - Intercollegiate Men's/Women's Track and Field**

Units: 3  
 Division: Upper Division  
 Repeats: Repeatable for Credit  
 Permission to enroll: No Special Consent Required  
 Grading mode: Optional Grade Basis  
 Zero cost course materials: No Course Materials Required  
 Weekly: Activity 9 hrs.

**PE 463 - Intercollegiate Women's Volleyball**

Units: 3  
 Division: Upper Division  
 Repeats: Repeatable for Credit  
 Permission to enroll: No Special Consent Required  
 Grading mode: Optional Grade Basis  
 Zero cost course materials: No Course Materials Required  
 Weekly: Activity 9 hrs.

**PE 476 - Water Safety Instructor**

Units: 2  
 Methods in swimming instruction. Class management, teaching techniques, lesson planning. American Red Cross WSI certification.  
 Division: Upper Division  
 Permission to enroll: No Special Consent Required  
 Grading mode: Optional Grade Basis  
 Zero cost course materials: No Course Materials Required  
 Weekly: Lecture 1 hr. Activity 2 hrs.

**PE 480 - Special Topics**

Units: 1-4  
 Topics of current interest.  
 Division: Upper Division  
 Repeats: Repeatable for Credit  
 Permission to enroll: No Special Consent Required  
 Grading mode: Optional Grade Basis  
 Weekly: Seminar TBA hrs.

## Physics

Physics majors and minors must earn a minimum grade of C- in all physics courses.

**PHYX 100 - From Stars to Rocks: Being a Scientist in the 21st Century**

Units: 3  
 Introduction to the impact of astronomy, chemistry, physics, and geology on student life and society, practical aspects of the study of the disciplines and associated careers from different perspectives.  
 Division: Lower Division  
 Permission to enroll: No Special Consent Required  
 Grading mode: Optional Grade Basis  
 General Education: GE E: Lifelong Learning  
 Weekly: Lecture 2 hrs. Seminar 1 hr.

**PHYX 104 - Descriptive Astronomy**

Units: 4  
 Understand and appreciate astronomy/planet Earth. Methods of obtaining facts and formulating principles. Labs: naked-eye star/planet observation, movement of moon and celestial sphere, constellations, galaxies, star clusters, light and spectroscopy, telescopes. For non-majors.  
 Division: Lower Division  
 Requisites: Pre-requisite: Math placement category I, II, or III.  
 Permission to enroll: No Special Consent Required  
 Grading mode: Optional Grade Basis

General Education: GE B1: Physical Science  
Weekly: Lecture 3 hrs. Laboratory 3 hrs.

### **PHYX 104S - Descriptive Astronomy**

Units: 4

Understand and appreciate astronomy/planet Earth. Methods of obtaining facts and formulating principles. Labs: naked-eye star/planet observation, movement of moon and celestial sphere, constellations, galaxies, star clusters, light and spectroscopy, telescopes. Lab will include service learning through providing workshops to students in K-12 schools and programs requiring two visits to local schools. For non-majors.

Division: Lower Division

Requisites: Pre-requisite: Math placement category I, II, or III.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE B1: Physical Science, GE B3: Laboratory Activity

Service learning course: Yes

Weekly: Lecture 3 hrs. Laboratory 3 hrs.

### **PHYX 106 - College Physics: Mechanics and Heat**

Units: 4

Non-Calculus, for science majors. Mechanics, fluids, heat, sound.

Division: Lower Division

Requisites: Pre-requisite: MATH 101T or MATH 102.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE B1: Physical Science, GE B3: Laboratory Activity

Weekly: Lecture 3 hrs. Laboratory 3 hrs.

### **PHYX 107 - College Physics: Electromagnetism and Modern Physics**

Units: 4

Non-Calculus, for science majors. Geometric optics, electricity, magnetism, electromagnetic waves, AC circuits, physical optics, relativity.

Division: Lower Division

Requisites: Pre-requisite: PHYX 106 with a grade of C or higher.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE B1: Physical Science, GE B3: Laboratory Activity

Weekly: Lecture 3 hrs. Laboratory 3 hrs.

### **PHYX 109 - General Physics A: Mechanics**

Units: 4

Calculus-based, for science/engineering students.

Division: Lower Division

Requisites: Pre-requisite: MATH 109 (C).

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE B1: Physical Science, GE B3: Laboratory Activity

Weekly: Lecture 2 hrs. Activity 2 hrs. Laboratory 3 hrs.

### **PHYX 118 - College Physics: Biological Applications**

Units: 1

Geometrical optics, simple DC circuits.

Division: Lower Division

Requisites: Pre-requisite: PHYX 106 (C).

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 1 hr.

### **PHYX 198 - Supplemental Instruction**

Units: 1

Collaborative work for students enrolled in introductory physics.

Division: Lower Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Mandatory CR/NC

Weekly: Tutorial 2 hrs.

### **PHYX 210 - General Physics B: Thermodynamics, Waves and Optics**

Units: 4

Calculus-based, for science/ engineering students.

Division: Lower Division

Requisites: Prerequisite: MATH 110 (C) and PHYX 109 with a grade of C or higher, or an approved physics series.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 2 hrs. Activity 2 hrs. Laboratory 3 hrs.

### **PHYX 211 - General Physics C: Electricity, Magnetism**

Units: 4

Calculus-based, for science/ engineering students.

Division: Lower Division

Requisites: Pre-requisite: MATH 210 (C) and PHYX 210 (C) (or ENGR 211 and MATH 210(C) for engineering majors) with grades of C or higher.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 2 hrs. Activity 2 hrs. Laboratory 3 hrs.

### **PHYX 295 - Selected Topics in Physics**

Units: 1-5

Division: Lower Division

Repeats: Repeatable for Credit

Permission to enroll: Instructor Consent Required

Grading mode: Mandatory CR/NC

Weekly: Seminar hrs TBD

### **PHYX 303 - Life in the Universe**

Units: 3

Scholarly discussion of the probability that there are planets with life elsewhere in the universe, starting from current ideas about the origin and evolution of our solar system and life. Not intended for Physics majors.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE UD Area B: Math & Science

Weekly: Lecture 3 hrs.

### **PHYX 304 - Cosmos**

Units: 4

Grand picture in astronomy. Galaxies; general and special relativity; quantum gravity; cosmology; birth, present structure, and death of stars. For non-majors.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE UD Area B: Math & Science

Weekly: Lecture 3 hrs. Activity 2 hrs.

### **PHYX 310 - Spacetime and Relativity**

Units: 3

Einstein's ideas on space-time curvature, geometry of spacetime, and physics of gravitational collapse. Recommended preparation: MATH 241.

Division: Upper Division

Requisites: Pre-requisite: MATH 210; PHYX 320.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 3 hrs.

**PHYX 315 - Introduction to Electronics and Electronic Instrumentation**

Units: 3

Devices and circuits, both analog and digital, in science instrumentation. Construct amplifiers and digital circuits.

Division: Upper Division

Requisites: Pre-requisite: PHYX 211 with a grade of C or higher.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 2 hrs. Laboratory 3 hrs.

**PHYX 316 - Electronic Instrumentation and Control Systems**

Units: 4

Design/build electronic instruments. Direct interfacing of computers.

Division: Upper Division

Requisites: Pre-requisite: PHYX 315.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 2 hrs. Laboratory 6 hrs.

**PHYX 320 - Modern Physics**

Units: 3

Atomic, solid state, nuclear, and particle physics.

Division: Upper Division

Requisites: Pre-requisite: PHYX 210.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 2 hrs. Laboratory 3 hrs.

**PHYX 324 - Analytical Mechanics**

Units: 4

Principles and foundations of mechanics, from classical to modern ideas.

Division: Upper Division

Requisites: Pre-requisite: PHYX 211, PHYX 340, and MATH 313 (C).

Permission to enroll: No Special Consent Required

Grading mode: Mandatory Letter Grade

Weekly: Seminar 4 hrs.

**PHYX 325 - Thermal Physics**

Units: 4

Elements of classical and statistical thermodynamics.

Division: Upper Division

Requisites: Pre-requisite: PHYX 320.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 4 hrs.

**PHYX 340 - Mathematical and Computational Methods**

Units: 2

Numerical, symbolic and graphical programming and simulations, mathematical applications important to physicists.

Division: Upper Division

Requisites: Pre-requisite: PHYX 211(C).

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 1 hr. Laboratory 3 hrs.

**PHYX 360 - Physics of Stars and Planets**

Units: 4

Stellar structure and evolution, including black holes, white dwarfs, and neutron stars. Formation of solar systems, celestial mechanics. Physics of planetary interiors and atmospheres. Phenomena and techniques of optical astronomy.

Division: Upper Division

Requisites: Pre-requisite: PHYX 211.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 3 hrs. Laboratory 3 hrs.

**PHYX 361 - Galaxies and Cosmology**

Units: 4

Structure and morphology of galaxies, active galactic nuclei, and quasars; dynamics of galaxies; interstellar medium; techniques of radio astronomy; the cosmic distance ladder and the expanding universe; the Big Bang.

Division: Upper Division

Requisites: Pre-requisite: PHYX 360.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 3 hrs. Laboratory 3 hrs.

**PHYX 399 - Supplemental Work in Physics**

Units: 1-3

Directed study.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: Instructor Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Supervision hrs TBD

**PHYX 420 - Optics**

Units: 4

Geometrical and physical theories. Gaussian optics, interference, diffraction, polarization, lasers. Lab: design, set up, and test optical systems.

Division: Upper Division

Requisites: Pre-requisite: PHYX 211 and MATH 107.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 3 hrs. Laboratory 3 hrs.

**PHYX 441 - Electricity and Magnetism I**

Units: 3

Vector analysis, electrostatics, magnetostatics and electrodynamics.

Division: Upper Division

Requisites: Pre-requisite: PHYX 340 and (MATH 311, MATH 313, or MATH 315) Mathematics course may be taken concurrently)

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 3 hrs.

**PHYX 442 - Electricity and Magnetism II**

Units: 3

Conservation laws, electromagnetic waves, potentials & fields, radiation and relativity.

Division: Upper Division

Requisites: Pre-requisite: PHYX 441.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 3 hrs.

**PHYX 450 - Quantum Physics I**

Units: 4

Quantum mechanics; introductory atomic physics.

Division: Upper Division

Requisites: Pre-requisite: PHYX 320, PHYX 340 and MATH 313.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 4 hrs.

**PHYX 451 - Quantum Physics II**

Units: 2

Selected topics including: Identical Particles, Time-Independent Perturbation Theory, The WKB Approximation and Scattering.

Division: Upper Division

Requisites: Pre-requisite: PHYX 450.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis  
Weekly: Seminar 2 hrs.

### **PHYX 462 - Senior Lab**

Units: 2  
Experiments for senior physics majors. Bridge gap between carefully structured lower division lab experiences and truly independent research and development.  
Division: Upper Division  
Requisites: Pre-requisite: PHYX 315 and PHYX 320.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Laboratory 6 hrs.

### **PHYX 480 - Selected Topics in Physics for Seniors**

Units: 1-5  
Division: Upper Division  
Repeats: Repeatable for Credit  
Permission to enroll: Instructor Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar hrs TBD

### **PHYX 484 - Physics Seminar I**

Units: 0.5  
This is the first of a two-semester sequence. Students are expected to develop the skills necessary to research, prepare and effectively deliver technical presentations to an audience of peers.  
Division: Upper Division  
Requisites: Pre-requisite: senior standing.  
Permission to enroll: No Special Consent Required  
Grading mode: Mandatory CR/NC  
Weekly: Seminar 0.5 hrs.

### **PHYX 485 - Physics Seminar II**

Units: 0.5  
Seminar presentations by physics majors, faculty, and guest speakers. Capstone course. All physics majors are encouraged to attend the seminars.  
Division: Upper Division  
Requisites: Pre-requisite: PHYX 484; senior standing.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 0.5 hrs.

### **PHYX 490 - Senior Thesis I**

Units: 1-3  
Based on theoretical or experimental investigation. Consult with department to choose subject. File approved proposal with department prior to semester(s) in which work will be done.  
Division: Upper Division  
Requisites: Pre-requisite: consent of faculty member.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Supervision hrs TBD

### **PHYX 491 - Senior Thesis II**

Units: 2  
Continue senior thesis project if more time required.  
Division: Upper Division  
Requisites: Pre-requisite: PHYX 490.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Supervision hrs TBD

### **PHYX 495 - Undergraduate Research**

Units: 1-3  
Individual investigation of selected problem.  
Division: Upper Division  
Repeats: Repeatable for Credit  
Permission to enroll: Instructor Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Supervision hrs TBD

### **PHYX 499 - Directed Study**

Units: 1-3  
Individual study on selected problems.  
Division: Upper Division  
Repeats: Repeatable for Credit  
Permission to enroll: Instructor Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Supervision hrs TBD

## **Political Science**

### **PSCI 104 - People and Politics**

Units: 3  
Philosophical and historical foundations of the concept of political community. Contemporary issues confronting people as members of the political community.  
Division: Lower Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE D: Social Sciences  
Weekly: Lecture 3 hrs.

### **PSCI 110 - American Government**

Units: 3  
Political values, institutions, and patterns of influence in law and governance, including relations among the nation, tribes, and the state of California. Meets requirement in "US Constitution and California state and local government" established by legislature.  
Division: Lower Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
All University Requirements: Amer Inst: Constitution ONLY, American Inst: State/Local Government ONLY  
Weekly: Lecture 3 hrs.

### **PSCI 159 - California Government**

Units: 3  
Political process, institutions, governmental units. Current problems and political controversies. Meets requirement in "US Constitution and California state and local government" established by legislature.  
Division: Lower Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
All University Requirements: Amer Inst: Constitution ONLY, American Inst: State/Local Government ONLY  
Weekly: Lecture 3 hrs.

### **PSCI 160 - California Institutions**

Units: 1  
Political process, institutions, governmental units in California. Current problems and political controversies. Meets requirement in "California state and local government" established by legislature.  
Division: Lower Division  
Requisites: AP/CLEP exam or out-of-state transfer credit that, although equivalent to a U.S. government course, lacks the state's California government component.  
Permission to enroll: No Special Consent Required  
Grading mode: Mandatory CR/NC



All University Requirements: Amer Inst: State/Locl Gvt ONLY  
Weekly: Lecture 1 hr.

### **PSCI 220 - Introduction to Political Theory**

Units: 3

Key political concepts including freedom, equality, justice, and democracy critically examined through the writing of influential western thinkers from Plato to present. Required for political science majors.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 3 hrs.

### **PSCI 230 - Introduction to Comparative Politics**

Units: 3

Comparison of political institutions, parties, elections, movements, policies, and issues of countries other than the United States. Basic concepts and methods of the subfield. Required for political science majors.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 3 hrs.

### **PSCI 235 - Act to End Sexualized Violence**

Units: 1

Cross-listed with: ANTH 235, COMM 235, CRGS 235, SOC 235  
Analyze how sexualized violence impacts communities and operates as social control; learn to recognize victim-blaming, promote survivor centered responses, foreground enthusiastic consent, and take action to transform our campus community.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Mandatory CR/NC

Weekly: Lecture 1 hr.

### **PSCI 240 - Introduction to International Relations**

Units: 3

Examination of institutional, economic, security, and environmental relations between and among nations. Basic concepts, theory and methods of the subfield. Required for political science majors.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Related

Weekly: Lecture 3 hrs.

### **PSCI 280 - Core Discussion Seminar**

Units: 1

This course is designed as a supplement to the core courses of the major (PSCI 220, PSCI 230, and PSCI 240). Format is seminar and discussion. Oral and writing skills included. Need to take corresponding core course concurrently.

Division: Lower Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: Zero Cost Course Materials

Weekly: Seminar 1 hr.

### **PSCI 295 - Political Research and Analysis**

Units: 4

Research and analysis skills, both qualitative and quantitative, of political science as a discipline.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 4 hrs.

### **PSCI 303 - Global Inequalities**

Units: 3

Examination of the politics of inequality and power in low-income countries from historical, economic, social, cultural, and international perspectives.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE UD Area D: Social Sciences

All University Requirements: DCG: Non-Domestic

Sustainability: Sustainability Related

Weekly: Lecture 3 hrs.

### **PSCI 305 - Food Politics and the American Dream**

Units: 3

Explores a variety of topics in the politics of food, including political, economic, social, and cultural dynamics of food production and consumption; the intersection of food and identity; food and the environment; food regulatory policy; alternative food systems.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: UD GE Area D: Social Sciences

Sustainability: Sustainability Focused

Zero cost course materials: Zero Cost Course Materials

Weekly: Lecture 3 hrs.

### **PSCI 306 - Environmental Politics**

Units: 3

Examines issues, movements, and controversies at bioregional, national, and global levels. Analyzes the political decision-making process and implementation of environmental policy.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE UD Area D: Social Sciences

Sustainability: Sustainability Related

Weekly: Lecture 3 hrs.

### **PSCI 306M - Environmental Politics - Majors Research Seminar**

Units: 1

Students will conduct independent research on environmental politics and present their findings. course required for majors completing concentration in politics of environment and sustainability.

Division: Upper Division

Requisites: Co-requisite: PSCI 306.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Focused

Zero cost course materials: Zero Cost Course Materials

Weekly: Seminar 1 hr.

### **PSCI 313 - Politics of Criminal Justice**

Units: 4

Analysis of political forces driving criminal justice systems in US.

Emphasis placed on criminal justice policy and policy implementation and the impact of criminal justice policy on society.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 4 hrs.

### **PSCI 317 - Public Policy Process**

Units: 4

This course addresses the policy process and contemporary policy issues and at national and/or state level.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis  
Weekly: Seminar 4 hrs.

### **PSCI 323 - Topics in Political Theory**

Units: 4  
In-depth exploration of important concepts or movements in political thought. Topics vary; consult current class schedule.  
Division: Upper Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 4 hrs.

### **PSCI 324 - The Arab-Israeli Conflict: History, Narratives and Nationalism**

Units: 4  
Cross-listed with: HIST 324  
The Arab-Israeli Conflict: History, Narratives and Nationalism. Traces the history and politics of the Arab-Israeli conflict from its earliest days. Explains events and narratives that shaped this longstanding conflict, while also analyzing U.S. involvement in it. Recommended preparation: HIST 210.  
Division: Upper Division  
Requisites: Pre-requisite: sophomore standing or greater.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 4 hrs.

### **PSCI 327 - Radical Political Thought**

Units: 4  
Critical examination of Marxist and other radical critiques of liberal democracy that have been influential over the past century.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Related  
Weekly: Lecture 4 hrs.

### **PSCI 330 - Political Regimes and Political Change**

Units: 4  
Advanced study of comparative politics in regional context of Latin America, Africa, Europe, Middle East, or Asia. Topics vary; consult current class schedule.  
Division: Upper Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 4 hrs.

### **PSCI 340 - Ethnicity and Nationalism**

Units: 4  
Comparative study of ethnic identity and conflict, nationalism and responses of states and the international community. Regions and cases vary with instructor.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 4 hrs.

### **PSCI 343 - Global Governance**

Units: 4  
Analysis of the processes and politics of global governance with an emphasis on non-state actors, intergovernmental organizations, and international institutions.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Related  
Weekly: Lecture 4 hrs.

### **PSCI 347 - US Foreign Policy**

Units: 4  
Theoretical approaches; major problems. Procedures, interests, purposes, and group pressures.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Related  
Weekly: Seminar 4 hrs.

### **PSCI 350 - US National Politics**

Units: 4  
This course addresses how the legislative, executive, and judicial branches operate and the current governing challenges facing the national government in the United States.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 4 hrs.

### **PSCI 352 - Water Politics**

Units: 4  
Water-related political and legal issues. Emphasis on conflict and cooperation in the distribution and allocation of water resources. May focus on local, state, regional, national and/or international issues.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Related  
Weekly: Lecture 4 hrs.

### **PSCI 354 - Media and Public Opinion**

Units: 4  
This course focuses on how media and strategic communication shape public opinion and political outcome.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 4 hrs.

### **PSCI 358 - Political Advocacy**

Units: 4  
This course addresses the role of individual and group political actors such as interest groups, political parties, and social movements in the US political system and how each advocates for political change.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 4 hrs.

### **PSCI 360 - Political Economy**

Units: 4  
Examination of the politics of economic actors, decision making, policies, and issues at local, national and/or international levels. Focus may vary with instructor.  
Division: Upper Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Related  
Weekly: Lecture 4 hrs.

### **PSCI 364 - Technology and Development**

Units: 4  
Political and social role of technology in Third World development. Relation to theories and concepts, such as science, democracy and inequality, and to actors, such as women and farmers.  
Division: Upper Division  
Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis  
Sustainability: Sustainability Focused  
Weekly: Lecture 4 hrs.

### **PSCI 365 - Political Ecology**

Units: 4  
Cross-listed with: GEOG 365  
Combines elements of human ecology and political economy to examine environmental degradation, conflict and conservation. Examines social movements.  
Division: Upper Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Focused  
Weekly: Lecture 4 hrs.

### **PSCI 371 - Experiential Workshop**

Units: 1-4  
Participation in and reflection on academic or professional conferences or other experiential learning activities.  
Division: Upper Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: Zero Cost Course Materials  
Weekly: Tutorial hrs TBD

### **PSCI 373 - Politics of Sustainability**

Units: 4  
Examine diverse views of concepts such as democracy, liberty, justice, and nature as a response to political challenges of sustainability and unsustainability. Role of states, technology, markets, and culture.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Focused  
Weekly: Lecture 4 hrs.

### **PSCI 376 - Multilateralism and the United Nations System**

Units: 2  
The dynamics of multilateral diplomacy and international relations with an emphasis on the United Nations and its subsidiary and ancillary organizations.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: Zero Cost Course Materials  
Weekly: Seminar 2 hrs.

### **PSCI 377 - Model United Nations**

Units: 1  
Delegate preparation for and participation in intercollegiate Model UN, emphasizing the art of lobbying, negotiation, bargaining, and international diplomacy.  
Division: Upper Division  
Requisites: Pre-requisite: PSCI 376.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: Zero Cost Course Materials  
Weekly: Tutorial hrs TBD

### **PSCI 381S - Community Leadership in Action**

Units: 1  
Facilitate involvement in Equity Arcata. Promote civic engagement, work towards racial equity in health, housing, education, and employment, and participate in creating a welcoming, safe, and inclusive campus and community for all.

Division: Upper Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Service learning course: Yes  
Weekly: Seminar 1 hr.

### **PSCI 387 - International Education Colloquium**

Units: 1  
Cross-listed with: ANTH 387, COMM 387, ECON 387, GEOG 387, HIST 387, INTL 387  
Earn credit by attending International Education Week events and participating in an online discussion forum. Mandatory pre-event meeting.  
Division: Upper Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Mandatory CR/NC  
Sustainability: Sustainability Related  
Zero cost course materials: Zero Cost Course Materials  
Weekly: Lecture 1 hr.

### **PSCI 410 - US Constitutional Law**

Units: 4  
Major Supreme Court cases reveal values in interpretation of laws. Powers of the nation, states, tribes and civil liberties and civil rights. Meets requirement in "US Constitution and California state and local government" established by California legislature.  
Division: Upper Division  
Requisites: Pre-requisite: PSCI 110 or PSCI 159.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
All University Requirements: Amer Inst: Constitution ONLY, American Inst: State/Local Government ONLY  
Weekly: Lecture 4 hrs.

### **PSCI 412 - Legal Research**

Units: 4  
Principles and research procedures in California/federal case law, statutory law, and codes. Computerized legal research; legal citation and writing.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 4 hrs.

### **PSCI 413 - Moot Court**

Units: 3  
Students will learn and prepare appellate arguments in two-person teams for hypothetical cases to be argued in front of the U.S. Supreme Court.  
Division: Upper Division  
Requisites: Pre-requisite: PSCI 410 or PSCI 412 and junior standing or greater.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 3 hrs.

### **PSCI 441 - International Law**

Units: 4  
Its nature and substance. Legal history: cases, treaties, and other international documents.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs. Tutorial hrs TBD

### **PSCI 480 - Seminar in Political Science**

Units: 4

Topics in political theory, international relations, American politics, or comparative politics.

Division: Upper Division

Requisites: Pre-requisite: upper division standing or IA.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 4 hrs.

### **PSCI 482 - Internship**

Units: 3

Field observation; placement in a public or private nonprofit agency.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: Instructor Consent Required

Grading mode: Optional Grade Basis

Academic internship course: Yes

Weekly: Tutorial hrs TBD

### **PSCI 485 - Capstone Seminar in Politics**

Units: 4

Seminar topic varies each semester. Format emphasizes critical analysis, class presentations, and a substantial research paper.

Integration of concepts and skills from previous courses in the major.

Division: Upper Division

Requisites: Pre-requisite: PSCI 220, PSCI 230, PSCI 240, PSCI 295.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 3 hrs. Tutorial hrs TBD

### **PSCI 491 - Mentoring**

Units: 1-4

Advanced majors gain experience as teaching assistants working with a diverse body of students.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: Instructor Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: Zero Cost Course Materials

Weekly: Supervision hrs TBD

### **PSCI 495 - Field Research**

Units: 1-4

Field investigation of current phenomena, including issues and political behavior.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: Zero Cost Course Materials

Weekly: Seminar hrs TBD

### **PSCI 499 - Directed Study**

Units: 1-4

Selected problems. Open to advanced students with Instructor Approval.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: Zero Cost Course Materials

Weekly: Supervision hrs TBD

### **PSCI 680 - Special Topics**

Units: 3

Intensive study of selected ideas, movements, policy, or institutions.

Division: Graduate

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 3 hrs.

### **PSCI 690 - Master's Thesis**

Units: 1-6

For approved candidates for MA in social science wishing to pursue study in political science.

Division: Graduate

Repeats: Repeatable for Credit

Permission to enroll: Department Consent Required

Grading mode: Optional Grade Basis

Weekly: Supervision hrs TBD

### **PSCI 695 - Field Research**

Units: 1-3

Field investigation of current phenomena, including issues and political behavior.

Division: Graduate

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Supervision hrs TBD

### **PSCI 699 - Independent Study**

Units: 1-4

Selected problems. Open to grad students with Instructor Approval.

Division: Graduate

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Supervision hrs TBD

## **Psychology**

### **PSYC 100 - Psychology of Critical Thinking**

Units: 3

Examines logical errors and cognitive distortions; analysis of argument and persuasion techniques; how to evaluate the reliability of information sources; development of critical thinking and scientific reasoning regarding human behavior.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE A3: Critical Thinking

Weekly: Lecture 3 hrs.

### **PSYC 104 - Introduction to Psychology**

Units: 3

Overview of core content such as neuroscience, learning, human development, research methods, psychological disorders/treatments, social influences on behavior. Participation in research studies required. Prerequisite for all other PSYC courses.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE D: Social Sciences

Weekly: Lecture 2 hrs. Seminar 1 hr.

### **PSYC 109 - Introduction to Psychological Statistics**

Units: 4

Descriptive/inferential methods for analyzing data. Descriptive statistics; normal distributions; elementary probability; bivariate correlation and regression; hypothesis testing for comparing independent and paired groups. Labs: computer statistical programs; problem solving.

Division: Lower Division

Requisites: Pre-requisite: (Math placement category I, II or III) or

(Math placement category IV and co-requisite PSYC 198). PSYC 198 is

recommended for students in Math Placement Category III.)  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE B4: Mathematical Reasoning  
Weekly: Lecture 3 hrs. Activity 2 hrs.

### **PSYC 198 - Supplemental Instruction**

Units: 1  
Collaborative work for students enrolled in introductory psychological statistics.  
Division: Lower Division  
Requisites: Co-requisite: PSYC 109  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Mandatory CR/NC  
Zero cost course materials: No Course Materials Required  
Weekly: Tutorial 2 hrs.

### **PSYC 240 - Foundations of Research Methods in Psychology**

Units: 3  
Provides an overview of research methods (descriptive, correlational, experimental) used in psychology, and focuses on increasing student understanding of published research. APA style for writing papers is presented.  
Division: Lower Division  
Requisites: Pre-requisite: PSYC 104 with a grade of C- or higher and PSYC 109 (may be taken concurrently)  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs.

### **PSYC 300 - Psychology of Gender**

Units: 3  
Explorations of research and theory regarding biological, individual, social, and cultural influences on the development and expression of gender, gender roles, and identity; also examines power and privilege.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE UD Area D: Social Sciences  
All University Requirements: DCG: Domestic  
Weekly: Lecture 3 hrs.

### **PSYC 302 - Psychology of Prejudice**

Units: 3  
How it is expressed, its causes, consequences, and approaches for reducing it. Multicultural and diversity issues.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE UD Area D: Social Sciences  
All University Requirements: DCG: Domestic  
Weekly: Lecture 3 hrs.

### **PSYC 303 - Family Relations in Contemporary Society**

Units: 3  
Psychological aspects. Dating, love; parent/child and couple relations; causes/effects of divorce; solutions to family difficulties. This course will be discontinued, effective Spring 2023.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE UD Area D: Social Sciences  
Weekly: Lecture 3 hrs.

### **PSYC 306 - Health Psychology**

Units: 3  
Examines the biological, social, cultural, and psychological factors (and their interactions) that contribute to health and wellness. Also examines

evidence-based interventions for health promotion and behavior change.  
Division: Upper Division  
Requisites: Pre-requisite: junior standing or higher.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE UD Area D: Social Sciences  
Weekly: Lecture 3 hrs.

### **PSYC 311 - Developmental Psychology**

Units: 3  
Overview of developmental changes across the human life span: conception through adulthood. Relevant psychological theories, research literature.  
Division: Upper Division  
Requisites: Pre-requisite: PSYC 240  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: Zero Cost Course Materials  
Weekly: Lecture 3 hrs.

### **PSYC 320 - Behavior Analysis**

Units: 4  
Experimental and applied analysis of behavior, behavior change processes, and practical applications in behavior modification and therapy. Structured observations and analysis of animal and human behavior.  
Division: Upper Division  
Requisites: Pre-requisite: PSYC 240  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs. Activity 2 hrs.

### **PSYC 321 - Intro Behavioral Neuroscience**

Units: 3  
How brain, spinal cord, peripheral nervous system, hormones, and genetics affect behavior. Biochemistry, neuroanatomy, and neurophysiology information supplied in class, so specific background in these subjects not required.  
Division: Upper Division  
Requisites: Pre-requisite: PSYC 104 with a grade of C- or higher.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs.

### **PSYC 322 - Learning and Motivation**

Units: 3  
Principles, concepts, and theoretical issues: reinforcement, extinction, punishment, transfer of training.  
Division: Upper Division  
Requisites: Pre-requisite: PSYC 240  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs.

### **PSYC 323 - Sensation and Perception**

Units: 3  
Role of senses in acquiring information. Integrating sensory processes to form perceptual representations of the environment.  
Division: Upper Division  
Requisites: Pre-requisite: PSYC 240  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs.

### **PSYC 324 - Cognitive Psychology**

Units: 3  
Acquisition, organization, use of knowledge. Attention, memory, problem solving, decision making, language, consciousness.  
Division: Upper Division

Requisites: Pre-requisite: PSYC 240  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs.

### **PSYC 325 - Advanced Behavioral Neuroscience**

Units: 4  
Cross-listed with: ZOOL 325  
Principles of behavioral neuroscience are reviewed, and then selected topics are covered in detail through lectures and reading original research articles. Required labs provide hands-on experience.  
Division: Upper Division  
Requisites: Pre-requisite: PSYC 240 or PSYC 321 or BIOL 350 or ZOOL 310.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs. Activity 2 hrs.

### **PSYC 335 - Social Psychology**

Units: 3  
Examines how people's cognitions, attitudes, and behaviors are influenced by the actual, imagined, or implied presence of others; focus on group processes, intergroup relations, culture, and socialization.  
Division: Upper Division  
Requisites: Pre-requisite: PSYC 240  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs.

### **PSYC 336 - Social Influence and Persuasion**

Units: 3  
Examines the processes involved in social change, conversion and true persuasion, and compliance, by focusing on the role of both the collective and the individual; exploration of theories and research.  
Division: Upper Division  
Requisites: Pre-requisite: PSYC 104 with a grade of C- or higher.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs.

### **PSYC 337 - Personality Theory and Research**

Units: 3  
Psychoanalysis, behaviorism, humanistic psychology. Research implications, practical application, critical evaluation.  
Division: Upper Division  
Requisites: Pre-requisite: PSYC 240  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs.

### **PSYC 338 - Abnormal Psychology**

Units: 3  
Major psychological disorders: anxiety disorders (neuroses), psychoses, and conduct disturbances. Theoretical/empirical analyses.  
Division: Upper Division  
Requisites: Pre-requisite: PSYC 240  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs.

### **PSYC 342 - Application of Research Methods in Psychology**

Units: 4  
Learn about the application of the different types of research design and methods used in the field of Psychology. Learn how to consider ethics, hypothesis development, study design, data collection, data analysis, interpretation of results, and dissemination of research.  
Division: Upper Division  
Requisites: Pre-requisites: PSYC 104, (PSYC 109, STAT 108 or STAT 109), PSYC 240, GE Area A: Written Communication and junior

standing or above.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs. Activity 2 hrs.

### **PSYC 345L - Psychological Tests and Measurement**

Units: 4  
Principles of applied psychological measurement, including item analysis, reliability, validity, and test construction; ethical issues in the use of psychological tests, and procedures for the evaluation of psychological measures. course includes an applied lab in the construction of psychological measures.  
Division: Upper Division  
Requisites: Pre-requisite: PSYC 240 with a grade of C- or higher.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs. Activity 2 hrs.

### **PSYC 411 - Social Neuroscience**

Units: 3  
Co-listed with: PSYC 511  
Overview of evolutionary origins and brain mechanisms of social behavior, research methods, and societal implications of neurophilosophy. Exams and assignments evaluate knowledge and skills development.  
Division: Upper Division  
Requisites: Pre-requisite: PSYC 240 and (PSYC 321 or BIOL 104 or BIOL 105). Recommended preparation: PSYC 325 and PSYC 335.  
Permission to enroll: No Special Consent Required  
Grading mode: Mandatory Letter Grade  
Weekly: Lecture 3 hrs.

### **PSYC 414 - Psychology of Adolescence and Young Adulthood**

Units: 3  
Physical, cognitive, social, and emotional development. Personality, relationship, education, and work issues from developmental perspective.  
Division: Upper Division  
Requisites: Pre-requisite: PSYC 311 (C) or IA.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs.

### **PSYC 415 - Psychology of Aging and Older Adulthood**

Units: 3  
Covers changing U.S. demographics, how biological, social, and cultural contexts interact to influence the behavior of older adults (ages 65), theories of aging and longevity, and psychopathology.  
Division: Upper Division  
Requisites: Pre-requisite: PSYC 240  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs.

### **PSYC 418 - Developmental Psychopathology**

Units: 3  
Developmental, social, behavioral, and emotional problems of children and adolescents are explored in relation to normal developmental milestones. Introduction to theories and research in the field of developmental psychopathology.  
Division: Upper Division  
Requisites: Pre-requisite: PSYC 311 (C) or IA.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs.

### **PSYC 419 - Family Violence**

Units: 3  
Explores forms of family violence, including domestic violence, child

abuse, elder abuse, and animal cruelty. Theories explaining physical, sexual, and emotional violence, as well as successful prevention and intervention programs. This course will be discontinued, effective Spring 2023.

Division: Upper Division

Requisites: Pre-requisite: PSYC 104 with a grade of C- or higher.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 3 hrs.

### **PSYC 436 - Human Sexuality**

Units: 3

Cross-listed with: WS 436

Physiological, psychological, and sociological aspects of human sexual behavior. Topics include conception, contraception, attitudes, orientation, and behaviors. Interdisciplinary approaches as appropriate.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 3 hrs.

### **PSYC 454 - Interviewing and Counseling Techniques**

Units: 3

Discuss different theoretical & evidence-based approaches to counseling with supervised practice, including video feedback sessions.

Division: Upper Division

Requisites: Pre-requisite: upper division PSYC major or IA.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 3 hrs.

### **PSYC 473 - Substance Use and Addiction**

Units: 3

Why people use and misuse drugs. Biological, psychological, social, and therapeutic aspects.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 3 hrs.

### **PSYC 478 - Analysis of Variance**

Units: 4

Co-listed with: PSYC 578

Topics include between and within subjects ANOVA, mixed model ANOVA, and test assumptions.

Division: Upper Division

Requisites: Pre-requisite: PSYC 109 or equivalent.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 3 hrs. Activity 2 hrs.

### **PSYC 480 - Selected Topics in Psychology**

Units: 0.5-3

Topic/problem from theoretical, experimental, or applied psychology.

Division: Upper Division

Requisites: Pre-requisite: PSYC 104.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar hrs TBD

### **PSYC 484 - Culture and Diversity in Psychology**

Units: 3

Examines the intersectionality of culture, race, ethnicity, and diversity in the field of psychology. Focuses on how issues of culture and diversity relate to the interpretation and perception of people's experience/beliefs/values as well as how to apply this information in the field of psychology overall.

Division: Upper Division

Requisites: Pre-requisites: PSYC 104, PSYC 240 and junior standing or higher.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 3 hrs.

### **PSYC 486 - History and Systems of Psychology**

Units: 3

History of psychology explored through a multidisciplinary lens, focusing on the evolution of science and thought in diverse cultures in relation to other sciences; research methods; interpretation of empirical data.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 3 hrs.

### **PSYC 487 - Evolutionary Psychology**

Units: 3

A general overview of how human behavior and psychology has been shaped by natural selection through eons of evolution.

Division: Upper Division

Requisites: Pre-requisite: PSYC 321 (C) or PSYC 325 (C) or BIOL 105 (C); all with grades of C- or higher.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Related

Weekly: Lecture 3 hrs.

### **PSYC 488 - Regression/Multivariate Topics**

Units: 4

Co-listed with: PSYC 588

Topics include multiple regression, moderated regression, logistic regression, time series, and factor analysis.

Division: Upper Division

Requisites: Pre-requisite: PSYC 109.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 3 hrs. Activity 2 hrs.

### **PSYC 489S - Community Psychology**

Units: 3

Overview of ecological, multicultural, and intersectional theories in understanding applied psychology with a focus on community interventions. This course includes a service placement at a local community organization.

Division: Upper Division

Requisites: Pre-requisite: PSYC 240 and junior standing or higher.

Permission to enroll: No Special Consent Required

Grading mode: Mandatory Letter Grade

Service learning course: Yes

Weekly: Lecture 3 hrs.

### **PSYC 490 - Senior Honors Thesis**

Units: 3

Advanced majors design a cumulating experience that involves independent research while working under the supervision of a faculty member.

Division: Upper Division

Requisites: Pre-requisites: (PSYC 109, STAT 108, STAT 108I, or STAT 109) and PSYC 342.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Supervision hrs TBD

### **PSYC 495 - Research Practicum in Psychology**

Units: 1-4

Individual investigation culminates in formal report complying with department standards.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: Instructor Consent Required

Grading mode: Mandatory CR/NC

Zero cost course materials: No Course Materials Required

Weekly: Supervision hrs TBD

### **PSYC 497 - Mentoring in Teaching Psychology**

Units: 1-3

Advanced majors gain experience as mentors working with a diverse body of students. Learn and participate in pedagogical theory and processes as applied to university level classes.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: Instructor Consent Required

Grading mode: Mandatory CR/NC

Zero cost course materials: No Course Materials Required

Weekly: Supervision hrs TBD

### **PSYC 499 - Independent Study**

Units: 1-3

On a tutorial basis, pursue area of interest not covered by regular course offerings.

Division: Upper Division

Requisites: Pre-requisite: six upper division units in psychology and IA.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Supervision hrs TBD

### **PSYC 511 - Advanced Social Neuroscience**

Units: 3

Co-listed with: PSYC 411

Covers biological and evolutionary mechanisms of social behavior, social neuroscience research methods, and neurophilosophy.

Knowledge and skills development evaluated with exams, assignments, and presentations. Meets and synergizes with undergraduate section.

Division: Graduate

Requisites: Prerequisites: PSYC 240 and PSYC 321. Recommended preparation: PSYC 335

Permission to enroll: No Special Consent Required

Grading mode: Mandatory Letter Grade

Weekly: Lecture 3 hrs.

### **PSYC 518 - Advanced Developmental Psychopathology**

Units: 3

Advanced coverage of psychological problems in children and adolescents with particular focus on evidence-based practices.

Contemporary research on assessment, treatment, prevention, and intervention are key areas of exploration.

Division: Graduate

Requisites: Pre-requisite: PSYC 311 with a grade of C or higher.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 3 hrs.

### **PSYC 545 - Psychological Testing**

Units: 4

Testing concepts: reliability, validity, standardization, and score interpretation. Apply to current standardized tests of intelligence, aptitude, achievement, personality.

Division: Graduate

Requisites: Pre-requisite: PSYC 109 or IA.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 3 hrs. Activity 2 hrs.

### **PSYC 550 - Introduction to Institutional Research**

Units: 4

This course is an introduction into the field of Institutional Research. It is for students who wish to pursue or explore an IR career.

Division: Graduate

Requisites: Pre-requisite: graduate standing, SOC 583 (C) or PSYC 641 (C) or IA.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 4 hrs.

### **PSYC 551 - Applied Research**

Units: 4

This course will emphasize research methodology that is relevant to the field of IR.

Division: Graduate

Requisites: Pre-requisite: graduate standing, PSYC 550.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 4 hrs.

### **PSYC 552 - Diversity in Research**

Units: 4

This course will emphasize primary data collection that is relevant to the field of IR.

Division: Graduate

Requisites: Pre-requisite: graduate standing, PSYC 551.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 4 hrs.

### **PSYC 578 - Analysis of Variance**

Units: 4

Co-listed with: PSYC 478

Topics include between and within subjects ANOVA, mixed model ANOVA, and test assumptions.

Division: Graduate

Requisites: Pre-requisite: PSYC 109 or equivalent.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 3 hrs. Activity 2 hrs.

### **PSYC 588 - Regression/Multivariate Topics**

Units: 4

Co-listed with: PSYC 488

Topics include multiple regression, moderated regression, logistic regression, time series, and factor analysis.

Division: Graduate

Requisites: Pre-requisite: PSYC 109.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 3 hrs. Activity 2 hrs.

### **PSYC 605 - Psychological Foundations/School Psychology**

Units: 3

Comprehensive study of school psychological services and public schools from a psychological perspective. Emphasis on theories of prevention, developmental psychopathology, models of data-based decision making, psychological approaches to intervention.

Division: Graduate

Requisites: Pre-requisite: good standing in School Psychology program.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 3 hrs.

### **PSYC 606 - Educational Foundations/School Psychology**



Units: 2

Orientation to schooling, and the practice of school psychology. Focus on understanding professional roles, curriculum and standards, school environments (social and political), needs of students from diverse backgrounds, working with parents.

Division: Graduate

Requisites: Pre-requisite: good standing in School Psychology program.

Co-requisite: PSYC 783.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 2 hrs.

### **PSYC 607 - Consultation/Collaboration**

Units: 2

Small group seminar to assist graduate students acquire professional skills related to the practice of school psychology. Emphasis on theories and methods of consultation, collaboration and indirect service delivery in schools.

Division: Graduate

Requisites: Pre-requisite: PSYC 606 and good standing in School Psychology program. Co-requisite: PSYC 783.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 2 hrs.

### **PSYC 608 - Advanced Assessment/Case Presentation**

Units: 2

Seminar in advanced assessment of school-aged children. Emphasis on integrating assessment data from multiple perspectives, low incidence disabilities, assessment of students with limited English proficiency, supervision, and integration of scientific knowledge into practice.

Division: Graduate

Requisites: Pre-requisite: PSYC 607, PSYC 617, good standing in School Psychology program. Co-requisite: PSYC 783.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 2 hrs.

### **PSYC 616 - Cognitive Assessment I Cognitive/ Biological Bases of Behavior**

Units: 3

Theories, methods and techniques for understanding and assessing cognitive development and intelligence. Supervised practice in test administration, scoring and interpretation.

Division: Graduate

Requisites: Pre-requisite: good standing in School Psychology Program or IA.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Clinical 2 hrs. Activity 2 hrs.

### **PSYC 617 - Cognitive Assessment II Cognitive/ Biological Bases of Behavior**

Units: 3

Continuation of PSYC 616. Study of major theories and methods of cognitive and neuropsychological assessment. Supervised practice in test administration, scoring, interpretation and integration of finding in reports and presentations.

Division: Graduate

Requisites: Pre-requisite: PSYC 616 and good standing in School Psychology program, or IA.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Clinical 2 hrs. Activity 2 hrs.

### **PSYC 622 - Advanced Learning and Behavior Analysis**

Units: 3

A natural science approach to the assessment and treatment of behavior. The concepts, principles, and procedures of behavior analysis will be reviewed, along with the application of those principles to socially significant problems. Data collection strategies, methodologies to systematically evaluate behavior, and practical considerations when implementing treatments will be discussed.

Division: Graduate

Requisites: Prerequisite: PSYC 322

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 3 hrs.

### **PSYC 625 - Advanced Psychobiology**

Units: 3

Empirical/ theoretical approaches to topics in brain research and other physiological, neurological, or biochemical processes at the base of human behavior. Topics vary.

Division: Graduate

Requisites: Pre-requisite: PSYC 325 or IA.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 3 hrs.

### **PSYC 632 - Advanced Developmental Psychology**

Units: 3

Uses primary sources in a discussion based format to examine the evolution of the field as well as current trends and controversies in developmental theories and research across the lifespan. PSYC 311 with grade of C or better.

Division: Graduate

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 3 hrs.

### **PSYC 635 - Advanced Social Psychology**

Units: 3

Emphasis: contemporary developments. Topics vary.

Division: Graduate

Requisites: Pre-requisite: PSYC 335 or IA.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Seminar 3 hrs.

### **PSYC 636 - Sexuality Counseling**

Units: 1

Psychological, physical, social, and clinical aspects of human sexuality designed to meet California state requirements for licensure as an MFT.

Division: Graduate

Requisites: Pre-requisite: good standing in Psychology M.A.

Counseling Psychology or School Psychology programs, or Instructor Approval.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 1 hr.

### **PSYC 638 - Diagnosis of Mental Disorders**

Units: 3

Major diagnoses of psychological disorders, strengths and weaknesses of diagnostic systems, research on origin and course of pathological outcomes, and strategies for identifying, diagnosing, and formulating treatment of psychological disorders.

Division: Graduate

Requisites: Pre-requisite: Good standing in Psychology M.A. program.

Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 3 hrs.

### **PSYC 640 - Aging and Long-Term Care**

Units: 1  
Biological, social, cognitive, and psychological aspects of aging including long-term care, end of life, and grief.  
Division: Graduate  
Requisites: Pre-requisite: good standing in Psychology M.A. Counseling Psychology or Academic Research Concentrations.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 1 hr.

### **PSYC 641 - Research Methods: Philosophy and Design**

Units: 3  
Epistemological foundations of research methods applicable to experimental, clinical/ counseling, and applied psychology. Practical research problems: design, sampling, and control.  
Division: Graduate  
Requisites: Pre-requisite: PSYC 109  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 2 hrs. Activity 2 hrs.

### **PSYC 642 - Research Methods: Evaluation**

Units: 2  
Continues PSYC 641. Apply research design to individual projects, culminating master's thesis, project or portfolio proposal. Research ethics; APA style.  
Division: Graduate  
Requisites: Pre-requisite: PSYC 641.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 2 hrs.

### **PSYC 647 - Academic Research Proseminar**

Units: 3  
This course provides graduate students with a critical discussion of professional development issues and the foundations of behavioral research and methods used in psychology.  
Division: Graduate  
Requisites: Pre-requisite: admission to AR M.A., or IA.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Seminar 3 hrs.

### **PSYC 651 - Diagnosis and Treatment of Children for the School Psychologist I - Cognitive and Academic Difficulties**

Units: 3  
Theoretical and professional issues in evaluating/treating children with cognitive or academic difficulties. Assessment practices; diagnostic skills; intervention theory.  
Division: Graduate  
Requisites: Pre-requisite: PSYC 616, IA, good standing in School Psychology program.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 2 hrs. Activity 2 hrs.

### **PSYC 652 - Diagnosis and Treatment of Children for the School Psychologist II - Social, Emotional and Behavioral Problems**

Units: 3  
Continues PSYC 651, but for social, emotional, or behavioral problems.

Division: Graduate  
Requisites: Pre-requisite: PSYC 617, PSYC 651, IA, good standing in School Psychology program.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 2 hrs. Activity 2 hrs.

### **PSYC 653 - Advanced Psychotherapy with Children and Families**

Units: 3  
Psychotherapy models and interventions for working with children and families, presented using developmental and ecosystemic frameworks. Topics include family, play, psychodynamic and cognitive-behavioral therapies.  
Division: Graduate  
Requisites: Pre-requisite: Pre-requisite: good standing in Psychology M.A. Counseling Psychology or School Psychology concentrations.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 3 hrs.

### **PSYC 654 - Interviewing and Counseling Techniques**

Units: 3  
Exposure to theory-based counseling techniques. Supervised practice, including video or audio taping, feedback sessions. Research findings about effectiveness.  
Division: Graduate  
Requisites: Pre-requisite: good standing in Psychology M.A. School Psychology or Counseling Psychology concentrations.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 2 hrs. Activity 2 hrs.

### **PSYC 655 - Social-Behavioral Evaluation**

Units: 3  
Evaluation of social-emotional, and behavioral competence in children. Techniques, empirical findings and ethical considerations in using empirical tools and behavior analysis for intervention planning regarding child behavior and school environments.  
Division: Graduate  
Requisites: Pre-requisite: PSYC 320 and good standing in School Psychology program, or IA.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 3 hrs.

### **PSYC 656 - Couples Therapy**

Units: 3  
Introduction to marital/couple therapy: major theories of relationship counseling and therapy, assessment techniques, domestic violence, ethics. Emphasis on experiential learning and demonstration of marital/couple counseling.  
Division: Graduate  
Requisites: Pre-requisite: PSYC 654 (C) and good standing in Counseling Psychology program, or IA.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 3 hrs.

### **PSYC 657 - Group Counseling and Group Psychotherapy**

Units: 3  
Theories and principles in group counseling. Develop group therapy leadership skills.  
Division: Graduate  
Requisites: Pre-requisite: good standing in Counseling Psychology program, or IA.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 3 hrs.

**PSYC 658 - Theories of Individual Counseling and Psychotherapy**

Units: 3

Introduction to major theories in counseling. Focus on theory, application of techniques to clinical practice, and empirical validation.

Division: Graduate

Requisites: Pre-requisite: graduate standing.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 3 hrs.

**PSYC 659 - Mental Health in K-12 Schools**

Units: 3

Theories and methods for development of mental health interventions for children in school settings. Primary prevention, collaboration with social service agencies, state and federal legal mandates, mental health financing.

Division: Graduate

Requisites: Pre-requisite: PSYC 654 with a grade of B- or higher, PSYC 783 (C), good standing in School Psychology program; or IA.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 3 hrs.

**PSYC 660 - Law and Ethics in Psychology**

Units: 3

Ethics and California law applicable to the counseling profession.

Division: Graduate

Requisites: Pre-requisite: admitted to Counseling Psychology program, or IA.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 3 hrs.

**PSYC 662 - Practicum Preparation**

Units: 1

Seminar approach to various clinical issues regarding practicum placement. May include case study, skill enhancement exercises.

Division: Graduate

Requisites: Pre-requisite: good standing in Counseling Psychology program, or IA.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 1 hr.

**PSYC 663 - Licensed Supervision**

Units: 1

Two hrs of group clinical supervision (or 1 hr individually) by a licensed professional for up to 5 client contact hrs per week. Additional contact hrs need an additional unit of supervision.

Division: Graduate

Requisites: Pre-requisite: good standing in Counseling Psychology program and at least one semester of full-time coursework. Co-requisite: PSYC 682.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Activity 2 hrs.

**PSYC 664 - Assessment and Testing for Psychotherapists**

Units: 3

Overview of formal psychological testing and assessment, administering tests within the boundaries of competence, and writing psychological assessment reports.

Division: Graduate

Requisites: Pre-requisite: graduate standing.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 3 hrs.

**PSYC 667 - Ethics and Professionalism in Behavior Analysis**

Units: 3

Ethics guidelines addressing a range of issues including, but not limited to the practice of psychology, the conduct of research, and interactions with the public and with colleagues.

Division: Graduate

Requisites: Pre-requisites: good standing in Psychology MA: Academic Research concentration

Permission to enroll: No Special Consent Required

Grading mode: Mandatory Letter Grade

Weekly: Lecture 3 hrs.

**PSYC 669 - Legal and Ethical Foundations in School Psychology**

Units: 3

Studies of laws pertaining to students civil rights, special and general education, parent/child rights, child neglect and abuse reporting, confidentiality and their impact on school policy, climate, the student, family and community.

Division: Graduate

Requisites: Pre-requisite: good standing in School Psychology program.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 3 hrs.

**PSYC 672 - Psychopharmacology**

Units: 3

This course will focus on the clinical application of psychotropic medications in the treatment of psychiatric disorders.

Pharmacodynamics and pharmacokinetics of all major classes of medications will be covered.

Division: Graduate

Requisites: Pre-requisite: PSYC 321 and PSYC 325, or IA. Student must be admitted to graduate program in Counseling Psychology or Academic Research or School Psychology to enroll in PSYC 672.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 3 hrs.

**PSYC 673 - Mental Health Addiction and Recovery**

Units: 1

Overview of drug abuse and co-occurring disorders including assessment, prevention, treatment, recovery, and social-cultural dimensions.

Division: Graduate

Requisites: Pre-requisite: graduate standing.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 1 hr.

**PSYC 674 - Philosophy of Behaviorism**

Units: 3

Students read a sample of B.F. Skinner's writings, including those that were important in providing the theoretical and conceptual foundations of radical behaviorism, and writings by other authors discussing theoretical issues surrounding this approach.

Division: Graduate

Requisites: Pre-requisites: Graduate standing

Permission to enroll: No Special Consent Required

Grading mode: Mandatory Letter Grade

Weekly: Seminar 3 hrs.

**PSYC 675 - Single-Case Research Design**

Units: 3

Students will be introduced to single-case research designs, a methodological approach that permits experimental investigation with one subject, and compliments more commonly used between-group design strategies.

Division: Graduate

Requisites: Pre-requisite: senior or graduate standing  
Permission to enroll: No Special Consent Required  
Grading mode: Mandatory Letter Grade  
Weekly: Seminar 3 hrs.

### **PSYC 676 - Multicultural Counseling**

Units: 3

Training in theories, research and counseling strategies in multicultural psychology. Development of multicultural counseling skills, including self-awareness and the impact of bias, oppression and privilege on mental health and counseling.

Division: Graduate

Requisites: Pre-requisite: PSYC 654 (C) and good standing in a Psychology M.A. program.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 3 hrs.

### **PSYC 680 - Selected Topics in Contemporary Psychology**

Units: 0.5-3

Review current literature. Read, critique, present in class.

Division: Graduate

Repeats: Repeatable for Credit

Permission to enroll: Instructor Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar hrs TBD

### **PSYC 682 - Fieldwork**

Units: 1-6

Supervised practicum experience in specific settings to meet CA PPS requirements.

Division: Graduate

Requisites: Pre-requisite: Good standing in Psychology M.A.

Counseling Psychology Concentration.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Supervision hrs TBD

### **PSYC 683 - Graduate Teaching Assistantship**

Units: 1-4

Students planning a teaching career assist in conducting a class under instructor supervision.

Division: Graduate

Repeats: Repeatable for Credit

Permission to enroll: Instructor Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Supervision hrs TBD

### **PSYC 684 - Graduate Teaching Internship**

Units: 1-6

Students planning a teaching career co-teach a college course with faculty observation and guidance.

Division: Graduate

Requisites: Pre-requisite: PSYC 683 with a grade of B- or higher and IA.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Academic internship course: Yes

Weekly: Supervision hrs TBD

### **PSYC 690 - Thesis**

Units: 1-6

Guided investigation of research problem culminates in formal report in compliance with Cal Poly Humboldt standards.

Division: Graduate

Requisites: Pre-requisite: graduate standing.

Repeats: Repeatable for Credit

Permission to enroll: Instructor Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Supervision hrs TBD

### **PSYC 691 - Comprehensive Exam for Counselors**

Units: 0

Students have the option of taking the comprehensive exam or completing a thesis. The exam will consist of multiple choice and essay questions that cover the 10 major domains of the M.A. In Psychology: Counselling program.

Division: Graduate

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Tutorial hrs TBD

### **PSYC 692 - School Psychology Portfolio Project**

Units: 1-3

School psychology portfolio constructed under supervision of program faculty. Formative evaluation during training, summative evaluation prior to earning M.A. degree.

Division: Graduate

Requisites: Pre-requisite: PSYC 641, PSYC 642 (C), consent of School Psychology Committee.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Supervision hrs TBD

### **PSYC 693 - Comprehensive Exam: School Psychology**

Units: 0

Comprehensive exam for the master's degree in school psychology. Rec. Completion of 86 units of approved graduate program coursework in school psychology.

Division: Graduate

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Mandatory CR/NC

Zero cost course materials: No Course Materials Required

Weekly: Tutorial hrs TBD

### **PSYC 694 - Independent Study**

Units: 1-6

On a tutorial basis, pursue area of interest not covered by regular course offerings.

Division: Graduate

Repeats: Repeatable for Credit

Permission to enroll: Instructor Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Supervision hrs TBD

### **PSYC 695 - Research Practicum**

Units: 1-6

Research under direction of staff on a tutorial basis. Group meetings to communicate findings of independent studies.

Division: Graduate

Requisites: Pre-requisite: 6 units of grad psychology and IA.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Supervision hrs TBD

### **PSYC 697 - Academic Advisement**

Units: 1-4

After training, students in academic research MA program advise psychology and undeclared undergraduate majors.

Division: Graduate

Repeats: Repeatable for Credit

Permission to enroll: Instructor Consent Required

Grading mode: Optional Grade Basis

Weekly: Supervision hrs TBD

### **PSYC 783 - School Psychology Practicum**

Units: 2-4

Comprehensive field experience in School Psychology. Practice in prevention, assessment, counseling, consultation, and other forms of indirect and direct intervention with pre-school, school-aged, and college-aged pupils, teachers and parents. Supervision by Cal Poly Humboldt faculty and district employed school psychologists.

Division: Credential/Licensure

Requisites: Pre-requisite: good standing in School Psychology program.

Co-requisite: PSYC 606 or PSYC 607 or PSYC 608.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Supervision hrs TBD

### **PSYC 784 - School Psychology Internship**

Units: 6-12

Culminating professional experience required to earn a California Credential authorizing practice as a School Psychologist. Designed to meet California and National standards for supervised experience in School Psychology. Supervision by Cal Poly Humboldt faculty and district employed school psychologists.

Division: Credential/Licensure

Requisites: Pre-requisite: MA in psychology with Internship Credential issued by the California Commission on Teacher Credentialing. Units must be completed within 2 calendar years.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Academic internship course: Yes

Weekly: Supervision hrs TBD

## **Rangeland Resource Science**

### **RRS 306 - Wildland Resource Principles**

Units: 3

Analysis of rangeland biophysical communities; management for sustainable human and environmental values; use by wild and domestic animals; historical and legal changes in rangeland management.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE UD Area B: Math & Science

Sustainability: Sustainability Focused

Weekly: Lecture 3 hrs.

### **RRS 360 - Wildland Plant Communities**

Units: 3

Delineation and synecology of important North American rangelands. Plant identification of important grasses, forbs, and shrubs.

Division: Upper Division

Requisites: Pre-requisite: BOT 350 (C) or IA.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **RRS 370 - Wildland Ecology Principles**

Units: 3

Interplay of ecological principles with species composition, distribution, disturbance responses, and management of grassland, woodland, and shrubland communities.

Division: Upper Division

Requisites: Pre-requisite: RRS 306 or IA.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Related

Weekly: Lecture 3 hrs.

### **RRS 375 - Vegetation Analysis and Health**

Units: 3

Vegetation and wildland health monitoring and analysis procedures. Observe and evaluate vegetation organization & structure. Interpret distinct ecological sites. Field demonstration and analytical work.

Division: Upper Division

Requisites: Pre-requisite: RRS 306, and STAT 109 or equivalent.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **RRS 420 - Introduction to Animal Science**

Units: 3

Characteristics, physiology, adaptation, and improvements of livestock breeds, animal welfare, feeding, grazing, and marketing.

Division: Upper Division

Requisites: Pre-requisite: BIOL 105 or ZOO 110; or IA.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Related

Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **RRS 430 - Wildland Restoration and Development**

Units: 3

Treatments, developments, and structures to improve rangeland ecosystems, services, and function. Ecological principles in ecosystem management and restoration.

Division: Upper Division

Requisites: Pre-requisite: RRS 306 or WLDF 301.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Related

Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **RRS 460 - Rangeland and Ranch Planning**

Units: 3

Develop management plan for livestock operation, resource management area, or federal rangeland allotment. Analyze economic programs including conservation easements and incentives, physical and biotic resources. Field trips substitute for scheduled lab time.

Division: Upper Division

Requisites: Pre-requisite: RRS 420 and RRS 430.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Focused

Weekly: Lecture 1 hr. Laboratory 6 hrs.

### **RRS 475 - Advanced Study of Rangeland Plants**

Units: 1

Identification and importance of range plants based on specialized morphological characteristics. Cal Poly Humboldt range-plant judging team selected from class.

Division: Upper Division

Requisites: Pre-requisite: BOT 350, BOT 354, and RRS 360; or

Instructor Approval

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Mandatory CR/NC  
Weekly: Laboratory 3 hrs.

### **RRS 492 - Senior Project**

Units: 3  
Independent research which will include fieldwork and completion of a scientific paper.  
Division: Upper Division  
Requisites: Pre-requisite: senior standing.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Supervision hrs TBD

### **RRS 499 - Directed Study**

Units: 1-3  
Original research on assigned topics. May involve lab, field, or library work.  
Division: Upper Division  
Requisites: Pre-requisite: RRS 306.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Supervision hrs TBD

### **RRS 685 - Rangeland Resources Graduate Seminar**

Units: 1  
Important problems/changes in RRS. Review literature to propose solutions.  
Division: Graduate  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 1 hr.

## **Recreation Administration**

Students injured while participating in a recreation administration class are not covered by any university insurance policy. Students are responsible for obtaining their own coverage through a private insurance agency or through the insurance plan of the Associated Students (University Center, south lounge). Students with disabilities are welcome in all recreation administration activity courses.

### **REC 100 - Leisure in Society**

Units: 3  
Explore leisure experiences, leisure professions and the effects of leisure on individual and community wellbeing. Examine the role of leisure in diverse communities. Develop knowledge of local leisure providers and activities, and develop leisure habits for increased personal wellbeing.  
Division: Lower Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE E: Lifelong Learning  
Weekly: Lecture 3 hrs.

### **REC 210 - Recreation Leadership**

Units: 3  
Leader's role in organization. Developing a program within organized youth groups.  
Division: Lower Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 2 hrs. Clinical 1 hr.

### **REC 220 - Leisure Programming**

Units: 3  
Theories, content, and design to serve community leisure needs.  
Division: Lower Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs.

### **REC 252 - Diving First Aid, Introduction to Cal Poly Humboldt Diving**

Units: 1  
NAUI First Aid, and Oxygen Provider training and certification. Recognition, prevention, and first aid treatment of diving emergencies. Cal Poly Humboldt medical evaluation for scuba diving, swim test, and basic scuba skills evaluation.  
Division: Lower Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Clinical 1 hr.

### **REC 262 - Beginning SCUBA**

Units: 4  
Diving physiology, physics, hyperbaric medicine, nearshore oceanography, gear selection and maintenance, accident management, dive planning. SCUBA certification upon successful completion.  
Division: Lower Division  
Requisites: Pre-requisite: REC 252.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs. Laboratory 3 hrs.

### **REC 302 - Inclusive Recreation**

Units: 3  
Focus on knowledge and attitudes necessary to make recreation accessible to people who have illnesses or disabling conditions. Includes examination of inequity and barriers to leisure, and strategies for inclusion.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE UD Area D: Social Sciences  
All University Requirements: DCG: Domestic  
Weekly: Lecture 3 hrs.

### **REC 315 - Travel Industry Management**

Units: 3  
This course provides a broad overview of the travel industry and the many participants in it. As the foundational course in the tourism management emphasis, students will develop a conceptual understanding of the tourism industry approaches and practices, as well as career opportunities. Students will explore management methods, goals, issues, and challenges through classroom and field experiences.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Mandatory Letter Grade  
Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **REC 320 - Organization, Administration and Facility Planning**

Units: 3  
Organization, administration and facility planning of recreation and kinesiology programs. Topics include: organizational structures, fiscal planning and budgets, risk management, personnel policies and issues, and public relations.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs.

### **REC 330 - Adventure Theory and Practice**

Units: 3

Leadership and facilitation skills, participant assessment considerations, instructional techniques, management considerations, and risk management practices for outdoor and adventure programming.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **REC 335 - Tourism Planning and Development**

Units: 3

Examines positive and negative tourism impacts, growth management, strategies and planning principles. Includes the development and implementation of tourism programs.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Related

Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **REC 345 - Environmental Education**

Units: 3

Experiential based course where students will develop and implement environmental education and outdoor recreation programs. Students will also assist in the administration of an environmental education center.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Related

Weekly: Lecture 2 hrs. Activity 2 hrs.

### **REC 362 - Master Diver**

Units: 4

NAUI Master Scuba Diver certification upon successful completion of course. Diver rescue, deep diving, night diving, search and recovery, altitude diving, navigational techniques, and introduction to scientific diving.

Division: Upper Division

Requisites: Pre-requisite: REC 252. SCUBA gear required.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 3 hrs. Laboratory 3 hrs.

### **REC 370 - Outdoor Leadership Foundations**

Units: 3

Technical, educational, and human knowledge and skills necessary to lead outdoor adventure programs. Focus is on planning and delivering of backpacking skills in a group setting, minimum impact practices, and safety implementations in a professional environment.

Division: Upper Division

Requisites: Pre-requisite: Recreation Administration majors, all other majors require instructor approval.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **REC 375 - Winter Wilderness Living**

Units: 2

Introduction to technical, educational, and human knowledge, and skills needed to safely practice and deliver overnight winter adventure recreation activities. Focus is on minimal impact practices and professional industry standards.

Division: Upper Division

Requisites: Pre-requisite: REC 370 (C).

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 1 hr. Laboratory 3 hrs.

### **REC 383 - Rescue Diver**

Units: 3

Emergency management of diving accidents; diver rescues; first aid for diving injuries. Qualify for Cal Poly Humboldt/NAUI leadership levels.

Division: Upper Division

Requisites: Pre-requisite: REC 362.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 1 hr. Activity 4 hrs.

### **REC 410 - Community Recreation**

Units: 3

Examine public, private, non-profit, and community recreation programs and their effect on community health. Focus on healthy policies, built environment, natural spaces, leisure, equity, and integration of recreation and population health approaches.

Division: Upper Division

Requisites: Recommended preparation: REC 210, REC 220, and REC 302.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: Zero Cost Course Materials

Weekly: Lecture 3 hrs.

### **REC 415 - Leisure and Aging**

Units: 3

This class will prepare students to design leisure programs and settings for older adults that are grounded in social theory, research, and best practice. Recommended preparation: REC 211, REC 302.

Division: Upper Division

Requisites: Pre-requisite: Recreation administration majors.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 3 hrs.

### **REC 420 - Legal and Financial Aspects of Recreation**

Units: 3

Legal aspects and the many financial involvements of conducting a recreation program.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 3 hrs.

### **REC 430 - Outdoor Leadership Expedition**

Units: 4

Advanced principles and applications of outdoor leadership skills and knowledge focused on planning and leading expeditions in an adventure education setting, including logistics, risk management, debriefing, environmental ethics, and educational delivery. Students are expected to participate in multiple consecutive field days as part of this class.

Recommended preparation: REC 330 and REC 375 .

Division: Upper Division

Requisites: Pre-requisite: REC 370

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 2 hrs. Laboratory 6 hrs.

### **REC 435 - Sustainable Tourism**

Units: 3

This course examines the environment, economic, and socio-cultural aspects of tourism development, including best practices to maintain long-term sustainability in outgoing and incoming tourism.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Focused

Weekly: Lecture 3 hrs.

### **REC 455 - Internship and Career Preparation Workshop**

Units: 1

Plan and prepare for internship and career in recreation administration. Analyze career placement opportunities, self-exploration, resume construction, interview methods, e-portfolio development and internship process and requirements.

Division: Upper Division

Requisites: Pre-requisite: Junior standing or greater and completion of a minimum of 15 units REC coursework, or IA.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Lecture 1 hr.

### **REC 471 - Scientific Diving**

Units: 3

Development of the knowledge, skill, and experience to successfully plan and conduct underwater data collection. This course meets the standards of the American Academy of Underwater Sciences.

Division: Upper Division

Requisites: Pre-requisite: REC 362.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 2 hrs. Activity 2 hrs.

### **REC 472 - Leadership Diving: Assistant Instructor**

Units: 4

Rescue-certified divers develop knowledge and skills to assist in supervising and training divers. Course exceeds National Association of Underwater Instructors (NAUI) certification requirements.

Division: Upper Division

Requisites: Pre-requisites: REC 252 and REC 262 and REC 362 and REC 383

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 3 hrs. Laboratory 3 hrs.

### **REC 480 - Special Topics**

Units: 1-3

Topics as demand warrants.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar hrs TBD

### **REC 480L - Special Topics Laboratory**

Units: 1

Laboratory offering of recreation/leisure topics as demand warrants.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Activity 2 hrs.

### **REC 481 - Recreation Practicum**

Units: 3

Application of principles of recreation management and leadership in a community agency.

Division: Upper Division

Requisites: Pre-requisite: REC 211. Sophomore standing or above.

Recreation Administration majors.

Permission to enroll: No Special Consent Required

Grading mode: Mandatory CR/NC

Weekly: Seminar 1 hr. Tutorial hrs TBD

### **REC 482 - Internship in Recreation**

Units: 1-6

Supervised experience. Apply academic understanding to a functioning

recreational agency.

Division: Upper Division

Requisites: Pre-requisite: REC 210, REC 211, REC 220, REC 302, REC 320, REC 420, REC 455; senior standing; Recreation Administration majors.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Academic internship course: Yes

Weekly: Supervision hrs TBD

### **REC 485 - Senior Seminar - Majors**

Units: 2

Senior majors apply knowledge/skills to professional problems. Specific professional development projects.

Division: Upper Division

Requisites: Pre-requisite: REC 210, REC 211, REC 220, REC 302, REC 320, REC 420; or IA.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 2 hrs.

### **REC 495 - Directed Field Experience**

Units: 1-6

Under supervision of Cal Poly Humboldt staff.

Division: Upper Division

Requisites: Pre-requisite: IA and junior/ senior standing.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: Zero Cost Course Materials

Weekly: Supervision hrs TBD

### **REC 499 - Directed Study**

Units: 1-6

Supervised by faculty. Provides depth to specific areas of student's professional development.

Division: Upper Division

Requisites: Pre-requisite: junior/ senior standing.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: Zero Cost Course Materials

Weekly: Supervision hrs TBD

## **Religious Studies**

### **RS 104 - Asian Religions: Exploring Buddhism**

Units: 3

Introduction to Asian religions including how the life of Buddha impacted India, Tibet, China, Japan, and California. Myths, symbols, and rituals are included from Theravada, Mahayana, Vajrayana, and Zen.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE C2: Humanities

Weekly: Lecture 3 hrs.

### **RS 105 - World Religions**

Units: 3

Examines six of the following traditions in light of human quest for transcendence: Hinduism, Buddhism, Confucianism, Taoism, Shintoism, Zen, Judaism, Christianity, and Islam. Films augment lectures.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis



General Education: GE C2: Humanities  
All University Requirements: DCG: Non-Domestic  
Zero cost course materials: Zero Cost Course Materials  
Weekly: Lecture 3 hrs.

### **RS 120 - Exploring Religion**

Units: 3  
Introduction to theory and method in the study of religion; examines religious elements, including such topics as faith, sacred time and space, ritual, tradition, devotion, meditation, and new religious movements.  
Division: Lower Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: Zero Cost Course Materials  
Weekly: Lecture 3 hrs.

### **RS 300 - Living Myths**

Units: 3  
Examines how a culture's "sacred stories" express worldview, guide behavior, and empower personal quests for meaning. Sections offered under the following themes: War and Peace, Quest for Self, Beyond the Hero.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE UD Area C: Art & Humanities  
Zero cost course materials: Zero Cost Course Materials  
Weekly: Lecture 3 hrs.

### **RS 301 - Religion in America**

Units: 3  
Surveys American religious diversity exploring the formative role played by religion in American identity, values, and experience, including critical topical issues from politics, sexuality, environment, education, terrorism etc.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE UD Area C: Art & Humanities  
All University Requirements: DCG: Domestic  
Zero cost course materials: Zero Cost Course Materials  
Weekly: Lecture 3 hrs.

### **RS 304 - Cultural and Religious Heritage of Africa**

Units: 3  
Study the cultural heritage of Africa through the themes of religion (traditional, Islam, Christianity), arts (music, dance, drums, cultural access), multilingualism, language and cultural identity, and the oral tradition. Recommended preparation: completion of lower division general education.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE UD Area C: Art & Humanities  
All University Requirements: DCG: Non-Domestic  
Zero cost course materials: Zero Cost Course Materials  
Weekly: Lecture 3 hrs.

### **RS 306 - Gods and Kings in the Ancient Near East**

Units: 4  
Cross-listed with: HIST 306  
History of the ancient cultures (Mesopotamian, Egyptian, Hebrew, Persian, Mycenaean) that provided the foundations for the emergence of classical western civilization including writing, kings, myths, states, laws, and monotheism.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis

General Education: GE UD Area D: Social Sciences  
Weekly: Lecture 4 hrs.

### **RS 321 - Sacred Texts: New Testament**

Units: 3  
Differing perspectives within Christian tradition as found in the variety of genres and viewpoints of New Testament writers. Course uses historical-critical and literary methods, but accepts its expression as an inspired scripture within a living faith tradition.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: Zero Cost Course Materials  
Weekly: Lecture 3 hrs.

### **RS 322 - Sacred Texts: Buddhist Texts**

Units: 4  
Survey folk tales, philosophical treatises, poetry, tantras, and scriptures from early Buddhism to Zen. Attention to canon, genre, transmission, translation, hermeneutics, cultural transformation, function, message, and aesthetics.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: Zero Cost Course Materials  
Weekly: Lecture 4 hrs.

### **RS 323 - Sacred Texts: Hindu Texts**

Units: 4  
Indian literature ancient and modern: the Vedas, mythic visions, lives of saints, poetry, epics, philosophers, yogis, devotees, folk tales, and modern writers, such as Rushdie, Jhabvala, and Narayan.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: Zero Cost Course Materials  
Weekly: Lecture 4 hrs.

### **RS 330 - Introduction to Judaism**

Units: 3  
Survey of religious Judaism: from orthodoxy to reform. Meanings of Jewish life-cycle events, holiday and calendar rituals, history and sacred literature.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: Zero Cost Course Materials  
Weekly: Lecture 3 hrs.

### **RS 331 - Introduction to Christianity**

Units: 3  
Doctrinal developments; literature; rites and rituals; history (including development of major branches). Issues of modernity and postmodernity (could include feminist perspectives, interreligious dialog).  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: Zero Cost Course Materials  
Weekly: Lecture 3 hrs.

### **RS 332 - Introduction to Islam**

Units: 3  
Beliefs, institutions, sacred literature, history. Life of Muhammad, development of tradition in classical period, issues in modernity.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis

Zero cost course materials: Zero Cost Course Materials  
Weekly: Lecture 3 hrs.

### **RS 340 - Zen, Dharma and Tao**

Units: 3  
Confucianism, Taoism, Shinto, and major forms of Buddhism in China and Japan.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
All University Requirements: DCG: Non-Domestic  
Zero cost course materials: Zero Cost Course Materials  
Weekly: Lecture 3 hrs.

### **RS 341 - Spiritual Traditions of India**

Units: 3  
In this course, exploration of images, temples, myth, poetry, meditation, devotion, and philosophy are woven together in a multidimensional approach to the exquisite spiritual traditions of Hinduism, Jainism, and Sikhism.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: Zero Cost Course Materials  
Weekly: Lecture 3 hrs.

### **RS 342 - Buddhism in India and Tibet**

Units: 3  
The development of Buddhism in India and its transformation in Tibet, from the original Buddha to the Dalai Lamas with attention to diverse spiritual instincts of mystics, devotees, and philosophers.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: Zero Cost Course Materials  
Weekly: Lecture 3 hrs.

### **RS 345 - T'ai Chi Ch'üan (Taijiquan)**

Units: 3  
Learn detailed movements of Taiji longform. Emphasis: conceptuality as encoded in body movement and form. Readings from Chinese classics, with focus on how direct awareness influences textual understanding.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Mandatory CR/NC  
Zero cost course materials: Zero Cost Course Materials  
Weekly: Lecture 3 hrs.

### **RS 351 - Shamanism and Prophecy**

Units: 3  
Shamanism in primal, indigenous cultures. Consideration of prophecy in ancient Israel, 2nd Temple Judaism, and Islam, in light of shamanic studies. Contemporary forms of shamanic religious belief.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: Zero Cost Course Materials  
Weekly: Lecture 3 hrs.

### **RS 361 - Environment and Religion**

Units: 3  
How religious practice questions/challenges consumerism. Underlying roots of consumerist mentality and its personal/environmental effects. Explore spiritual/religious foundations for sustainability and environmental health.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis

Sustainability: Sustainability Focused  
Zero cost course materials: Zero Cost Course Materials  
Weekly: Lecture 3 hrs.

### **RS 390 - Seminar in Religious Studies**

Units: 1-4  
New dimensions.  
Division: Upper Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: Zero Cost Course Materials  
Weekly: Seminar hrs TBD

### **RS 391 - Religion in Tradition: Special Topics**

Units: 3  
Topics within religious tradition(s) with thematic focus or tradition overview.  
Division: Upper Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: Zero Cost Course Materials  
Weekly: Lecture 3 hrs.

### **RS 393 - Religion in Myth, Culture and Experience: Special Topics**

Units: 3  
Thematic and/or comparative examination.  
Division: Upper Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: Zero Cost Course Materials  
Weekly: Lecture 3 hrs.

### **RS 394 - Religious Studies Workshop**

Units: 1-3  
Experiential learning (participation). Topics vary. Focus is intensive, short term.  
Division: Upper Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Mandatory CR/NC  
Zero cost course materials: No Course Materials Required  
Weekly: Lecture hrs TBD

### **RS 395 - Senior Seminar**

Units: 3  
Capstone for major. Professor determines thematic focus. Culminating project applies research skills, critical and experiential reflection, and methodologies within the discipline.  
Division: Upper Division  
Requisites: Pre-requisite: completed 27 units required for the major.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: Zero Cost Course Materials  
Weekly: Seminar 3 hrs.

### **RS 399 - Directed Study**

Units: 1-3  
Independent study of topic under supervision. Provides depth to specific area of student's development.  
Division: Upper Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: Zero Cost Course Materials  
Weekly: Supervision hrs TBD

## Science

### SCI 100 - Becoming a STEM Professional in the 21st Century

Units: 3

This course provides an introduction to the academic skills of a student in STEM, an introduction to the practical aspects of these disciplines, and their role in our multicultural society.

Division: Lower Division

Requisites: Pre-requisite: CNRS majors.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE E: Lifelong Learning

Sustainability: Sustainability Related

Weekly: Lecture 2 hrs. Seminar 1 hr.

### SCI 331 - Fundamental Science Concepts for Elementary Education

Units: 3

Fundamental principles in physical science with an emphasis on building conceptual understanding. Intended for students preparing to teach at the elementary school level.

Division: Upper Division

Requisites: Pre-requisite: completed lower division GE science and math. MATH 308B (C).

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 2 hrs. Activity 2 hrs.

### SCI 431 - Nature and Practice of Science for Elementary Education

Units: 3

Explore the nature and practice of science, including an examination of relationships among the various fields of science and other subjects including history.

Division: Upper Division

Requisites: Pre-requisite: SCI 331 and MATH 308C (C)

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 2 hrs. Activity 2 hrs.

### SCI 480 - Selected Topics in Science

Units: 0.5-4

Student preparations typically required. Topic and mode of instruction depend on availability of faculty and facilities.

Division: Upper Division

Requisites: Pre-requisite: upper division or grad standing and IA.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar hrs TBD

### SCI 501 - Research Methods and Planning

Units: 3

Methods of inquiry into the ecology and management of natural resources. Review and composition of research proposals and current literature. Planning and presentation of scientific research. Required for all Natural Resources graduate students.

Division: Graduate

Requisites: Pre-requisite: senior/graduate standing.

Permission to enroll: No Special Consent Required

Grading mode: Mandatory Letter Grade

Weekly: Lecture 3 hrs.

### SCI 698 - Graduate Colloquium in Environmental Systems

Units: 1

Division: Graduate

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Mandatory CR/NC

Weekly: Seminar 1 hr.

## Secondary Education

### SED 210 - Early Fieldwork Experience in Schools

Units: 1

Field experience with secondary school pupils. Observe a minimum of 45 hours under supervision and keep log. Meets prior fieldwork experience admission requirement for education credential programs.

Division: Lower Division

Requisites: Co-requisite: SED 410. Hours arranged with education office.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Tutorial hrs TBD

### SED 410 - Observation and Participation Seminar

Units: 1-3

Upper division students obtain better understanding of teaching through supervised participation in classroom situations. Not applicable to directed teaching requirement. Hours arranged with education office.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar hrs TBD

### SED 701 - Selected Topics in Secondary Teaching

Units: 0.5-3

Division: Credential/Licensure

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar hrs TBD

### SED 708 - Teacher Performance Assessment

Units: 0.5

This course is designed to provide support for the completion of the Performance Assessment for California Teachers teaching event during full-time student teaching.

Division: Credential/Licensure

Requisites: Pre-requisite: admitted to SED credential program.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 0.5 hrs.

### SED 709 - Teacher Performance Assessment Support

Units: 1.5

This course is designed to provide support for the completion of the Teacher Performance Assessment during full-time student teaching.

Division: Credential/Licensure

Requisites: Pre-requisite: admitted to SED credential program.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 1.5 hrs.

### SED 710 - Elementary Methods

Units: 3

Explore methodology for teaching in the elementary school in a self-contained classroom.

Division: Credential/Licensure

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 3 hrs.

### SED 711 - Nonviolent Crisis Intervention

Units: 1

Acquire verbal skills to de-escalate crises and (if crisis escalates to physical level) nonviolent physical intervention skills to ensure safety of students/ self.

Division: Credential/Licensure  
Requisites: Pre-requisite: admission to SED credential program or IA.  
Permission to enroll: No Special Consent Required  
Grading mode: Mandatory CR/NC  
Weekly: Clinical 1 hr.

### **SED 712 - Teaching and Learning in Secondary Schools**

Units: 2  
Development of student understanding; curriculum development (unit goals, lesson plans, assessment); multicultural perspectives in teaching and learning; philosophy of teaching.  
Division: Credential/Licensure  
Requisites: Pre-requisite: SED 714 (C).  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 2 hrs.

### **SED 713 - Classroom Management**

Units: 1  
Focus on a variety of methodologies for creating and managing a classroom community.  
Division: Credential/Licensure  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 1 hr.

### **SED 714 - Educational Psychology**

Units: 2  
Physical, social, moral, and cognitive development of the adolescent; social and family issues; learning theories, motivation, and assessment.  
Division: Credential/Licensure  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 2 hrs.

### **SED 715 - Multicultural Education**

Units: 2  
Equity and diversity. Ethnicity and race; gender, exceptionality, social class, sexual orientation, language, religion.  
Division: Credential/Licensure  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 2 hrs.

### **SED 717 - Service Learning in a Multicultural Setting**

Units: 1  
Develop skills teaching diverse youth through direct experience and education programs. Understand components of service learning pedagogy.  
Division: Credential/Licensure  
Requisites: Pre-requisite: admitted to SED credential program and SED 715 (C).  
Permission to enroll: No Special Consent Required  
Grading mode: Mandatory CR/NC  
Weekly: Seminar 1 hr.

### **SED 730 - Bilingual/ELD Theory and Methods**

Units: 3  
Theory and methodologies of teaching bilingual and English-language-development students.  
Division: Credential/Licensure  
Requisites: Pre-requisite: admitted to SED credential program.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 3 hrs.

### **SED 731 - Secondary Curriculum Instruction: Art**

Units: 2  
Methods and resources for teaching all areas of art.  
Division: Credential/Licensure

Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 2 hrs.

### **SED 733 - Secondary Curriculum Instruction: English/Language Arts**

Units: 2  
Methods and resources for teaching all areas of English/ language arts.  
Division: Credential/Licensure  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 2 hrs.

### **SED 734 - Secondary Curriculum Instruction: Modern Language**

Units: 2  
Methods and resources for teaching all areas of a modern language.  
Division: Credential/Licensure  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 2 hrs.

### **SED 737 - Secondary Curriculum Instruction: Math**

Units: 2  
Methods and resources for teaching all areas of math.  
Division: Credential/Licensure  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 2 hrs.

### **SED 738 - Secondary Curriculum Instruction: Music**

Units: 2  
Methods and resources for teaching all areas of music.  
Division: Credential/Licensure  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 2 hrs.

### **SED 739 - Secondary Curriculum Instruction: Physical Education**

Units: 2  
Methods and resources for teaching all areas of physical education.  
Division: Credential/Licensure  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 2 hrs.

### **SED 740 - Secondary Curriculum Instruction: Science**

Units: 2  
Methods and resources for teaching all areas of science.  
Division: Credential/Licensure  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 2 hrs.

### **SED 741 - Secondary Curriculum Instruction: Social Studies**

Units: 2  
Methods/resources for teaching all areas of social studies.  
Division: Credential/Licensure  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 2 hrs.

### **SED 743 - Content Area Literacy**

Units: 3  
Supervised practice developing/selecting strategies, materials, and procedures that promote reading growth through secondary school classes.  
Division: Credential/Licensure  
Requisites: Pre-requisite: established candidacy in SED credential program, concurrent enrollment in fieldwork or student teaching, or IA.  
Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis  
Weekly: Seminar 3 hrs.

**SED 744 - Secondary Seminar: Art**

Units: 1  
Common problems, strategies, and practical applications related to student teaching art, such as preparing for the opening/closing of school.  
Division: Credential/Licensure  
Requisites: Pre-requisite: admitted to SED credential program.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 1 hr.

**SED 746 - Secondary Seminar: English**

Units: 1  
Common problems, strategies, and practical applications related to student teaching English/ language arts, such as preparing for the opening/ closing of school.  
Division: Credential/Licensure  
Requisites: Pre-requisite: admitted to SED credential program.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 1 hr.

**SED 747 - Secondary Seminar: Modern Language**

Units: 1  
Common problems, strategies, practical applications related to student teaching language, such as preparing for opening /closing of school.  
Division: Credential/Licensure  
Requisites: Pre-requisite: admitted to SED credential program.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 1 hr.

**SED 749 - Secondary Seminar: Industrial Technology**

Units: 1  
Common problems, strategies, and practical applications related to student teaching industrial technology, such as preparing for the opening/closing of school.  
Division: Credential/Licensure  
Requisites: Pre-requisite: admitted to SED credential program.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 1 hr.

**SED 750 - Secondary Seminar: Math**

Units: 1  
Common problems, strategies, and practical applications related to student teaching math, such as preparing for the opening/closing of school.  
Division: Credential/Licensure  
Requisites: Pre-requisite: admitted to SED credential program.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 1 hr.

**SED 751 - Secondary Seminar: Music**

Units: 1  
Common problems, strategies, and practical applications related to student teaching music, such as preparing for the opening/closing of school.  
Division: Credential/Licensure  
Requisites: Pre-requisite: admitted to SED credential program.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 1 hr.

**SED 752 - Secondary Seminar: Physical Education**

Units: 1  
Common problems, strategies, and practical applications related to student teaching physical education, such as preparing for the opening and closing of school.  
Division: Credential/Licensure  
Requisites: Pre-requisite: admitted to SED credential program.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 1 hr.

**SED 753 - Secondary Seminar: Science**

Units: 1  
Common problems, strategies, and practical applications related to student teaching science, such as preparing for the opening/closing of school.  
Division: Credential/Licensure  
Requisites: Pre-requisite: admitted to SED credential program.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 1 hr.

**SED 754 - Secondary Seminar: Social Studies**

Units: 1  
Common problems, strategies, and practical applications related to student teaching social studies, such as preparing for the opening/closing of school.  
Division: Credential/Licensure  
Requisites: Pre-requisite: admitted to SED credential program.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 1 hr.

**SED 756 - Bilingual/ESL Theory and Methods Seminar**

Units: 1  
This is a one unit application-based seminar offered in the spring which provides credential candidates with the opportunity to implement and reflect upon their incorporation of strategies for English language learners during their student teaching semester.  
Division: Credential/Licensure  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 1 hr.

**SED 762 - Supervised Fieldwork in Student Teaching**

Units: 1-3  
Field experience integrated with secondary curriculum instruction (SED 731-SED 741). Under supervision, observe secondary school classrooms (minimum 45 hrs per credit unit); keep log; perform assignments from secondary curriculum instruction.  
Division: Credential/Licensure  
Requisites: Pre-requisite: admitted to SED credential program.  
Permission to enroll: No Special Consent Required  
Grading mode: Mandatory CR/NC  
Zero cost course materials: No Course Materials Required  
Weekly: Supervision hrs TBD

**SED 767 - Student Teaching Secondary Education**

Units: 14  
Student teaching in secondary departmentalized classrooms with mentor teacher and university supervision. Students begin spring student teaching in January completing the placement at the close of the public school year.  
Division: Credential/Licensure  
Requisites: Pre-requisite: admitted to SED credential program.  
Permission to enroll: No Special Consent Required  
Grading mode: Mandatory CR/NC  
Weekly: Supervision hrs TBD

### **SED 776 - Teaching in Inclusive Classrooms**

Units: 2

Designed to help prospective secondary educators develop an understanding of the educational needs of students with disabilities within the context of the general education setting.

Division: Credential/Licensure

Requisites: Pre-requisite: a teaching credential or acceptance into a teacher credential program and concurrently enrolled in student teaching fieldwork classes.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 2 hrs.

### **SED 790 - Supervised Teaching Experience**

Units: 1-3

Student or intern teaching experience in secondary departmentalized classrooms with mentor and university supervision.

Division: Credential/Licensure

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Supervision hrs TBD

### **SED 799 - Directed Study**

Units: 1-4

Independent study; problems, issues, and/or practical applications.

Division: Credential/Licensure

Repeats: Repeatable for Credit

Permission to enroll: Instructor Consent Required

Grading mode: Optional Grade Basis

Weekly: Activity hrs TBD

## **Sociology**

Sociology majors must receive a grade of C or higher in order to count completed courses toward the major. Graduate students must earn a B or higher to apply completed courses toward the degree.

### **SOC 104 - Introduction to Sociology**

Units: 3

Study of social patterns across groups, social institutions, and societies. Socialization, social interaction, inequalities, change, social issues, and social science research. Relationship of self and society.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE D: Social Sciences

Weekly: Lecture 2 hrs. Second Lecture 1 hr.

### **SOC 113 - Sociology Skills Development**

Units: 2

Develop independent academic success strategies. Improve student writing abilities: summarize, analyze, and apply course concepts to social, cultural, and economic contexts of student lives.

Division: Lower Division

Requisites: Co-requisite: SOC 104 EOP.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 1 hr. Activity 2 hrs.

### **SOC 225S - Social Issues and Action**

Units: 4

Why do some social issues become a focus of concern? How do inequalities shape definitions and responses? course service learning experiences connect students to local organizations and actions.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Service learning course: Yes

Weekly: Lecture 3 hrs. Tutorial hrs TBD

### **SOC 235 - Act to End Sexualized Violence**

Units: 1

Cross-listed with: ANTH 235, COMM 235, CRGS 235, PSCI 235

Analyze how sexualized violence impacts communities and operates as social control; learn to recognize victim-blaming, promote survivor centered responses, foreground enthusiastic consent, and take action to transform our campus community.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Mandatory CR/NC

Weekly: Lecture 1 hr.

### **SOC 275 - The Emerald Triangle**

Units: 1

This course examines the production, distribution and use of Marijuana in "The Emerald Triangle." We consider perspectives from: Law Enforcement, Environmental and Human Health, Legalization, Medical Use, and Land Use.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Mandatory CR/NC

Sustainability: Sustainability Focused

Weekly: Lecture 1 hr.

### **SOC 280 - Special Topics**

Units: 1-4

Pressing social issues and popular topics.

Division: Lower Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture hrs TBD

### **SOC 282L - Sociological Statistics Lab**

Units: 1

Application of statistics knowledge. Skills training in SPSS quantitative data analysis.

Division: Lower Division

Requisites: Pre-requisite: STAT 108(C) or STAT 108I (C) with a passing grade of C.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Activity 2 hrs.

### **SOC 302 - Forests and Culture**

Units: 3

Explore relationships between human civilizations and nature/ forest in global and historical contexts. Themes include deforestation, ecological degradation, conservation, life-places, bioregionalism and ecological futures. Majors also take SOC 302M.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE UD Area D: Social Sciences

Sustainability: Sustainability Focused

Weekly: Lecture 3 hrs.

### **SOC 302M - Forests and Culture for Majors**

Units: 1

Required corequisite for sociology majors enrolled in the 3-unit GE course of the same title. Majors will meet with instructor outside of GE section time to discuss movies, books, or paper.

Division: Upper Division

Requisites: Co-requisite: SOC 302.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Focused  
Weekly: Seminar 1 hr.

### **SOC 303 - Race and Inequality**

Units: 3  
Problems of racialized power and inequality: causes, processes, theoretical considerations, and social movements. Multiple perspectives on problems and peacemaking efforts. Majors also take SOC 303M.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE UD Area D: Social Sciences  
All University Requirements: DCG: Domestic  
Weekly: Lecture 2 hrs. Second Lecture 1 hr.

### **SOC 303M - Race and Inequality for Majors**

Units: 1  
Required corequisite for sociology majors enrolled in the 3-unit GE course of the same title. Majors will meet with instructor outside of GE section time to discuss movies, books, or paper.  
Division: Upper Division  
Requisites: Co-requisite: SOC 303.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 1 hr.

### **SOC 305 - Global Transformations**

Units: 3  
Economic, political, social, and ecological dimensions of globalization. Theories and research in global political economy, world systems, transnationalism, and social movements in historical and comparative contexts. Majors also take SOC 305M.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE UD Area D: Social Sciences  
Sustainability: Sustainability Focused  
Weekly: Lecture 3 hrs.

### **SOC 305M - Global Transformations for Majors**

Units: 1  
Required corequisite for sociology majors enrolled in the 3-unit GE course of the same title. Majors will meet with instructor outside of GE section time to discuss movies, books, or paper.  
Division: Upper Division  
Requisites: Co-requisite: SOC 305.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Focused  
Weekly: Seminar 1 hr.

### **SOC 306 - The Changing Family**

Units: 3  
Examines family as a pivotal institution in cross-cultural and American perspectives. Covers historical changes, contemporary issues, relation to structured inequalities, and social justice. Majors also take SOC 306M.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE UD Area D: Social Sciences  
All University Requirements: DCG: Domestic  
Weekly: Lecture 3 hrs.

### **SOC 306M - The Changing Family for Majors**

Units: 1  
Required corequisite for sociology majors enrolled in the 3-unit GE course of the same title. Majors will meet with instructor outside of GE section time to discuss movies, books, or paper.  
Division: Upper Division

Requisites: Co-requisite: SOC 306.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 1 hr.

### **SOC 308 - Sociology of Altruism and Compassion**

Units: 3  
Altruism and compassion as an antidote to a divided world. Create a more caring society by understanding what motivates people to action. Majors also take SOC 308M.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE UD Area D: Social Sciences  
Weekly: Lecture 3 hrs.

### **SOC 308M - Sociology of Altruism and Compassion for Majors**

Units: 1  
Required corequisite for sociology majors enrolled in the 3-unit GE course of the same title. Majors will meet with instructor outside of GE section time to discuss movies, books, or paper.  
Division: Upper Division  
Requisites: Co-requisite: SOC 308.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 1 hr.

### **SOC 310 - Sociological Theory**

Units: 4  
Foundational people and theories in sociology. Social, economic, political, intellectual, biographical contexts of theory development. Appraise theoretical relevance to contemporary society. Writing intensive course.  
Division: Upper Division  
Requisites: Pre-requisite: SOC 225S; junior standing or greater.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 4 hrs.

### **SOC 316 - Gender and Society**

Units: 4  
Cross-listed with: WS 316  
Nature of gender dynamics linking personal experiences to the structure and functioning of institutions, to cultural/subcultural aspects of society, and to interests of the powerful.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
All University Requirements: DCG: Domestic  
Weekly: Lecture 4 hrs.

### **SOC 320 - Environmental Sociology**

Units: 4  
Examines the dynamics of the "natural environment" and society. Emphasis on exploring environmental crises, theoretical perspectives on nature, climate and sustainability.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Focused  
Weekly: Lecture 4 hrs.

### **SOC 321 - Sociology of Sport**

Units: 4  
Sport as a social institution and cultural phenomenon. Analysis through social justice lens of processes, patterns, issues, and values. Role in (re) production and transformation of culture and society.  
Division: Upper Division  
Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis  
Weekly: Seminar 4 hrs.

### **SOC 330 - Social Deviance**

Units: 4  
"Outsiders" by virtue of age, physical status, ethnic heritage, socioeconomic status, or social and occupational roles - elderly, disabled, poor, women, nonwhites, police officers. Role engulfment, anomie, and alienation.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Related  
Weekly: Lecture 4 hrs.

### **SOC 350 - Social Movements**

Units: 4  
This seminar introduces students to the study of U.S. and international social movements. Students study the causes, activities, successes, and failures of social movements, and their importance in the contemporary world.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 4 hrs.

### **SOC 363 - Environmental Crime**

Units: 4  
Application of criminal justice to the surrounding natural environment from legal, ethical, and social perspectives.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Related  
Weekly: Lecture 4 hrs.

### **SOC 370 - Environmental Inequality and Globalization**

Units: 4  
Examines environmental justice and environmental inequality on a global level and their implications for communities and nation states.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Focused  
Weekly: Lecture 4 hrs.

### **SOC 372 - Proseminar**

Units: 1  
Structures career planning and professional development through resume building, job search, networking, and interview training. Develop proposal for capstone internship experiences of career plan.  
Division: Upper Division  
Requisites: Pre-requisite: sophomore standing or greater.  
Permission to enroll: No Special Consent Required  
Grading mode: Mandatory CR/NC  
Zero cost course materials: Zero Cost Course Materials  
Weekly: Lecture 1 hr.

### **SOC 382 - Introduction to Social Research**

Units: 4  
Theoretical principles, ethical issues, and common techniques for designing and implementing qualitative and quantitative social science research.  
Division: Upper Division  
Requisites: Pre-requisite: SOC 282L (C); junior standing or greater.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 4 hrs.

### **SOC 410 - Contemporary Social Theory**

Units: 4  
20th century theories: functionalism, conflict, interactionism, exchange, structural, phenomenological, existential, interpretive, and critical.  
Division: Upper Division  
Requisites: Pre-requisite: SOC 310; junior standing or greater.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 4 hrs.

### **SOC 411 - Popular Culture**

Units: 4  
Considers popular culture as an important arena of social and political struggle. Students explore a variety of social practices such as wrestling, hip hop, weddings, and television talk shows, and consider the ways that these practices are linked to larger systems of power.  
Division: Upper Division  
Requisites: Pre-requisite: SOC 310 or equivalent theory (C).  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 4 hrs.

### **SOC 466 - Migration and the Global Economy**

Units: 4  
Examines the political economy of migration and the criminalization of human movement. Explores livability in relation to global poverty, climate change, nationalism, and capital accumulation.  
Division: Upper Division  
Requisites: Pre-requisite: CRIM 225 or CRIM 225S or SOC 225S; junior standing or greater.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Focused  
Weekly: Seminar 4 hrs.

### **SOC 472 - Graduate School Planning**

Units: 1  
Develop criteria for researching graduate programs. Identify goals and match with programs. Develop application materials - CV and statement of purpose. Plan experiences to make you a stronger candidate.  
Division: Upper Division  
Requisites: Pre-requisite: sophomore standing or greater.  
Permission to enroll: No Special Consent Required  
Grading mode: Mandatory CR/NC  
Zero cost course materials: Zero Cost Course Materials  
Weekly: Seminar 1 hr.

### **SOC 475 - Community Organizing**

Units: 4  
Explores community organizing history, theory and practice. Emphasizes development of conceptual framework/ practical skills for organizing effectively in the community for social, environmental and economic justice.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Focused  
Weekly: Lecture 4 hrs.

### **SOC 480 - Special Topics**

Units: 1-4  
Pressing social issues and popular topics.  
Division: Upper Division  
Requisites: Pre-requisite: junior or senior standing.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture hrs TBD

### **SOC 482 - Internship**



Units: 3

Capstone. Student must secure campus or community 90-hour placement and instructor approval in the semester prior to enrollment. Paper on related research literature.

Division: Upper Division

Requisites: Pre-requisite: SOC 372 or SOC 472; SOC 382; sociology majors SOC 410(C); CJS majors CRIM 410(C).

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: Zero Cost Course Materials

Academic internship course: Yes

Weekly: Seminar 2 hrs. Tutorial hrs TBD

### **SOC 492 - Senior Thesis**

Units: 3

Design and carry out original empirical research or extensive review of literature. Proposal due in semester before enrollment to receive permission number.

Division: Upper Division

Requisites: Pre-requisite: SOC 372 or SOC 472; SOC 382; sociology majors SOC 410(C) or CJS majors CRIM 410(C).

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: Zero Cost Course Materials

Weekly: Seminar 3 hrs.

### **SOC 494 - Sociology Workshop**

Units: 1-2

Pressing social issues and popular topics. Focus intensive and short-term. May not be counted toward major.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Mandatory CR/NC

Weekly: Seminar hrs TBD

### **SOC 499 - Directed Study**

Units: 1-4

Independent study of problems/issues or special theoretical/ analytic concerns.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: Instructor Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: Zero Cost Course Materials

Weekly: Supervision hrs TBD

### **SOC 560 - Teaching Sociology**

Units: 3

Explore pedagogy, theories of learning, teaching techniques, and issues in sociology classrooms. Develop teaching philosophy and portfolio in relation to own teacher identity.

Division: Graduate

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 3 hrs.

### **SOC 583 - Quantitative Research Methods**

Units: 4

Discover the art and science of survey methods and data analysis in community research contexts. Develop statistical (descriptive, inferential, regression) analysis skills with emphasis on conceptual understanding and written interpretation.

Division: Graduate

Requisites: Pre-requisite: (STAT 108 or STAT 108I) and SOC 382, or equivalents.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 4 hrs.

### **SOC 584 - Qualitative Research Methods**

Units: 4

Theoretical and practical elements of the interview; focus group; fieldwork and community action research. Develop and initiate original research project. Computer techniques for data management and analysis.

Division: Graduate

Requisites: Pre-requisite: SOC 382 or equivalent.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 4 hrs.

### **SOC 586 - Community Action Research**

Units: 3

Collaboratively use research skills to work with community groups and their identified research needs in ways that help our local community.

Explore theoretical underpinnings uniting action research and appropriate methodologies.

Division: Graduate

Requisites: Pre-requisite: graduate standing; senior standing with Instructor Approval.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 3 hrs.

### **SOC 605 - Graduate Proseminar in Sociology**

Units: 1

Develop professional sociological skills and engage with faculty research and professional activities.

Division: Graduate

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: Zero Cost Course Materials

Weekly: Seminar 1 hr.

### **SOC 610 - Contemporary Social Theory**

Units: 4

20th century theories: functionalism, conflict, interactionism, exchange, structural, phenomenological, existential, world systems, and critical.

Division: Graduate

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 4 hrs.

### **SOC 650 - Race, Ethnicity and Gender**

Units: 4

Causes, processes, theoretical explanations of racism, sexism, discrimination. Possible solutions. Intergroup relations from global perspective.

Division: Graduate

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 4 hrs.

### **SOC 665 - Community, Ecology and Social Action**

Units: 4

This graduate seminar links emancipatory sociology with practical skills designed to empower ordinary people to organize effectively in the community for social, environmental and economic justice.

Division: Graduate

Requisites: Pre-requisite: graduate standing.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Focused

Weekly: Seminar 4 hrs.

### **SOC 680 - Seminar in Sociological Topics**

Units: 1-4

Division: Graduate

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar hrs TBD

### **SOC 682 - Teaching Internship**

Units: 1-3

Students emphasizing teaching may apply. If selected, a student is supervised by a faculty mentor. Supervising faculty member monitors and mentors intern.

Division: Graduate

Requisites: Pre-requisite: SOC 560, SOC 595, IA.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: Zero Cost Course Materials

Academic internship course: Yes

Weekly: Supervision hrs TBD

### **SOC 690 - Master's Degree Thesis**

Units: 1-6

See Graduate Program Manual.

Division: Graduate

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Mandatory CR/NC

Zero cost course materials: Zero Cost Course Materials

Weekly: Supervision hrs TBD

### **SOC 692 - Master's Degree Project**

Units: 1-6

See Graduate Program Manual.

Division: Graduate

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Mandatory CR/NC

Zero cost course materials: Zero Cost Course Materials

Weekly: Supervision hrs TBD

### **SOC 699 - Independent Study**

Units: 1-4

Directed study of problems/issues or special theoretical/ analytic concerns.

Division: Graduate

Repeats: Repeatable for Credit

Permission to enroll: Instructor Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: Zero Cost Course Materials

Weekly: Supervision hrs TBD

## **Social Work**

### **SW 101 - Introduction to Social Work and Social Work Institutions**

Units: 3

Using a generalist and decolonizing model, course addresses intersectional concerns around power, privilege, resistance, and struggle in relation to social, environmental and economic justice along with methods for facilitating change.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE D: Social Sciences, GE E: Lifelong Learning

All University Requirements: DCG: Domestic

Weekly: Lecture 3 hrs.

### **SW 330 - Social Work Policy**

Units: 4

Development, formation, implementation. Critical perspective. Analyze

major social legislation and develop strategies for improving policies and services.

Division: Upper Division

Requisites: Pre-requisite: SW major.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 4 hrs.

### **SW 340 - Social Work Methods I**

Units: 3

Generalist method: relationship building, forming partnerships, describing problems, assessing resources, developing plans, and evaluating progress. Strength-based work with individuals, families, and groups emphasized. Explore personal processes involved in becoming a helper.

Division: Upper Division

Requisites: Pre-requisite: SW major. Co-requisite: SW 340L.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 3 hrs.

### **SW 340L - Social Work Methods I Lab**

Units: 1

This social work methods lab offers students intensive opportunities to develop social work values, knowledge, and practices consistent with the topics included in the methods course in the context of work with individuals and families. There is considerable opportunity for self-reflection in relation to the development of one's practice.

Division: Upper Division

Requisites: Co-requisite for SW students: SW 340.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Activity 2 hrs.

### **SW 341 - Social Work Methods II**

Units: 3

Expand understanding of generalist method. Emphasis on work with organizations, communities, policy, and society.

Division: Upper Division

Requisites: Pre-requisite: SW 340 and SW major. Co-requisite: SW 341M.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 3 hrs.

### **SW 341M - Social Work Methods II Lab**

Units: 1

This social work methods lab offers students intensive opportunities to develop social work values, knowledge, and practices consistent with the topics included in the methods course in the context of work with groups, organizations, communities, and society. There is considerable opportunity for self-reflection in relation to the development of one's practice.

Division: Upper Division

Requisites: Co-requisite for SW students: SW 341.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Activity 2 hrs.

### **SW 350 - Human Behavior and the Social Environment I**

Units: 4

Contextual models for understanding human experiences, with a particular emphasis on individuals, families, and small groups. Diversity within human experience and the systemic influences that shape human experience are highlighted.

Division: Upper Division

Requisites: Pre-requisite: SW major.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis  
Weekly: Lecture 4 hrs.

### **SW 351 - Human Behavior and the Social Environment II**

Units: 4  
Contextual models for understanding human experiences, with a particular emphasis on large groups, organizations, communities, and society. Diversity within human experience and the systemic influences that shape human experience are highlighted.  
Division: Upper Division  
Requisites: Pre-requisite: SW 350. SW major.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 4 hrs.

### **SW 355 - Social Agency Experience**

Units: 2  
Exposure to human service agency settings and processes. Organizational context for social work.  
Division: Upper Division  
Requisites: Pre-requisite: SW major.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Related  
Weekly: Activity 1 hr. Tutorial hrs TBD

### **SW 356 - Social Work Field Preparation**

Units: 1  
Lab to prepare senior field experience.  
Division: Upper Division  
Requisites: Pre-requisite: SW major with junior standing.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Activity 2 hrs.

### **SW 382 - Social Work Research**

Units: 4  
Understand research as an analytic and interpretive approach to developing knowledge. Evaluate quantitative and qualitative research; sampling strategies; validity, reliability, measurement instruments, ethical and human diversity issues, analysis, developing conclusions.  
Division: Upper Division  
Requisites: Pre-requisite: SW major.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 4 hrs.

### **SW 411 - Distributed Learning Community - BA**

Units: 1.5  
This course is a weekly seminar where students, together with the Distributed Learning Coordinator, engage in an integrative process to strengthen their engagement with each other and the curriculum in the online BA Social Work program. This seminar is designed to integrate theory with practice, to gain information about community resources, to monitor student progress in the program, and to process the experiences in coursework and community practice on practical, conceptual, and ethical levels through the practice of writing for social change. Emphasis is on building a learning community while engaging students to support one another's personal-professional growth in understanding the use of self.  
Division: Upper Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Mandatory CR/NC  
Weekly: Seminar 1.5 hrs.

### **SW 420 - Decolonizing Social Work with Indigenous Communities**

Units: 1.5  
Prepares students to understand and support Indigenouness and Sovereignty (Self-Determination). Promotes awareness of colonization and decolonization processes affecting Indigenous Peoples and how social workers can participate in solutions affecting them.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Related  
Weekly: Seminar 1.5 hrs.

### **SW 442 - Advanced Social Work Methods**

Units: 3  
Practice-oriented topics, such as work with particular populations (aged, children) or practice orientations (mental health, medical social work).  
Division: Upper Division  
Requisites: Pre-requisite: junior standing.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Mandatory Letter Grade  
Weekly: Lecture 3 hrs.

### **SW 455 - Field Experience**

Units: 5  
Two-semester sequence. Develop/apply generalist work skills through guided experience in a social service agency. Supervised by experienced agency field instructor.  
Division: Upper Division  
Requisites: Pre-requisite: SW major with senior standing. Co-requisite: SW 456.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Related  
Weekly: Tutorial hrs TBD

### **SW 456 - Field Experience Seminar**

Units: 2  
Integrate theory and practice. Learn community resources, monitor progress in the agency. Process experiences on practical, conceptual, and ethical levels.  
Division: Upper Division  
Requisites: Co-requisite: SW 455.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Mandatory CR/NC  
Weekly: Seminar 2 hrs.

### **SW 459 - Child Welfare Training Seminar**

Units: 1.5-3  
This course provides supplementary instruction on all aspects of the child welfare services system: intake, emergency response, family preservation, reunification, permanency planning, and adoptions. Attention is on generalist social work practices that partner with families and communities to enhance overall well-being. Significant emphasis is on the necessary conceptual and interactional skills for improving services to families.  
Division: Upper Division  
Requisites: Pre-requisite: SW major and acceptance into Title IV-E BASW Child Welfare Training Stipend Program.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Mandatory CR/NC  
Weekly: Seminar hrs TBD

### **SW 480 - Special Topics**

Units: 0.5-4  
Department course schedule has topics.  
Division: Upper Division

Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar hrs TBD

#### **SW 494 - Social Work Workshop**

Units: 1-3  
Experiential learning through participation. Topics vary across social issues and social work interests. Focus often intensive and short-term.  
Division: Upper Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Mandatory CR/NC  
Weekly: Activity hrs TBD

#### **SW 499 - Directed Study**

Units: 1-3  
Independent study of defined problems through library and/ or field research.  
Division: Upper Division  
Repeats: Repeatable for Credit  
Permission to enroll: Instructor Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Supervision hrs TBD

#### **SW 511 - Distributed Learning Community - Foundation**

Units: 1.5  
This course is a weekly seminar where students, together with the Distributed Learning Coordinator, process experiences in the foundation year of the online graduate Social Work program. This seminar is designed to integrate theory with practice, to gain information about community resources, to monitor student progress in the program, and to process the experiences in coursework and community practice on practical, conceptual, and ethical levels through the practice of writing for social change. Emphasis is on building a learning community while engaging students to support one another's personal-professional growth in understanding the use of self.  
Division: Graduate  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Mandatory CR/NC  
Weekly: Seminar 1.5 hrs.

#### **SW 530 - Social Policy and Services**

Units: 3  
Examines economic, historical, political, sociocultural aspects of social policy; values and ideologies that shape social welfare programs and services; policy formation, advocacy, and analysis.  
Division: Graduate  
Requisites: Pre-requisite: MSW program admission.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Related  
Weekly: Seminar 3 hrs.

#### **SW 540 - Generalist Social Work Practice**

Units: 3  
Applies knowledge and skills for generalist practice guided by the values of social justice and empowerment. Includes skill building lab.  
Division: Graduate  
Requisites: Pre-requisite: MSW program admission.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Clinical 3 hrs.

#### **SW 541 - GSWP: Native American and Rural**

Units: 3  
Within the historical context of colonization, the spirit and culture of

Native American and rural communities are explored. Knowledge, values, and skills to work with and within these contexts are examined.  
Division: Graduate  
Requisites: Pre-requisite: MSW program admission.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Clinical 3 hrs.

#### **SW 543 - GSWP II: Macro Practice**

Units: 3  
Social work theory and methods relevant for macro-level practice are considered. Skills for engagement, assessment, planning, and evaluation with client systems including rural and Native American communities are explored.  
Division: Graduate  
Requisites: Pre-requisite: MSW program admission.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Clinical 3 hrs.

#### **SW 550 - Human Development, Diversity and Relations**

Units: 3  
Theories in human relations/ development, indigenous and other cultural ways of knowing are examined in the context of shifting paradigms and meaning for daily life experiences.  
Division: Graduate  
Requisites: Pre-requisite: MSW program admission.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 3 hrs.

#### **SW 555 - Foundation Internship**

Units: 3  
Foundation community internship, demonstrating students' knowledge, values, and skills in developing partnerships to benefit people and environmental conditions. Concurrent model. 480 total internship hours.  
Division: Graduate  
Requisites: Pre-requisite: complete first year foundation coursework (C).  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Mandatory CR/NC  
Sustainability: Sustainability Related  
Academic internship course: Yes  
Weekly: Activity 2 hrs. Laboratory 6 hrs.

#### **SW 559 - Child Welfare Training Seminar**

Units: 1.5  
A required component of the Title IV-E stipend program. Focus is on foundational competencies for practice in child welfare.  
Division: Graduate  
Requisites: Pre-requisite: MSW program admission and stipend recipient.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Mandatory CR/NC  
Weekly: Seminar 1.5 hrs.

#### **SW 570 - Dynamics of Groups, Agencies, Organizations**

Units: 3  
Theories of development, and dynamics of larger social systems are examined. Emphasizes diversity, indigenous cultures, social justice and the role of the social worker.  
Division: Graduate  
Requisites: Pre-requisite: MSW program admission.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 3 hrs.

**SW 580 - Special Topics**

Units: 1-3

Department course schedule has topics.

Division: Graduate

Requisites: Pre-requisite: MSW program admission.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar hrs TBD

**SW 581 - SW Research for Advanced Standing**

Units: 3

This course is a summer bridge research course designed to help advance standing MSW students understand and appreciate research as an analytic and interpretive approach to developing a knowledge base for social work practice. Students are expected to carry out an IRB, previously pre-approved research project. Students develop skills to conduct research, gather data, analyze data, present findings, and write research reports. Students will continue to develop research evaluation skills.

Division: Graduate

Requisites: Pre-requisite: admission into the Advanced Standing MSW program.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 3 hrs.

**SW 582 - Research I: Philosophy and Methods**

Units: 3

The first course in the MSW research sequence explores philosophical, ethical, theoretical, and political aspects of research methodologies, including conceptualizing research proposals in rural and Native American communities.

Division: Graduate

Requisites: Pre-requisite: MSW program admission.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Seminar 3 hrs.

**SW 583 - Research II: Qualitative and Indigenous Research Methods**

Units: 3

Helps students understand and appreciate research as an interpretive approach to developing a knowledge base for social work practice. Students explore qualitative and Indigenous research theories and methods.

Division: Graduate

Requisites: Pre-requisite: SW 582 and MSW program admission.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 3 hrs.

**SW 599 - Independent Study**

Units: 1-3

Directed study of problems/issues or special theoretical/ analytical concerns.

Division: Graduate

Requisites: Pre-requisite: MSW program admission.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Supervision hrs TBD

**SW 611 - Distributed Learning Community - Advanced**

Units: 1.5

This course is a weekly seminar where students, together with the Distributed Learning Coordinator, process experiences in the advanced

year of the online graduate Social Work program. This seminar is designed to integrate theory with practice, to gain information about community resources, to monitor student progress in the program, and to process the experiences in coursework and community practice on practical, conceptual, and ethical levels through the practice of writing for social change. Emphasis is on building a learning community while engaging students to support one another's personal-professional growth in understanding the use of self.

Division: Graduate

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Mandatory CR/NC

Weekly: Seminar 1.5 hrs.

**SW 640 - AGP: Child and Family Welfare**

Units: 3

Examines child, family, and Indian Child welfare policies/practices from historical, political, cultural, economic contexts. Emphasizes advanced practice skills for serving indigenous and rural families and children.

Division: Graduate

Requisites: Pre-requisite: complete first year foundation coursework.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Clinical 3 hrs.

**SW 641 - AGP: Integrated Clinical Practice**

Units: 3

Theories, skills, and policies in mental health and problematic substance use are considered. Emphasis on partnering for change in intervention/prevention from a multi-level, multi-system perspective related to diverse communities.

Division: Graduate

Requisites: Pre-requisite: complete first year foundation coursework.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Clinical 3 hrs.

**SW 643 - AGP: Community and Organization**

Units: 3

Prepares students for advanced level practice with and within communities and organizations. Consideration is given to grant writing, program development, and empowering communities to engage in meaningful change with organizations.

Division: Graduate

Requisites: Pre-requisite: complete first year foundation courses.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Clinical 3 hrs.

**SW 648 - AGP: Advanced Clinical Practice**

Units: 3

Advanced clinical skills needed to work with individuals, families, and groups in the context of advanced general practice are considered. Evidence-based interventions are examined from an ecological, multicultural perspective.

Division: Graduate

Requisites: Pre-requisite: complete first year foundation coursework.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Clinical 3 hrs.

**SW 649 - AGP: Wellness and Sustainability**

Units: 3

Wellness, prevention, and health promotion in terms of sustainability as a global construct will be considered and its application in culturally appropriate and relevant practice and service.

Division: Graduate

Requisites: Pre-requisite: complete first year foundation coursework.

Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Focused  
Weekly: Clinical 3 hrs.

### **SW 651 - AGP: Indigenous Peoples**

Units: 3

This course examines Indigenous Peoples' social work in a global context. Theoretical, methodological, ethical, and service issues are reviewed within the frameworks of cultural rights, international law, sovereignty, and globalization.

Division: Graduate

Requisites: Pre-requisite: complete first year foundation coursework.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Clinical 3 hrs.

### **SW 655 - Advanced Internship**

Units: 3

Advanced community internship demonstrating students' knowledge, values, and skills in developing partnerships to benefit people and environmental conditions. Concurrent model. 480 total internship hours.

Division: Graduate

Requisites: Pre-requisite: complete first year foundation coursework.

Permission to enroll: No Special Consent Required

Grading mode: Mandatory CR/NC

Sustainability: Sustainability Related

Academic internship course: Yes

Weekly: Activity 2 hrs. Laboratory 6 hrs.

### **SW 658 - Mental Health Training Seminar**

Units: 1.5

A required component of the mental health stipend program. Focuses on advanced competencies for practice in mental health settings.

Division: Graduate

Requisites: Pre-requisite: complete foundation coursework and current stipend recipient.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Mandatory CR/NC

Weekly: Seminar 1.5 hrs.

### **SW 659 - Advanced Child Welfare Training Seminar**

Units: 1.5

A required component of the Title IV-E stipend program. course addresses advanced competencies in child welfare practice.

Division: Graduate

Requisites: Pre-requisite: complete foundation coursework and current stipend recipient.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Mandatory CR/NC

Weekly: Seminar 1.5 hrs.

### **SW 670 - Social Work in School Settings A**

Units: 3

Thesis course focuses on a macro level framework for social work within California's K-12 Public School System.

Division: Graduate

Requisites: Pre-requisite: completion of MSW. Co-requisite: SW 671.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Clinical 3 hrs.

### **SW 671 - Social Work in School Settings B**

Units: 3

The course utilizes an ecological systems framework to explore social work within California's K-12 Public School System.

Division: Graduate

Requisites: Pre-requisite: completion of MSW. Co-requisite: SW 670.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Clinical 3 hrs.

### **SW 680 - Seminar in Social Work Topics**

Units: 1-3

Department course schedule has topics.

Division: Graduate

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Clinical hrs TBD

### **SW 682 - Masters Project Development**

Units: 3

The first course in a two-course sequence to aid students in the development of their master's project. Focus is on developing the proposal, IRB, key informants, and agency agreements.

Division: Graduate

Requisites: Pre-requisite: MSW program admission.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Mandatory CR/NC

Zero cost course materials: No Course Materials Required

Weekly: Seminar 3 hrs.

### **SW 683 - Masters Project Implementation**

Units: 3

The second course in a two-course sequence to aid students in the development of their master's project. Focus is on implementing the proposal, evaluating data, and disseminating the results.

Division: Graduate

Requisites: Pre-requisite: SW 682.

Permission to enroll: No Special Consent Required

Grading mode: Mandatory CR/NC

Weekly: Seminar 3 hrs.

### **SW 699 - Independent Study**

Units: 1-3

Directed study of problems/issues or special theoretical/ analytical concerns.

Division: Graduate

Repeats: Repeatable for Credit

Permission to enroll: Instructor Consent Required

Grading mode: Optional Grade Basis

Weekly: Supervision hrs TBD

## **Soils**

### **SOIL 104 - Introduction to Sustainable Agriculture**

Units: 3

The course provides an understanding of the complex relationships among crop plants, domesticated animals, and their abiotic and biotic environment, and the requirements for sustainable agriculture.

Division: Lower Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE B2: Life Science, GE B3: Laboratory Activity

Sustainability: Sustainability Focused

Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **SOIL 260 - Introduction to Soil Science**

Units: 3

Soil's physical, chemical, and biological properties. Implications for land management. Identify soil parent materials; use soil survey reports.

Division: Lower Division

Requisites: Pre-requisite: CHEM 107 or CHEM 109 or IA.

Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **SOIL 360 - Origin and Classification of Soils**

Units: 3  
Factors of soil genesis; their interactions. Soil morphology/description; classification, emphasizing wildland soils.  
Division: Upper Division  
Requisites: Pre-requisite: SOIL 260 or equivalent.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **SOIL 363 - Wetland Soils**

Units: 3  
The morphology, chemistry, hydrology, formation and function of mineral and organic soils in wet environments. Topics include identification, estuaries, peatlands, preservation, regulation and mitigation. Recommended preparation: SOIL 360  
Division: Upper Division  
Requisites: Pre-requisite: SOIL 260 or equivalent.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **SOIL 460 - Wildland Soil Management and Erosion Control**

Units: 3  
Characterization, mapping, assessment, interpretation, and management of wildland soils; nutrient cycling, fire effects, erosion control.  
Division: Upper Division  
Requisites: Pre-requisite: SOIL 260 or equivalent.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Related  
Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **SOIL 462 - Soil Fertility**

Units: 3  
Methods of evaluating/ managing soil fertility; nutrient availability and cycling in terrestrial ecosystems; soil test methods and interpretation of results.  
Division: Upper Division  
Requisites: Pre-requisite: SOIL 260; or IA.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **SOIL 465 - Soil Microbiology**

Units: 3  
Interrelationships between soil, microorganisms, and plants, especially in context of wildland soils. Isolate/ identify microorganisms.  
Division: Upper Division  
Requisites: Pre-requisite: SOIL 260 or equivalent, and BIOL 105.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **SOIL 467 - Soil Physics**

Units: 3  
State/transport of matter and energy in soil; physical processes governing soil/water energy relationships.  
Division: Upper Division  
Requisites: Pre-requisite: SOIL 260 or equivalent, and PHYX 106 or PHYX 109; or IA.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **SOIL 468 - Introduction to Agroforestry**

Units: 3  
Objectives and socioeconomic contexts. Multipurpose tree species; soil/tree/crop/livestock interactions; soil conservation; soil fertility effects.  
Division: Upper Division  
Requisites: Pre-requisite: BOT 105 and SOIL 260 or equivalent.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Focused  
Weekly: Lecture 3 hrs.

### **SOIL 480 - Selected Topics**

Units: 1-3  
Lecture as appropriate.  
Division: Upper Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar hrs TBD

### **SOIL 485 - Senior Seminar**

Units: 1-2  
Topics of current interest. Lectures, guest speakers, discussions, and/or student presentations.  
Division: Upper Division  
Requisites: Pre-requisite: junior or senior standing or IA.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar hrs TBD

### **SOIL 499 - Directed Study**

Units: 1-3  
Individual research/ project.  
Division: Upper Division  
Repeats: Repeatable for Credit  
Permission to enroll: Instructor Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Supervision hrs TBD

### **SOIL 685 - Seminar**

Units: 1-2  
Topics of current interest. Lectures, guest speakers, discussions, and/or student presentations.  
Division: Graduate  
Requisites: Pre-requisite: grad standing or IA.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar hrs TBD

## **Spanish**

### **SPAN 105 - Spanish Language and Culture I**

Units: 4  
Beginning Spanish I; develop understanding, speaking, reading, writing, knowledge of Hispanic culture. Language as communicative medium/ carrier of culture. Conducted in Spanish. Part 1 of 2 course sequence.  
Division: Lower Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 4 hrs.

### **SPAN 106 - Spanish Language and Culture II**

Units: 4  
Beginning Spanish II; develop understanding, speaking, reading, writing, knowledge of Hispanic culture. Language as communicative medium/ carrier of culture. Conducted in Spanish. Part 2 of 2 course

sequence. Recommended preparation: SPAN 105.  
Division: Lower Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE C2: Humanities  
Weekly: Lecture 4 hrs.

### **SPAN 106L - Spanish Laboratory Level II**

Units: 1  
Self-directed, subscription-based online language course.  
Division: Lower Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: Zero Cost Course Materials  
Weekly: Tutorial hrs TBD

### **SPAN 107 - Spanish Language and Culture III**

Units: 4  
Intermediate Spanish I; develop understanding, speaking, reading, writing, knowledge of Hispanic culture. Language as communicative medium/ carrier of culture. Conducted in Spanish. Part 1 of 2 course sequence. Recommended preparation: SPAN 106.  
Division: Lower Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE C2: Humanities  
All University Requirements: DCG: Non-Domestic  
Weekly: Lecture 4 hrs.

### **SPAN 107L - Spanish Laboratory Level III**

Units: 1  
Self-directed, subscription-based online language course.  
Division: Lower Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: Zero Cost Course Materials  
Weekly: Tutorial hrs TBD

### **SPAN 108 - Level III Heritage Speakers**

Units: 4  
Designed for Heritage Speakers to master formal/ professional Spanish and deepen awareness of national and international Hispanic cultures. Part 1 of a 2 course sequence.  
Division: Lower Division  
Requisites: Pre-requisite: near-native speaking ability in Spanish, confirmed by personal interview with instructor.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE C2: Humanities  
All University Requirements: DCG: Non-Domestic  
Weekly: Lecture 4 hrs.

### **SPAN 108S - Level III Heritage Speakers**

Units: 4  
Designed for Heritage Speakers to master formal/professional Spanish, serve local Latino community, and deepen awareness of national and international Latino cultures. Part 1 of a 2 course sequence.  
Division: Lower Division  
Requisites: Pre-requisite: native speaking ability in Spanish, confirmed by a personal interview with instructor.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE C2: Humanities  
All University Requirements: DCG: Non-Domestic  
Service learning course: Yes  
Weekly: Lecture 4 hrs.

### **SPAN 207 - Spanish Language and Culture IV**

Units: 4  
Intermediate Spanish II; develop understanding, speaking, reading, writing, knowledge of Hispanic culture. Language as communicative medium/ carrier of culture. Conducted in Spanish. Part 2 of 2 course sequence. Recommended preparation: SPAN 107.  
Division: Lower Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE C2: Humanities  
All University Requirements: DCG: Non-Domestic  
Weekly: Lecture 4 hrs.

### **SPAN 207L - Spanish Laboratory Level IV**

Units: 1  
Self-directed, subscription-based online language course.  
Division: Lower Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: Zero Cost Course Materials  
Weekly: Tutorial hrs TBD

### **SPAN 208 - Level IV Heritage Speakers**

Units: 4  
Designed for Heritage Speakers to master formal/ professional Spanish and deepen awareness of national and international Hispanic cultures. Part 2 of a 2 course sequence.  
Division: Lower Division  
Requisites: Pre-requisite: SPAN 108; near-native speaking ability in Spanish, confirmed by personal interview with instructor.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE C2: Humanities  
All University Requirements: DCG: Non-Domestic  
Weekly: Lecture 4 hrs.

### **SPAN 208S - Level IV Heritage Speakers**

Units: 4  
Designed for Heritage Speakers to master formal/professional Spanish, serve local Latino community, and deepen awareness of national and international Latino cultures. Part 2 of a 2 course sequence.  
Division: Lower Division  
Requisites: Pre-requisite: native speaking ability in Spanish, confirmed by a personal interview with instructor.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE C2: Humanities  
All University Requirements: DCG: Non-Domestic  
Service learning course: Yes  
Weekly: Lecture 4 hrs.

### **SPAN 280 - Lower Division Weekend Retreat/ Seminar**

Units: 1-4  
Language retreat or seminar with guest lecturer; typically offered on weekend; culminates in project or report. Or lab for which times of required attendance are self-determined.  
Division: Lower Division  
Requisites: Pre-requisite: completed Spanish level II or IA.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar hrs TBD

### **SPAN 305 - Hispanic Civilization: Regional Studies**

Units: 3  
Chronological presentation of culture, pre-Colombian to present day, with special emphasis on host country's culture. Students visit relevant historical and cultural sites. Recommended preparation: A minimum of three semesters of college-level Spanish language instruction, or equivalent.



Division: Upper Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE UD Area C: Art & Humanities  
Weekly: Tutorial hrs TBD

**SPAN 306 - Sex, Class and Culture: Gender and Ethnic Issues in International Short Stories**

Units: 3  
Cross-listed with: FREN 306, GERM 306, WS 306  
Gender and ethnic issues in French, German, and Spanish short stories by and about women. Readings, lectures, and discussions entirely in English.  
Division: Upper Division  
Requisites: Pre-requisite: junior standing or greater.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE UD Area C: Art & Humanities  
All University Requirements: DCG: Non-Domestic  
Weekly: Lecture 3 hrs.

**SPAN 308S - Introduction to Translation and Interpretation**

Units: 3  
Apply theoretical and practical principles of translation and interpretation of literature, real-world texts, and oral contexts. Analyze social/cultural implications of working in this field. Practical experience through service learning.  
Division: Upper Division  
Requisites: Pre-requisite: at least one of the following: native or near native Spanish proficiency; 5 semesters of college-level Spanish or equivalent; or IA.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE UD Area C: Art & Humanities  
All University Requirements: DCG: Domestic  
Service learning course: Yes  
Weekly: Lecture 3 hrs.

**SPAN 310 - Spanish Advanced Oral Skills**

Units: 3  
Speaking and listening comprehension in Spanish for a variety of purposes in authentic contexts. Identify main ideas and supporting details of oral communication. Analyze and think critically about oral communication. Recommended preparation: SPAN 207 (C) or SPAN 208 (C) or SPAN 208S (C).  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs.

**SPAN 311 - Spanish Level V, Advanced Grammar and Composition**

Units: 4  
Contemporary grammatical analysis/terminology; contrasts within the Spanish language; contrasts/relationships between English and Spanish. Current idiomatic and formal usage in both oral and written language.  
Division: Upper Division  
Requisites: Pre-requisite: SPAN 207 or equivalent, or IA.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 4 hrs.

**SPAN 313 - Spanish Peer Tutoring**

Units: 1-4  
Students apply their mastery of discipline-specific knowledge and expertise to assist and support peers in the language acquisition process.

This course offers experiential experience with effective peer mentoring techniques applicable to a tutorial setting.

Division: Upper Division  
Requisites: Pre-requisite: SPAN 310 and SPAN 311, or instructor approval.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: Zero Cost Course Materials  
Weekly: Tutorial hrs TBD

**SPAN 315S - Field Experience: Teaching Spanish as a Second Language**

Units: 1-4  
Class discussions complement supervised academic internships in "approved" community partner K-12 schools, providing students direct application service opportunities of discipline-specific knowledge. Students will be exposed to the theories of language acquisition and learning.  
Division: Upper Division  
Requisites: Pre-requisite: at least one of the following: native or near native Spanish proficiency, 5 semesters college-level Spanish or equivalent, or IA.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: Zero Cost Course Materials  
Service learning course: Yes  
Weekly: Tutorial hrs TBD

**SPAN 321 - Advanced Writing Skills**

Units: 4  
In depth exploration of various writing styles, including news articles, technical or scientific writing, how-to articles, and persuasive writing. Recommended preparation: SPAN 311 .  
Division: Upper Division  
Requisites: Pre-requisites: SPAN 207  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 4 hrs.

**SPAN 325 - Grammar: Regional Studies**

Units: 1-4  
Contemporary grammatical analysis/terminology; contrasts of regional dialects. Current idiomatic and formal usage in both oral and written language with special emphasis on a Spanish-speaking host country.  
Division: Upper Division  
Requisites: Pre-requisite: SPAN 107 or SPAN 108S, minimum of three semesters of college-level Spanish language instruction or equivalent.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: Zero Cost Course Materials  
Weekly: Tutorial hrs TBD

**SPAN 335 - Reading and Writing: Regional Studies**

Units: 1-4  
Contemporary readings, short stories, short novels, poems, newspaper articles. Review of current idiomatic and formal usage in written language of a Spanish-speaking host country.  
Division: Upper Division  
Requisites: Pre-requisite: SPAN 107 or SPAN 108S, minimum of three semesters of college-level Spanish language instruction or equivalent.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: Zero Cost Course Materials  
Weekly: Tutorial hrs TBD

**SPAN 340 - Critical Reading in Spanish I**

Units: 3

Functions and elements, literary periods, genres, trends, movements, historical context, and appropriate terminology. Part one of a two-course sequence.

Division: Upper Division

Requisites: Pre-requisite: SPAN 207 or IA.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 3 hrs.

**SPAN 341 - Critical Reading in Spanish II**

Units: 3

Functions and elements, literary periods, genres, trends, movement; historical context and appropriate terminology. Part 2 of a 2 course sequence. Recommended preparation: SPAN 321 and SPAN 340.

Division: Upper Division

Requisites: Pre-requisites: SPAN 311.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 3 hrs.

**SPAN 342 - Cervantes**

Units: 4

Don Quixote and/ or Cervantes' other works. His development as man and writer within the framework of his time.

Division: Upper Division

Requisites: Pre-requisite: SPAN 340 or IA.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 4 hrs.

**SPAN 343 - The Golden Age**

Units: 4

Spain's greatest period of original literature: picaresque novel flourished; modern novel emerged; dramas of intrigue, history, morals, and sentiment entertained/ educated the public; poetry evolved complicated forms with conceptismo and culteranismo. Cervantes, Lope de Vega, Tirso de Molina, Calderon, Quevedo, Gongora, others.

Division: Upper Division

Requisites: Pre-requisite: SPAN 340 or IA.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 4 hrs.

**SPAN 344 - Modern Hispanic Theater Workshop**

Units: 4

Analyze plays by most important dramatists of 20th century: Lorca, Buero Vallejo, Sastre; avant-garde playwrights such as Arrabal in Spain and Solorzano, Usigli, Villarrutia, and Gorostiza in Latin America. Authors vary. Produce and stage a play (or meaningful parts of different plays).

Division: Upper Division

Requisites: Pre-requisite: SPAN 340 or IA.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 4 hrs.

**SPAN 345 - Hispanic Cinema**

Units: 4

Films of past 50 years, both as art medium and document of changing society. New generation of film makers/ directors. When possible, study relationship between literary work and its film adaptation.

Division: Upper Division

Requisites: Pre-requisite: SPAN 340 or IA.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 4 hrs.

**SPAN 346 - Borges and the Contemporary Spanish American Short Story**

Units: 4

Borges' short stories as pre-texts of Spanish American modern narrative literatures. May include works from Cortazar, Rulfo, Valenzuela, Lynch, others.

Division: Upper Division

Requisites: Pre-requisite: SPAN 340 or IA.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 4 hrs.

**SPAN 347 - The "Boom" of the Latin American Novel**

Units: 4

Magic realism; the fantastic; self-conscious fiction. Garcia Marquez, Vargas Llosa, Fuentes, Sabato. Innovative structure, mass media techniques, linguistic play.

Division: Upper Division

Requisites: Pre-requisite: SPAN 340 or IA.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 4 hrs.

**SPAN 348 - Contemporary Hispanic Poetry**

Units: 4

Vanguard movements in poetry; their relation to film, music, art. Garcia Lorca, Miguel Hernandez, Octavio Paz, Pablo Neruda, Nicolas Guillen, others. Conflict between poetry and political commitment. Varied, complex voices of Spain, Latin America.

Division: Upper Division

Requisites: Pre-requisite: SPAN 340 or IA.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 4 hrs.

**SPAN 349 - Contemporary Spanish Novel**

Units: 4

Tremendismo, behaviorism, alienation, ironic and social realism. Cela, Delibes, Martin Santos, Ferlosio. Relationship between the novel and political/ social conditions; problem of censorship.

Division: Upper Division

Requisites: Pre-requisite: SPAN 340 or IA.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 4 hrs.

**SPAN 365S - Field Experience: Regional Studies**

Units: 1-4

Students apply four language skills (oral, writing, reading, and comprehension) in an authentic social and cultural context while serving host country's local community needs.

Division: Upper Division

Requisites: Pre-requisite: SPAN 107 or SPAN 108S, minimum of three semesters of college-level Spanish language instruction or equivalent.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: Zero Cost Course Materials

Service learning course: Yes

Weekly: Tutorial hrs TBD

**SPAN 370 - Spanish Retreat/Seminar**

Units: 1

Spanish immersion retreat and/or seminar. Typically includes overnight stays and cultural site visits, and culminates in a specific project or report.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Mandatory CR/NC  
Weekly: Lecture 1 hr.

### **SPAN 396 - International Latino Film Seminar**

Units: 1  
Cross-listed with: ES 396, HIST 396  
This seminar presents and discusses three films from the Hispanic world, in Spanish with English subtitles.  
Division: Upper Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Mandatory CR/NC  
Zero cost course materials: Zero Cost Course Materials  
Weekly: Lecture 1 hr.

### **SPAN 401 - Hispanic Civilization: Spain**

Units: 4  
Social, political, and cultural evolution from origins of Spanish nation to present day.  
Division: Upper Division  
Requisites: Pre-requisite: SPAN 207 or IA.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 4 hrs.

### **SPAN 402 - Hispanic Civilization: Latin America**

Units: 4  
Chronological presentation of culture, pre-Colombian to present day.  
Division: Upper Division  
Requisites: Pre-requisite: SPAN 207 or IA.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 4 hrs.

### **SPAN 408S - Field Experience: Translation and Interpretation**

Units: 1-4  
Supervised application of translation and interpretation of literature, real-world texts, and oral contexts. Students experience and reflect on social/cultural/ethical implications of working in this field. Students and "approved" community partners collaborate through Service Learning.  
Division: Upper Division  
Requisites: Pre-requisite: SPAN 308S or IA.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
All University Requirements: DCG: Domestic  
Service learning course: Yes  
Weekly: Tutorial hrs TBD

### **SPAN 435 - Spanish Applied Linguistics**

Units: 4  
Elementary principles of linguistics; their application to Spanish. Difficulties of syntax, morphology, and phonology from an English-speaker's point of view.  
Division: Upper Division  
Requisites: Pre-requisite: SPAN 311 or IA.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 4 hrs.

### **SPAN 480 - Undergraduate Seminar**

Units: 1-4  
Topic pertaining to literature, language, or culture of either Spain or Latin America. Past topics: music of Spain, Middle Ages, problems of translation.  
Division: Upper Division  
Requisites: Pre-requisite: SPAN 340 or IA.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis  
Weekly: Seminar hrs TBD

### **SPAN 492 - Senior Project**

Units: 3  
Research paper treating a topic related to language, literature, or culture. Individual guidance by faculty member. Required for degree in Spanish.  
Division: Upper Division  
Requisites: Pre-requisite: senior standing.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Seminar 3 hrs.

### **SPAN 499 - Directed Study**

Units: 1-4  
Division: Upper Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: Zero Cost Course Materials  
Weekly: Supervision hrs TBD

## **Special Education**

### **SPED 702 - Foundations of General and Special Education**

Units: 3  
Foundations of general and special education instruction, overview of instructional techniques and curricula, factors affecting instruction, principles of assessment, trends and issues.  
Division: Credential/Licensure  
Requisites: Pre-requisite: EDUC 377(C) and admission to SPED program, or IA.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 3 hrs.

### **SPED 703 - Foundations of Assessment and Program Planning**

Units: 3  
Evaluate, select, administer, score, and interpret formal and informal assessment instruments. Use assessment results to identify instructional needs of students with disabilities and plan and individual education program.  
Division: Credential/Licensure  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 3 hrs.

### **SPED 705 - Multicultural Special Education**

Units: 2  
Historical, legal, philosophical, and theoretical foundations of general and special education in a diverse society. Emphasis on cross-cultural language and academic development.  
Division: Credential/Licensure  
Requisites: Pre-requisite: EDUC 377(C) and admission to SPED program, or IA.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 2 hrs.

### **SPED 706 - Applied Behavior Analysis for Teachers**

Units: 3  
Basic concepts of applied behavior analysis, development of individual positive behavior support plan, and implementation of behavior management strategies in classroom settings.  
Division: Credential/Licensure  
Requisites: Pre-requisite: EDUC 377(C) and admission to SPED program, or IA.  
Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis  
Weekly: Seminar 3 hrs.

### **SPED 707 - Curriculum and Instruction - Reading and Language Arts**

Units: 3  
Instruction to language arts methods in general and special education. Foundations, assessment, instruction intervention, and curricular choices for special populations.  
Division: Credential/Licensure  
Requisites: Pre-requisite: EDUC 377(C) and admission to SPED program, or IA.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 3 hrs.

### **SPED 708 - Practicum - Reading and Language Arts**

Units: 1  
Guided observations and closely supervised beginning fieldwork experiences in exemplary general and special education settings; curriculum, instruction, and assessment in reading and language arts.  
Division: Credential/Licensure  
Requisites: Pre-requisite: SPED 707 (C).  
Permission to enroll: No Special Consent Required  
Grading mode: Mandatory CR/NC  
Weekly: Laboratory 3 hrs.

### **SPED 709 - Curriculum and Instruction - Math**

Units: 2  
Introduction to mathematics methods in general and special education; Foundations, assessment, instructional interventions, and curricular choices for special populations.  
Division: Credential/Licensure  
Requisites: Pre-requisite: EDUC 377(C) and admission to SPED program, or IA.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 2 hrs.

### **SPED 710 - Practicum: Math Instruction**

Units: 1  
Guided observations and closely supervised beginning fieldwork experiences in exemplary general and special education settings; curriculum, instruction, and assessment in Mathematics.  
Division: Credential/Licensure  
Requisites: Pre-requisite: SPED 709(C).  
Permission to enroll: No Special Consent Required  
Grading mode: Mandatory CR/NC  
Weekly: Laboratory 3 hrs.

### **SPED 711 - Curriculum and Instruction - Science, History and Social Science**

Units: 2  
Introduction to science and social studies methods in general and special education; Foundations, assessment, instructional interventions, and curricular choices for special populations.  
Division: Credential/Licensure  
Requisites: Pre-requisite: EDUC 377(C) and admission to SPED program, or IA.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 2 hrs.

### **SPED 721 - Transition Planning**

Units: 3  
An in-depth examination of issues related to interdisciplinary consultation, collaboration, and implementation of transitional life experiences for students with mild to severe disabilities.  
Division: Credential/Licensure

Requisites: Pre-requisite: admission to SPED program.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 3 hrs.

### **SPED 722 - Autism Intervention Strategies**

Units: 2  
An in-depth examination of issues and practices related to intervention strategies for students with Autism.  
Division: Credential/Licensure  
Requisites: Pre-requisite: admission to SPED program and IA.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 2 hrs.

### **SPED 731 - Classroom Management**

Units: 1  
Credential candidates in special education learn a variety of skills and techniques to manage student behavior and create a positive learning environment.  
Division: Credential/Licensure  
Requisites: Pre-requisite: admission to SPED program, or IA.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 1 hr.

### **SPED 733 - Special Education Policies and Procedures**

Units: 2  
Introduction to Federal and State laws that govern the provision of special education services. Procedural mandates and safeguards, preparing and implementing successful individual education plans.  
Division: Credential/Licensure  
Requisites: Pre-requisite: EDUC 377(C) and admission to SPED program, or IA.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 2 hrs.

### **SPED 736 - Curricular and Instructional Skills Seminar**

Units: 1  
Students share curricular ideas, instructional methods and strategies; demonstrate teaching skills, self-assess, and problem solve issues encountered in the special and general education classroom.  
Division: Credential/Licensure  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 1 hr.

### **SPED 737 - Non-Violent Crisis Intervention- Special Populations**

Units: 1  
Students acquire verbal skills to de-escalate crises and nonviolent physical intervention skills to ensure safety of students with disabilities and other individuals in the environment.  
Division: Credential/Licensure  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 1 hr.

### **SPED 738 - Fall Special Education Student Teaching**

Units: 5-9  
Supervised student teaching all subjects for students with mild/moderate/severe disabilities to complete partial requirements for the Education Specialist Preliminary Credential under the supervision of a mentor teacher and university supervisor.  
Division: Credential/Licensure  
Permission to enroll: No Special Consent Required  
Grading mode: Mandatory CR/NC  
Weekly: Supervision hrs TBD

### **SPED 739 - Spring Special Education Student Teaching**

Units: 5-9

Supervised student teaching all subjects for students with mild/moderate/severe disabilities to complete partial requirements for the Education Specialist Preliminary Credential under the supervision of a mentor teacher and university supervisor.

Division: Credential/Licensure

Permission to enroll: No Special Consent Required

Grading mode: Mandatory CR/NC

Weekly: Supervision hrs TBD

### **SPED 740 - Assessment and Program Planning: Severe Disabilities**

Units: 2

Evaluation, administration, scoring, and interpretation of formal and informal assessment instruments. Use of assessment results to identify instructional needs of students with severe disabilities and plan individual education programs.

Division: Credential/Licensure

Requisites: Pre-requisite: admission to SPED program. Co-requisite: SPED 741.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 2 hrs.

### **SPED 741 - Practicum: Assessment and Program Planning for Severe Disabilities**

Units: 1

Supervised clinical experience with, and assessment of, children and youth with severe disabilities; individualized assessment, instruction, and evaluation of students with severe disabilities.

Division: Credential/Licensure

Requisites: Pre-requisite: admission to SPED program. Co-requisite: SPED 740.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Mandatory CR/NC

Weekly: Laboratory 3 hrs.

### **SPED 742 - Curriculum and Differentiated Instruction: Severe Disabilities**

Units: 2

Introduction to core curricular methods, reading, math, science, history, and social science for students with severe disabilities. Foundation, assessment, instructional interventions, and curricular choices for special populations.

Division: Credential/Licensure

Requisites: Pre-requisite: admission to SPED program. Co-requisite: SPED 743 .

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 2 hrs.

### **SPED 744 - Communication Methods: Severe Disabilities**

Units: 2

Introduction to self-directed strategies, intervention techniques, and the use of technology to enhance social and interpersonal communication skills for students with severe disabilities.

Division: Credential/Licensure

Requisites: Pre-requisite: admission to SPED program. Co-requisite: SPED 745 .

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 2 hrs.

### **SPED 746 - Movement and Specialized Health Care: Severe Disabilities**

Units: 2

Introduction to movement, mobility, sensory, and specialized healthcare needs of students with severe disabilities. Students develop an understanding of the regulations and local policies regarding specialized health care in education settings.

Division: Credential/Licensure

Requisites: Pre-requisite: admission to SPED program. Co-requisite: SPED 747.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 2 hrs.

### **SPED 747 - Practicum: Movement and Specialized Health Care for Students with Severe Disabilities**

Units: 1

Guided observations and supervised fieldwork experiences in general and special education setting; curriculum, and assessment in movement, mobility, sensory, and specialized health care needs of students with severe disabilities.

Division: Credential/Licensure

Requisites: Pre-requisite: admission to SPED program. Co-requisite: SPED 746.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Mandatory CR/NC

Weekly: Laboratory 3 hrs.

### **SPED 777 - Education of Exceptional Individuals**

Units: 2

Cross-listed with: EDUC 377

Needs and characteristics of exceptional children. Current issues and trends in classroom management.

Division: Credential/Licensure

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 2 hrs.

### **SPED 799 - Directed Study**

Units: 1-3

Individual study; staff direction.

Division: Credential/Licensure

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Supervision hrs TBD

## **Special Programs**

### **SP 117 - College Seminar**

Units: 1

Information, skills, values, and attitudes helpful in becoming an active participant in the college learning process. Small group format.

Division: Lower Division

Requisites: Open only to students in their first or second semesters.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 0.5 hrs. Activity 1 hr.

### **SP 120 - Freshman Seminar**

Units: 1-2

Large group presentations and workshops on survival in college and learning skills development. Peer-led small groups focus on academic goals and social support for transition to college life. Establish connections to Cal Poly Humboldt community and learn to balance life inside and outside the classroom to achieve academic success.

Division: Lower Division  
Requisites: Open only to first-time freshmen.  
Permission to enroll: No Special Consent Required  
Grading mode: Mandatory CR/NC  
Weekly: Seminar hrs TBD

### **SP 121S - Issues in Community Volunteering**

Units: 1  
Volunteer roles, particularly in direct relationships. Issues appropriate to specific programs (e.g. foster youth, homelessness, senior citizens). May involve a Cal Poly Humboldt program and/or committees or campus governance.

Division: Lower Division  
Requisites: Open only to first-time freshmen.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Mandatory CR/NC  
Zero cost course materials: No Course Materials Required  
Service learning course: Yes  
Weekly: Tutorial hrs TBD

### **SP 280 - Special Topics**

Units: 1-4  
Division: Lower Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture hrs TBD

### **SP 380 - Selected Topics**

Units: 1-4  
Division: Upper Division  
Requisites: Open only to first-time freshmen.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Mandatory CR/NC  
Weekly: Lecture hrs TBD

## **Statistics**

### **STAT 8 - Support for Elementary Statistics**

Units: 1  
Integrated support for development of quantitative reasoning in Elementary Statistics (STAT 108I). No degree credit.  
Division: Support  
Requisites: Co-requisite: STAT 108I.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Activity 2 hrs. Tutorial hrs TBD

### **STAT 108 - Elementary Statistics**

Units: 3  
Rudimentary data collection, descriptive statistics of univariate and bivariate data, probability, random variables, discrete and continuous distributions. Foundational concepts of confidence intervals and hypothesis tests. Use and abuse of statistics.  
Division: Lower Division  
Requisites: Pre-requisite: Math placement category I, II or III or ALEKS PPL assessment score over 45.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE B4: Mathematical Reasoning  
Weekly: Lecture 3 hrs.

### **STAT 108I - Elementary Statistics with Integrated Support**

Units: 3  
Introductory statistics with integrated support to aid comprehension. Data collection, descriptive statistics, bivariate data, probability, probability distributions. Foundational concepts of confidence intervals and hypothesis tests. Use and abuse of statistics. Open to students in

Math placement category III or IV.  
Division: Lower Division  
Requisites: Co-requisite: STAT 8.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE B4: Mathematical Reasoning  
Weekly: Lecture 3 hrs.

### **STAT 109 - Introductory Biostatistics**

Units: 4  
Descriptive statistics, probability, random variables, discrete and continuous distributions, confidence intervals, contingency tests, regression and correlation, tests of hypothesis, analysis of variance. Emphasis: methods and applications used in the biological and natural resource sciences.  
Division: Lower Division  
Requisites: Pre-requisite: MATH 101 or MATH 101I or MATH 102 or ALEKS PPL assessment score over 65. MATH 102 may be taken concurrently with instructor approval.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE B4: Mathematical Reasoning  
Weekly: Lecture 3 hrs. Activity 2 hrs.

### **STAT 280 - Selected Topics in Statistics**

Units: 1-3  
Topics accessible to lower division students.  
Division: Lower Division  
Repeats: Repeatable for Credit  
Permission to enroll: Instructor Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture hrs TBD

### **STAT 323 - Probability Theory and Mathematical Statistics**

Units: 4  
Probability axioms; probability distributions of discrete and continuous random variables and their properties; concepts of marginal and conditional probability. Mathematical expectation; moments and moment generating functions. Likelihood and statistical estimation, data analysis using software. Emphasis: mathematical theory.  
Division: Upper Division  
Requisites: Pre-requisite: STAT 109 and (MATH 215 or MATH 210). MATH 210 may be taken concurrently.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 3 hrs. Activity 2 hrs.

### **STAT 333 - Linear Regression Models/ANOVA**

Units: 4  
Linear regression, analysis of variance, and other linear models applied to experimental and observational studies. course emphasizes model formulation, assumptions, selection, and interpretation in both hypothesis-testing and descriptive contexts.  
Division: Upper Division  
Requisites: Pre-requisite: MATH 101 or MATH 101I or MATH 102 or equivalent, and STAT 108 or STAT 108I or STAT 109.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs. Activity 2 hrs.

### **STAT 404 - Multivariate Statistics**

Units: 4  
Co-listed with: STAT 504  
Explore and model multivariate systems. Matrix algebra, correlation matrices, principal components, common factors, canonical correlation. Use and interpret computer-assisted analysis.  
Division: Upper Division  
Requisites: Pre-requisite: STAT 108 or STAT 108I or STAT 109.  
Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis  
Weekly: Seminar 3 hrs. Activity 2 hrs.

### **STAT 406 - Sampling Design and Analysis**

Units: 4  
Randomized sample surveys are used for natural resource monitoring, election polling, plant abundance estimation, and other purposes. This course presents approaches to sample selection and to inference/estimation from sample data.  
Division: Upper Division  
Requisites: Pre-requisite: STAT 109 or equivalent.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs. Activity 2 hrs.

### **STAT 410 - Modern Statistical Modeling**

Units: 4  
Contemporary methods in statistics that provide tools for analyzing complex datasets: generalized linear modeling, model selection strategies, Bayesian statistical analysis and inference, mixed effects modeling, and ARIMA time series analysis.  
Division: Upper Division  
Requisites: Pre-requisite: STAT 108 or STAT 108I or STAT 109.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 3 hrs. Activity 2 hrs.

### **STAT 480 - Selected Topics in Statistics**

Units: 1-3  
Division: Upper Division  
Repeats: Repeatable for Credit  
Permission to enroll: Instructor Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar hrs TBD

### **STAT 499 - Directed Study**

Units: 0.5-3  
Directed reading and conferences on special topics.  
Division: Upper Division  
Repeats: Repeatable for Credit  
Permission to enroll: Instructor Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Supervision hrs TBD

### **STAT 504 - Multivariate Statistics**

Units: 4  
Co-listed with: STAT 404  
Meets jointly with STAT 404. Students in STAT 504 are expected to carry out an additional project and report findings. Recommended preparation: matrix algebra highly recommended.  
Division: Graduate  
Requisites: Pre-requisite: STAT 109 or equivalent.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 3 hrs. Activity 2 hrs.

### **STAT 506 - Sampling Design and Analysis**

Units: 4  
Meets jointly with STAT 406. Students in STAT 506 expected to carry out additional independent sampling project and report findings in class.  
Division: Graduate  
Requisites: Pre-requisite: STAT 109 or equivalent.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs. Activity 2 hrs.

### **STAT 510 - Modern Statistical Modeling**

Units: 4  
Meets jointly with STAT 410. Students in STAT 510 are expected to carry out an additional project and report findings.

Division: Graduate  
Requisites: Pre-requisite: STAT 109 or STAT 108 or STAT 108I.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 3 hrs. Activity 2 hrs.

### **STAT 580 - Selected Topics in Statistics**

Units: 1-3  
Division: Graduate  
Repeats: Repeatable for Credit  
Permission to enroll: Instructor Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar hrs TBD

### **STAT 630 - Data Collection and Analysis**

Units: 4  
Practicum in data collection and analysis. Design and implement data collection and analysis. Recommended preparation: probability and statistics, programming experience, grad standing.  
Division: Graduate  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs. Laboratory 3 hrs.

### **STAT 699 - Independent Study**

Units: 0.5-3  
Directed reading and conferences in special topics.  
Division: Graduate  
Repeats: Repeatable for Credit  
Permission to enroll: Instructor Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Supervision hrs TBD

## **Theatre Arts**

For courses marked with an asterisk (\*), frequency depends on staff resources/student need.

### **TA 104 - Story Through Word and Image**

Units: 4  
Universal and archetypal principles of story with an emphasis on using images and words for creating stories for theatre and film.  
Division: Lower Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE C1: Arts  
Zero cost course materials: Zero Cost Course Materials  
Weekly: Lecture 4 hrs.

### **TA 105 - Acting 1: Principles of Performance**

Units: 3  
Theatre games, improvisation, movement, voice. Techniques applicable first to the individual and second to principles of performance in film and theatre.  
Division: Lower Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE C1: Arts  
Weekly: Lecture 2 hrs. Activity 2 hrs.

### **TA 106 - Behind the Scenes in Theatre**

Units: 3  
Guest lectures on scenery, lighting, costumes, playwriting, choreography, and other phases of theatre, film, and dance production. Discuss and help to prepare plays, dances, and films in production.  
Division: Lower Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE C1: Arts

Zero cost course materials: Zero Cost Course Materials  
Weekly: Lecture 2 hrs. Tutorial hrs TBD

### **TA 107 - Dramatic Writing**

Units: 3  
Basic principles including structure, dramatic action, and characterization. Exercises and writing projects in writing for stage and film.  
Division: Lower Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE C1: Arts  
Weekly: Lecture 2 hrs. Activity 2 hrs.

### **TA 215 - Acting 2: Principles of Voice and Movement**

Units: 4  
Introduction of fundamental physical and vocal techniques for the performer, including body awareness, voice production, phonetics and dialect work, and continued developed performance practices and theory with an emphasis on canon works.  
Division: Lower Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: Zero Cost Course Materials  
Weekly: Lecture 4 hrs.

### **TA 221 - Makeup for Stage and Screen**

Units: 2  
Theories and practical experience in a lab/lecture situation.  
Division: Lower Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 1 hr. Activity 2 hrs.

### **TA 231 - Production and Stage Management**

Units: 2  
Explores the relationship between stage and production management through vocabulary acquisition, historical perspectives, communication tools, and hands-on management projects. Cal Poly Humboldt's production model and world theatre models are examined.  
Division: Lower Division  
Permission to enroll: No Special Consent Required  
Grading mode: Mandatory Letter Grade  
Weekly: Lecture 2 hrs.

### **TA 237 - Production Techniques**

Units: 3  
Tools/techniques to realize the visual aspects of production safely. Explores relationships between design, use, and construction techniques.  
Division: Lower Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs.

### **TA 307 - Theatre of the Oppressed**

Units: 3  
Survey/ apply this collection of techniques, exercises, and games. Explore theatre as a tool of social and political activism.  
Division: Upper Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE UD Area C: Art & Humanities  
All University Requirements: DCG: Domestic  
Zero cost course materials: Zero Cost Course Materials  
Weekly: Lecture 2 hrs. Activity 2 hrs.

### **TA 315 - Advanced Principles of Acting for the Stage**

Units: 4  
Advanced theories and techniques to strengthen on-stage performance. Emphasis on modern dramatic scripts, effective practices, and the professional expectations of the theatre industry.  
Division: Upper Division  
Requisites: Pre-requisite: TA 105 or TA 215.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: Zero Cost Course Materials  
Weekly: Lecture 4 hrs.

### **TA 322 - Creative Drama**

Units: 3  
Theatre games, movement, storytelling, improvisation, and role playing interrelate in original dramatizations that develop children's creative capacities. Culminates in lab situations with elementary children. Occasional off-campus field trip during school hours or on weekend.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 2 hrs. Activity 2 hrs.

### **TA 328 - Production Practicum**

Units: 1  
Required laboratory course for students' participation in departmental mainstage productions. Opportunities include acting, design, stage management, house management, publicity, directing/assistant directing, and run crews.  
Division: Upper Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Mandatory CR/NC  
Weekly: Tutorial hrs TBD

### **TA 331 - Scenic Design and Art Direction**

Units: 4  
Design of scenic environment for stage and film. Skills in, and consideration of symbolic expression, visual aesthetics, and practical necessity. Foundation in props, model building, scene painting, and computer applications. Occasional off-campus field trip during school hours or on weekend.  
Division: Upper Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 4 hrs.

### **TA 333 - Lighting Design Stage and Screen**

Units: 4  
Stage and film lighting design as sculptural, symbolic, and emotional compositions in theory and practice. Frequency depends on staff resources/student need.  
Division: Upper Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 4 hrs.

### **TA 336 - Costume Design Stage and Screen**

Units: 4  
Skills for designing and producing costumes for stage, film, and television. Includes color theory, fabric options, and scale. Frequency depends on staff resources/student need.  
Division: Upper Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 4 hrs.



### **TA 340 - Theatre History and Criticism I**

Units: 4

Intellectual, cultural, artistic and introductory critical theory perspectives in international theatre history and dramatic literature from 5th century BCE through Elizabethan era.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 4 hrs.

### **TA 341 - Theatre History and Criticism II**

Units: 4

Intellectual, cultural, artistic and introductory critical theory perspectives in international and multicultural theatre history and dramatic literature from 18th century through Post-Modernism.

Frequency depends on staff resources/student need.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

All University Requirements: DCG: Non-Domestic

Weekly: Lecture 4 hrs.

### **TA 367 - Performance Workshop**

Units: 1-4

Special topics in stage performance and actor training. Subject and areas of focus vary.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Mandatory Letter Grade

Weekly: Activity hrs TBD

### **TA 377 - Kennedy Center American College Theatre Festival**

Units: 1

Workshop for students who are selected to participate at KCACTF. Departmental application process required.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Activity 2 hrs.

### **TA 387 - Design and Technology Workshop**

Units: 1-4

Special topics in theatre design and technology. Structure and curriculum varies. Appropriate skill level or knowledge required depending on curriculum.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Activity hrs TBD

### **TA 415 - Acting for the Camera**

Units: 4

Advanced theories and techniques to strengthen on-camera performance. Emphasis on screenplays, effective practices, and the professional expectations of the tv/film industry.

Division: Upper Division

Requisites: Pre-requisite: TA 105 or TA 215.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 4 hrs.

### **TA 451 - Principles of Stage Directing**

Units: 4

Students learn the principles and aesthetics of stage directing, including script analysis, character development, creative collaboration, and physical staging. Frequency depends on staff resources/student need.

Division: Upper Division

Requisites: Pre-requisite: junior or senior standing.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Lecture 4 hrs.

### **TA 480 - Special Topics in Theatre Arts**

Units: 1-4

Variable topics. Check with Department for upcoming topics.

Frequency depends on staff resources/student need.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: Zero Cost Course Materials

Weekly: Activity hrs TBD

### **TA 494 - Senior Seminar**

Units: 2

Exploration and discussion of current trends and topics in the cinematic and performing arts. Examination of creativity and the life of the artist in contemporary society. Resume/reel/portfolio preparation and presentation techniques.

Division: Upper Division

Requisites: Pre-requisite: at least 20 units of Theatre Arts or Film classes.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Weekly: Seminar 2 hrs.

### **TA 499 - Directed Study**

Units: 1-6

Individual work on selected problems in Theatre. Frequency depends on staff resources/student need.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required

Weekly: Supervision hrs TBD

## **Watershed Management**

UPPER DIVISION

In all classes, weekend trips may substitute for some scheduled labs or lectures. Labs may begin before 8:00 A.M. and last over three hours, allowing for travel.

### **WSHD 310 - Hydrology and Watershed Management**

Units: 4

Hydrologic considerations of forest roads, stream crossings, road drainage. Management influences on hydrologic processes and aquatic habitat; protecting salmonid resources.

Division: Upper Division

Requisites: Pre-requisite: Lower Division GE Area B Physical Universe Requirement, or IA.

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Related

Weekly: Lecture 3 hrs. Laboratory 3 hrs.

### **WSHD 333 - Wildland Water Quality**

Units: 3

Evaluation and management of non-point source effects on wildland streams (e.g., sedimentation, stream heating, and habitat change) from range and forest management activities.

Division: Upper Division

Requisites: Pre-requisite: CHEM 107.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis  
Sustainability: Sustainability Related  
Weekly: Seminar 3 hrs.

#### **WSHD 424 - Watershed Hydrology**

Units: 3  
Co-listed with: WSHD 524  
Hillslope and fluvial hydrology. Water quality. Watershed management: analysis, planning, cumulative effects.  
Division: Upper Division  
Requisites: Pre-requisite: WSHD 310 or IA.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Focused  
Weekly: Lecture 2 hrs. Laboratory 3 hrs.

#### **WSHD 458 - Climate Change and Land Use**

Units: 3  
Implications of climate change for terrestrial and aquatic resources. Overview of projected shifts in weather and climate. Influence of land use decisions on global carbon cycle in forests, agriculture and wetlands.  
Division: Upper Division  
Requisites: Pre-requisite: BOT 105 or BIOL 105, CHEM 107 or CHEM 109.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Focused  
Weekly: Lecture 3 hrs.

#### **WSHD 524 - Advanced Watershed Hydrology**

Units: 3  
Co-listed with: WSHD 424  
Meets jointly with WSHD 424. Students enrolled in WSHD 524 are expected to carry out additional independent analyses of watershed hydrology topics and deliver a lecture on an independent topic.  
Division: Graduate  
Requisites: Pre-requisite: WSHD 310 or IA.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Focused  
Weekly: Lecture 2 hrs. Laboratory 3 hrs.

#### **WSHD 558 - Advanced Climate Change and Land Use**

Units: 3  
Meets jointly with WSHD 458. Students enrolled in WSHD 558 are expected to carry out additional independent analyses of climate change and land use and deliver a lecture on an independent topic.  
Division: Graduate  
Requisites: Pre-requisite: CHEM 107 or CHEM 109, BOT 105 or BIOL 105.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Focused  
Weekly: Lecture 3 hrs.

#### **WSHD 685 - Forest Hydrology Seminar**

Units: 1-2  
Review of research and literature for forest hydrology subjects. May include presentations by class members or resource people.  
Division: Graduate  
Requisites: Pre-requisite: WSHD 310 (C) or IA.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Mandatory CR/NC  
Course fees: See class schedule for fee information  
Weekly: Seminar hrs TBD

## **Wildlife**

### **UPPER DIVISION**

In all classes, weekend trips may substitute for some scheduled labs, lectures, or discussions. Labs may begin before 8:00 A.M. and last more than three hours, allowing for travel.

#### **WLDF 111 - Introduction to Wildlife**

Units: 1  
Introduction to the scope of the wildlife management & conservation fields: animals involved, founding scientific principles, current issues, career paths and guest speakers.  
Division: Lower Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Mandatory CR/NC  
Sustainability: Sustainability Related  
Zero cost course materials: Zero Cost Course Materials  
Weekly: Activity 2 hrs.

#### **WLDF 210 - Introduction to Wildlife Conservation and Administration**

Units: 3  
History of relationship between wildlife and people, including laws and regulatory agencies. Different cultural perspectives.  
Division: Lower Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Related  
Weekly: Lecture 2 hrs. Seminar 1 hr.

#### **WLDF 244 - Wildlife Policy and Animal Welfare**

Units: 1  
Roles of policy, values, ethics, and animal welfare in research and the management of wildlife. Review relevant laws, with emphasis on Animal Welfare Act.  
Division: Lower Division  
Permission to enroll: No Special Consent Required  
Grading mode: Mandatory CR/NC  
Sustainability: Sustainability Related  
Weekly: Seminar 1 hr.

#### **WLDF 300B - Wildlife Ecology and Management**

Units: 3  
Important wildlife habitats and their characteristic plants/animals. Identification, life histories, and ecology of important species. Scientific principles upon which field is founded. GE. B-UD for nonmajors; may not count for credit by majors  
Division: Upper Division  
Requisites: Pre-requisite: lower division science GE.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE UD Area B: Math & Science  
Weekly: Lecture 3 hrs.

#### **WLDF 301 - Principles of Wildlife Management**

Units: 3  
Plant / animal ecology; population dynamics; philosophy.  
Division: Upper Division  
Requisites: Pre-requisite: MATH 101T or MATH 102; WLDF 210 or ESM 105; BIOL 105 or BOT 105 or ZOOL 110.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE UD Area B: Math & Science  
Weekly: Lecture 2 hrs. Second Lecture 1 hr.

#### **WLDF 309 - Case Studies in Environmental Ethics**

Units: 3  
Human influence on distribution of world's fauna. Ethical perspectives.  
Division: Upper Division  
Requisites: Pre-requisite: completed lower division GE area B.

Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE UD Area B: Math & Science, GE UD Area C:  
Art & Humanities, GE UD Area D: Social Sciences  
Sustainability: Sustainability Related  
Zero cost course materials: Zero Cost Course Materials  
Weekly: Lecture 3 hrs.

### **WLDF 311 - Wildlife Techniques**

Units: 4  
Management and research techniques.  
Division: Upper Division  
Requisites: Pre-requisite: WLDF 244, WLDF 301, STAT 109 or equivalent; or IA.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 2 hrs. Laboratory 3 hrs. Seminar 1 hr.

### **WLDF 365 - Ornithology I**

Units: 3  
Classification, life histories, ecology, behavior, and special adaptations of birds. Identification in field and lab.  
Division: Upper Division  
Requisites: Pre-requisite: BIOL 105 and ZOOL 110, or their equivalents.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: Zero Cost Course Materials  
Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **WLDF 420 - Wildlife Management (Waterfowl)**

Units: 3  
Life histories, ecology, behavior, management of waterfowl and allied species.  
Division: Upper Division  
Requisites: Pre-requisite: WLDF 311; WLDF 365.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Related  
Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **WLDF 422 - Wildlife Management (Mammals)**

Units: 3  
Life histories, ecology, management.  
Division: Upper Division  
Requisites: Pre-requisite: WLDF 311, ZOOL 356, or IA.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Related  
Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **WLDF 423 - Wildlife Management (Nongame Wildlife)**

Units: 3  
Life histories, special management considerations. Specific taxonomic/ecological groups vary.  
Division: Upper Division  
Requisites: Pre-requisite: WLDF 311.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Related  
Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **WLDF 426 - Field Trip**

Units: 1-3  
Group tour of important wildlife management developments and/ or wildlife and their habitats.  
Division: Upper Division

Requisites: Pre-requisite: WLDF 311 or IA.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Laboratory hrs TBD

### **WLDF 430 - Ecology and Management of Wetland Habitats for Wildlife**

Units: 3  
Historical, ecological, and management implications of manipulating wetland habitats to benefit wildlife.  
Division: Upper Division  
Requisites: Pre-requisite: WLDF 311 or IA.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Related  
Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **WLDF 431 - Ecology and Management of Upland Habitats for Wildlife**

Units: 3  
Theoretical and applied considerations for managing upland habitats to benefit wildlife species.  
Division: Upper Division  
Requisites: Pre-requisite: WLDF 311 or IA.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Related  
Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **WLDF 450 - Principles of Wildlife Diseases**

Units: 3  
Role of disease in wildlife populations; host/ parasite relationships; strategies in controlling diseases.  
Division: Upper Division  
Requisites: Pre-requisite: BIOL 105, WLDF 301, ZOOL 110; or their equivalents.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **WLDF 460 - Conservation Biology**

Units: 3  
Endangered species management, reserve design, conservation genetics, related concepts.  
Division: Upper Division  
Requisites: Pre-requisite: WLDF 301 (BIOL 330 may substitute), or IA.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Related  
Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **WLDF 464 - Urban Wildlife Ecology**

Units: 3  
Fundamentals of urban ecology, field methods including urban wildlife and human surveys, and urban wildlife management and conservation strategies.  
Division: Upper Division  
Requisites: Pre-requisite: WLDF 311.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Related  
Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **WLDF 468 - Spatial Wildlife Ecology**

Units: 3  
Methods and theory for studying spatial wildlife relationships; home range analysis; habitat selection and distribution models; corridor modeling and connectivity.  
Division: Upper Division

Requisites: Pre-requisite: WLDF 311, and GSP 270, or IA.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **WLDF 475 - Wildlife Ethology**

Units: 3  
Behavior of vertebrates. Relationships between animal behavior and wildlife management/research.  
Division: Upper Division  
Requisites: Pre-requisite: WLDF 311 or equivalent, or IA.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **WLDF 478 - Ecology of Wildlife Populations**

Units: 3  
Factors influencing growth, regulation, structure, and fluctuations of wildlife populations. Population growth, competition, and predator/prey models.  
Division: Upper Division  
Requisites: Pre-requisite: WLDF 311 or IA.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Related  
Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **WLDF 480 - Selected Topics in Wildlife Management**

Units: 1-3  
Division: Upper Division  
Repeats: Repeatable for Credit  
Permission to enroll: Instructor Consent Required  
Grading mode: Mandatory CR/NC  
Zero cost course materials: Zero Cost Course Materials  
Weekly: Seminar hrs TBD

### **WLDF 482 - Wildlife Conclave**

Units: 1  
Preparation for student competitions in discipline of wildlife management and conservation; research presentation, professional development, networking.  
Division: Upper Division  
Requisites: Pre-requisite: Wildlife majors only.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Mandatory CR/NC  
Sustainability: Sustainability Related  
Zero cost course materials: Zero Cost Course Materials  
Weekly: Tutorial hrs TBD

### **WLDF 485 - Senior Seminar in Wildlife Management**

Units: 1  
Oral presentation of topic from current literature.  
Division: Upper Division  
Requisites: Pre-requisite: WLDF 311 and senior standing.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 1 hr.

### **WLDF 490 - Honors Thesis**

Units: 3  
Independent research conducted under faculty supervision.  
Division: Upper Division  
Requisites: Pre-requisite: WLDF 311 and GPA 3.0 or higher. Must take in last semester or IA.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis

Zero cost course materials: No Course Materials Required  
Weekly: Supervision hrs TBD

### **WLDF 492S - Senior Project, Service**

Units: 3  
Independent service learning with a professional partner engaged in wildlife management and conservation. Coursework includes pre- and post-service reflection, report writing, and professional presentation. Recommended preparation: at least one additional 400-level WLDF course.  
Division: Upper Division  
Requisites: Pre-requisite: WLDF 311, senior standing, and IA.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Service learning course: Yes  
Weekly: Lecture 3 hrs.

### **WLDF 495 - Senior Project**

Units: 3  
Independent research, including proposal writing, fieldwork, and completion of a scientific paper.  
Division: Upper Division  
Requisites: Pre-requisite: WLDF 311. Must take in last semester or IA.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: Zero Cost Course Materials  
Weekly: Lecture 3 hrs.

### **WLDF 499 - Directed Study**

Units: 1-3  
Independent studies. Directed reading or conference. May not substitute for WLDF 485 or WLDF 495.  
Division: Upper Division  
Repeats: Repeatable for Credit  
Permission to enroll: Instructor Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Supervision hrs TBD

### **WLDF 510 - Advanced Principles of Wildlife Management**

Units: 1-5  
New theories, principles, techniques.  
Division: Graduate  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: Zero Cost Course Materials  
Weekly: Seminar hrs TBD

### **WLDF 531 - Advanced Wildlife Habitat Ecology**

Units: 2  
Theoretical and applied aspects of vertebrate habitat ecology: habitat selection study design, analysis, and interpretation; habitat quality, effects of spatial and temporal scale; habitat conservation and management.  
Division: Graduate  
Requisites: Pre-requisite: WLDF 311, and WLDF 430 or WLDF 431; or IA.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Related  
Weekly: Lecture 2 hrs.

### **WLDF 550 - Advanced Topics in Wildlife Diseases**

Units: 1-3  
Theories, concepts.  
Division: Graduate  
Requisites: Pre-requisite: WLDF 450.

Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar hrs TBD

### **WLDF 565 - Advanced Topics in Ornithology**

Units: 1-3  
Ecology and management of birds. Emphasis on individual work.  
Division: Graduate  
Requisites: Pre-requisite: WLDF 301, WLDF 365, WLDF 465; or IA.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar hrs TBD

### **WLDF 578 - Advanced Ecology of Wildlife Populations**

Units: 4  
Theory and practice of estimating demographic parameters in marked and unmarked populations. Emphasis on contemporary approaches to maximum likelihood parameter estimation with field-collected data. Individual projects are emphasized.  
Division: Graduate  
Requisites: Pre-requisite: STAT 333 and grad standing, or IA.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Related  
Weekly: Seminar 3 hrs. Laboratory 3 hrs.

### **WLDF 580 - Behavioral Ecology**

Units: 1-3  
Relationships between behavior, ecology, and management of wildlife populations.  
Division: Graduate  
Requisites: Pre-requisite: WLDF 475 or equivalent, or IA. Variable format: recitations, labs.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Related  
Weekly: Seminar hrs TBD

### **WLDF 585 - Seminar in Wildlife Management**

Units: 1-3  
Important current literature. Recitation.  
Division: Graduate  
Requisites: Pre-requisite: grad standing.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: Zero Cost Course Materials  
Weekly: Seminar hrs TBD

### **WLDF 690 - Thesis**

Units: 1-3  
Restricted to students in NR grad program, wildlife option.  
Division: Graduate  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Supervision hrs TBD

### **WLDF 695 - Advanced Field Problems**

Units: 1-3  
Directed field experience in individual thesis problems.  
Division: Graduate  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: Zero Cost Course Materials  
Weekly: Supervision hrs TBD

### **WLDF 699 - Independent Study**

Units: 1-3  
Selected problems.  
Division: Graduate  
Requisites: Pre-requisite: grad standing and IA.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Supervision hrs TBD

## **Women's Studies**

### **WS 106 - Introduction to Women's Studies**

Units: 3  
Experiences and perspectives of women of different ethnicities, social classes, sexualities, ages, and other points of intersection with gender.  
Division: Lower Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE D: Social Sciences  
All University Requirements: DCG: Domestic  
Weekly: Lecture 3 hrs.

### **WS 107 - Women, Narrative, History**

Units: 3  
Use frameworks of intersectional feminist theory and dominant and counter narratives to read and interpret memoir, autobiography, novels, essays, and poetry from diverse writers in the U.S.  
Division: Lower Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE C2: Humanities  
All University Requirements: DCG: Domestic  
Weekly: Lecture 3 hrs.

### **WS 280 - Selected Topics in Women's Studies**

Units: 1-4  
Division: Lower Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture hrs TBD

### **WS 300 - Psychology of Women**

Units: 3  
Individual and social characteristics and roles. Biological and environmental determinants of women's psychological development, including sex differences. Critique psychological theories/research.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE UD Area D: Social Sciences  
All University Requirements: DCG: Domestic  
Weekly: Lecture 3 hrs.

### **WS 303 - Anti-Colonial Women's Movements**

Units: 3  
Explores history and diversity of Anti-Colonial women's movements. Examines activism challenging (neo)colonialism, nationalism, and globalization. Analyzes organizing strategies, transnational networks, politics of representation, and local and global relations of privilege/oppression.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
General Education: GE UD Area D: Social Sciences  
All University Requirements: DCG: Non-Domestic  
Sustainability: Sustainability Related  
Weekly: Lecture 3 hrs.

**WS 306 - Sex, Class and Culture: Gender and Ethnic Issues in International Short Stories**

Units: 3

Cross-listed with: FREN 306, GERM 306, SPAN 306  
Gender and ethnic issues in French, German, and Spanish short stories by and about women. Readings, lectures, and discussions entirely in English.

Division: Upper Division

Requisites: Pre-requisite: junior standing or greater.

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE UD Area C: Art & Humanities

All University Requirements: DCG: Non-Domestic

Weekly: Lecture 3 hrs.

**WS 308B - Gender and Literature**

Units: 3

Cross-listed with: ENGL 308B

Analyze how literature (re)produces cultural conditions and attitudes about gender as it intersects with ethnicity, race, class, nation, and sexuality. Read works by diverse authors writing in multiple genres. Focused within the boundaries of the U.S.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE UD Area C: Art & Humanities

All University Requirements: DCG: Domestic

Weekly: Lecture 3 hrs.

**WS 308C - Gender and Literature**

Units: 3

Cross-listed with: ENGL 308C

Analyze how literature (re)produces cultural conditions and attitudes about gender as it intersects with ethnicity, race, class, nation, and sexuality. Read works by diverse authors writing in multiple genres. International/transnational in focus.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE UD Area C: Art & Humanities

All University Requirements: DCG: Non-Domestic

Weekly: Lecture 3 hrs.

**WS 309B - Gender and Communication**

Units: 3

Cross-listed with: COMM 309B

Critique relationship of gender to communication as viewed from perspectives of sciences, social sciences, and arts/humanities.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

General Education: GE UD Area C: Art & Humanities, GE UD Area D: Social Sciences

All University Requirements: DCG: Domestic

Weekly: Lecture 3 hrs.

**WS 316 - Gender and Society**

Units: 4

Cross-listed with: SOC 316

Nature of gender dynamics linking personal experiences to the structure and functioning of institutions, to cultural/subcultural aspects of society, and to interests of the powerful.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

All University Requirements: DCG: Domestic

Weekly: Lecture 4 hrs.

**WS 317 - Women and Development**

Units: 4

Cross-listed with: ANTH 317

Role of Third World women in domestic economies and wider political arenas. Focus on paradigm of "development" and differing cultural meanings of household and family.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Related

Weekly: Seminar 4 hrs.

**WS 318 - LGBTQIA+ Issues in Schools**

Units: 3

Cross-listed with: EDUC 318

Examine policy and pedagogical issues related to full participation of LGBTQIA+ people of diverse races, classes, abilities, and ethnicities in K-12 schools in the United States.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

All University Requirements: DCG: Domestic

Weekly: Lecture 3 hrs.

**WS 320 - Act to End Violence Seminar**

Units: 3

Transform our campus communities so that sexualized violence is an unthinkable act. Readings; group project. Focus rotates: grant writing, peer education, assessment of prevention education.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

Sustainability: Sustainability Related

Weekly: Lecture 3 hrs.

**WS 336 - U.S. Writers of Color**

Units: 4

Cross-listed with: ENGL 336, ES 336

Read U.S. writers of color and immigrant writers in social and literary contexts. Examine counter narratives and the creation of new literary traditions in the face of cultural and sociopolitical exclusion. Topics vary.

Division: Upper Division

Repeats: Repeatable for Credit

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

All University Requirements: DCG: Domestic

Weekly: Lecture 4 hrs.

**WS 340 - Ecofeminism**

Units: 3-4

Plurality of voices making up ecofeminism; theoretical, political, and spiritual dimensions.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis

All University Requirements: DCG: Non-Domestic

Sustainability: Sustainability Focused

Weekly: Lecture hrs TBD

**WS 350 - Health and Body Politics**

Units: 4

What constitutes "normal" versus "abnormal" bodies? How are disability justice, trans\* activists, and intersectional feminists working to create a more just world for every-BODY? Examines ableism, genderism/transphobia at intersection of other systems of injustice.

Division: Upper Division

Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis  
All University Requirements: DCG: Domestic  
Weekly: Lecture 4 hrs.

### **WS 370 - Queer Women's Lives**

Units: 3-4  
Explores research on sexual minority identity development, queer women's sexuality; love relationships, family models, and health issues. Analysis of intersections of race, gender, class, and sexuality in queer women's lives.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture hrs TBD

### **WS 436 - Human Sexuality**

Units: 3  
Cross-listed with: PSYC 436  
Physiological, psychological, and sociological aspects of human sexual behavior. Topics include conception, contraception, attitudes, orientation, and behaviors. Interdisciplinary approaches as appropriate.  
Division: Upper Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs.

### **WS 465B - Multicultural Issues in Literature/Languages**

Units: 4  
Cross-listed with: ENGL 465B, ES 465B  
Themes, genres, figures, theories, or movements in literary or linguistics study in relation to issues of ethnicity and/or gender.  
Division: Upper Division  
Requisites: Pre-requisite: ENGL 103 or ENGL 104 or ENGL 104S  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
All University Requirements: DCG: Domestic  
Weekly: Lecture 4 hrs.

### **WS 465C - Multicultural Issues in Literature/Languages**

Units: 4  
Cross-listed with: ENGL 465C, ES 465C  
Themes, genres, figures, theories, or movements in literary or linguistics study in relation to issues of ethnicity and/or gender.  
Division: Upper Division  
Requisites: Pre-requisite: ENGL 103 or ENGL 104 or ENGL 104S.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
All University Requirements: DCG: Non-Domestic  
Weekly: Lecture 4 hrs.

### **WS 480 - Selected Topics in Women's Studies**

Units: 1-5  
Interdisciplinary subjects and issues.  
Division: Upper Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar hrs TBD

### **WS 485 - Seminar in Feminist Studies**

Units: 3  
Capstone course on selected theme illustrating the transforming potential of feminist perspectives in personal, social and political contexts. Guest speakers; diverse applications.  
Division: Upper Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs.

### **WS 499 - Directed Study**

Units: 1-3  
Pursue own topic in consultation with faculty.  
Division: Upper Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Zero cost course materials: No Course Materials Required  
Weekly: Supervision hrs TBD

### **WS 680 - Environment and Community: Gender, Race, Class**

Units: 3  
Intensive study of socio-cultural dimension of environmental issues, focusing on intersections of race, class, gender, and environment.  
Rotating topics.  
Division: Graduate  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Sustainability: Sustainability Focused  
Weekly: Seminar 3 hrs.

## **World Languages & Cultures**

Also see Chinese, French, German, and Spanish.

### **WLC 110 - Language Laboratory**

Units: 1  
Must be taken with first and second year language courses. Self-directed, subscription-based online language course.  
Division: Lower Division  
Requisites: Co-requisite: WLC 120 .  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Activity 2 hrs.

### **WLC 480 - Special Topics**

Units: 1-4  
Topics from a multicultural or multi-language perspective.  
Division: Upper Division  
Repeats: Repeatable for Credit  
Permission to enroll: Instructor Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar hrs TBD

## **Zoology**

### **ZOOL 110 - Introductory Zoology**

Units: 4  
Structure, function, evolution, and diversity of major groups of animals.  
Division: Lower Division  
Requisites: Pre-requisite: BIOL 105.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs. Laboratory 3 hrs.

### **ZOOL 113 - Human Physiology**

Units: 4  
Physiological mechanisms of human body. Emphasis: organ level of integration. No credit toward a major in biology, botany, or zoology.  
Division: Lower Division  
Requisites: Pre-requisite: BIOL 104 or BIOL 105 with a grade of C- or higher, or equivalent. Must be a kinesiology or child development major.  
Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs. Laboratory 3 hrs.

### **ZOOL 198 - Supplemental Instruction**

Units: 1  
Collaborative work for students enrolled in Introductory Zoology.  
Division: Lower Division  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Mandatory CR/NC  
Weekly: Activity 2 hrs.

### **ZOOL 270 - Human Anatomy**

Units: 4  
Gross and microscopic anatomy of human body. Demonstrations on cadavers; microscopic work. Intended for Kinesiology and Pre-Professional Health students.  
Division: Lower Division  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 2 hrs. Laboratory 6 hrs.

### **ZOOL 310 - Animal Physiology**

Units: 4  
Comparative organ system physiology of animals. Adaptive strategies.  
Division: Upper Division  
Requisites: Pre-requisite: BIOL 105, ZOOL 110, CHEM 109, PHYX 106 or PHYX 109; all with grades of C- or higher.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 2 hrs. Laboratory 6 hrs.

### **ZOOL 312 - Human Physiology**

Units: 4  
Physiological chemistry, cell physiology, and physiology of major organ systems of the human body. Recommended preparation: ZOOL 110.  
Division: Upper Division  
Requisites: Pre-requisite: BIOL 105, and PHYX 118 or PHYX 107 or PHYX 211; all with grades of C- or higher.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs. Laboratory 3 hrs.

### **ZOOL 314 - Invertebrate Zoology**

Units: 5  
Comparative functional morphology, life histories, and phylogeny of invertebrates.  
Division: Upper Division  
Requisites: Pre-requisite: BIOL 105 and ZOOL 110; all with grades of C- or higher.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs. Laboratory 6 hrs.

### **ZOOL 316 - Freshwater Aquatic Invertebrates**

Units: 3  
Identification, behavior, life history. Insects, crustaceans, mollusks.  
Division: Upper Division  
Requisites: Pre-requisite: ZOOL 110.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **ZOOL 325 - Advanced Behavioral Neuroscience**

Units: 4  
Cross-listed with: PSYC 325  
Principles of behavioral neuroscience are reviewed, and then selected topics are covered in detail through lectures and reading original research articles. Required labs provide hands-on experience.

Division: Upper Division  
Requisites: Pre-requisite: PSYC 240 or PSYC 321 or BIOL 350 or ZOOL 310.

Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 3 hrs. Activity 2 hrs.

### **ZOOL 354 - Herpetology**

Units: 4  
Biology, classification, anatomy, distribution, and life histories of amphibians and reptiles.  
Division: Upper Division  
Requisites: Pre-requisite: BIOL 105 and ZOOL 110; all with grades of C- or higher.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 2 hrs. Laboratory 6 hrs.

### **ZOOL 356 - Mammalogy**

Units: 3  
Comparative mammalian biology. Systematics, morphology, behavior, reproduction, physiology, ecology, zoogeography.  
Division: Upper Division  
Requisites: Pre-requisite: BIOL 105 and ZOOL 110; all with grades of C- or higher.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 2 hrs. Laboratory 3 hrs.

### **ZOOL 358 - General Entomology**

Units: 4  
Classification, identification, anatomy, physiology, ecology, behavior, control of insects.  
Division: Upper Division  
Requisites: Pre-requisite: BIOL 105 and ZOOL 110; all with grades of C- or higher.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 2 hrs. Laboratory 6 hrs.

### **ZOOL 370 - Comparative Anatomy of the Vertebrates**

Units: 4  
Anatomy of organs/systems of various vertebrate classes and cephalochordates. Evolutionary derivations; adaptive significance.  
Division: Upper Division  
Requisites: Pre-requisite: BIOL 105 and ZOOL 110; all with grades of C- or higher.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Lecture 2 hrs. Laboratory 6 hrs.

### **ZOOL 430 - Comparative Animal Behavior**

Units: 4  
Vertebrates and invertebrates. Development of modern principles of ethology.  
Division: Upper Division  
Requisites: Pre-requisite: BIOL 105 and ZOOL 110.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 2 hrs. Laboratory 6 hrs.

### **ZOOL 476 - Principles of Animal Development**

Units: 4  
Mechanisms of differentiation at molecular, cellular, and tissue levels. Descriptive morphology of embryonic development in invertebrate and vertebrate model organisms.  
Division: Upper Division  
Requisites: Pre-requisite: BIOL 350 and ZOOL 110.  
Permission to enroll: No Special Consent Required



Grading mode: Optional Grade Basis  
Weekly: Seminar 3 hrs. Laboratory 3 hrs.

**ZOOL 480 - Selected Topics in Zoology**

Units: 0.5-3  
Topics in response to current advances and as demand warrants.  
Division: Upper Division  
Repeats: Repeatable for Credit  
Permission to enroll: Instructor Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar hrs TBD

**ZOOL 480L - Selected Topics in Zoology**

Units: 0.5-3  
Topics in response to current advances and as demand warrants.  
Division: Upper Division  
Repeats: Repeatable for Credit  
Permission to enroll: Instructor Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Laboratory hrs TBD

**ZOOL 530 - Benthic Ecology**

Units: 3  
Sublittoral marine environment. Original literature on synecological investigations. Field/lab: detailed analysis of benthic communities.  
Division: Graduate  
Requisites: Pre-requisite: BIOL 430 and ZOOL 314, or equivalent.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 2 hrs. Laboratory 3 hrs.

**ZOOL 552 - Advanced Invertebrate Zoology**

Units: 3  
Typically focuses either on a particular taxon (Crustacea, Mollusca) or special field (behavior, systematics, functional morphology, feeding strategies).  
Division: Graduate  
Requisites: Pre-requisite: ZOOL 314 or equivalent.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 2 hrs. Laboratory 3 hrs.

**ZOOL 556 - Marine Mammalogy**

Units: 4  
Comparative biology. Systematics, habits, adaptive modifications, history of whaling.  
Division: Graduate  
Requisites: Pre-requisite: ZOOL 356 or equivalent.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Course fees: See class schedule for fee information  
Weekly: Seminar 2 hrs. Laboratory 6 hrs.

**ZOOL 560 - Advanced Mammalogy**

Units: 4  
Assigned readings; field and lab investigations.  
Division: Graduate  
Requisites: Pre-requisite: ZOOL 356.  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Seminar 2 hrs. Laboratory 6 hrs.

**ZOOL 580 - Selected Topics in Zoology**

Units: 1-3  
Topics based on current advances and as demand warrants.  
Division: Graduate  
Requisites: Pre-requisite: grad standing and IA.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required

Grading mode: Optional Grade Basis  
Weekly: Seminar hrs TBD

**ZOOL 580L - Selected Topics in Zoology**

Units: 1-3  
Topics based on current advances and as demand warrants.  
Division: Graduate  
Requisites: Pre-requisite: grad standing and IA.  
Repeats: Repeatable for Credit  
Permission to enroll: No Special Consent Required  
Grading mode: Optional Grade Basis  
Weekly: Laboratory hrs TBD

# Academic Advising & Resources

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## Academic Advising

At Cal Poly Humboldt, academic advisors play a vital role in a student's educational experience using a developmental academic advising approach. Developmental academic advising is an intentional process that facilitates students' academic, professional, and personal development. Using student development theory to establish learning outcomes, advisors help students get the most out of their college experience. By honoring students' identities and lived experiences, they connect students to campus and community resources, provide information about opportunities to enhance their education (e.g. study abroad, internships) support timely progress to degree, and discuss how students can integrate their education into their personal and professional goals. Students are encouraged to meet with their advisor throughout the academic year and must meet at least once a semester to review their 3-semester DARS degree plan and to facilitate registration for their next term.

## Academic & Career Advising Center

The ACAC helps students reach their potential personally, academically, and professionally. We start with their transition to college by providing resources, academic advising, and a road map for gaining the most from their college experience. Cal Poly Humboldt is in the process of transitioning to professional academic advisors for all first- and second-year students with students in their third year and beyond assigned to a faculty academic advisor in their major. Visit the Academic & Career Advising Center website for information and resources.

## Cultural Centers for Academic Excellence

### El Centro Académico Cultural de Humboldt

El Centro works primarily with students of Latin American descent in navigating pathways to success that honors and respects their cultural and historical trajectory. Visit the El Centro Académico Cultural de Humboldt website to learn more about the cultural and academic programs, events and resources.

### Indian Tribal and Educational Personnel Program (ITEPP)

ITEPP, established in 1969, provides academic advising, co-curricular programming, educational planning, and academic support focused on Indigenous methods of learning and community accountability. ITEPP provides Native students with a sense of belonging centered around cultural values, beliefs, and traditions that assist students in navigating higher education with confidence, which builds self-efficacy. Students receive valuable leadership skills, access to scholarships & internship opportunities, connection to local tribes, agencies, and resources. To sum it up, participants will find a "home away from home" atmosphere at the ITEPP house, nurtured by caring staff. Visit the Native American Center website for information about services, resources and events.

### Social Justice, Equity, and Inclusion Center

Our main goal is to allow students to get involved, and feel at home within the Humboldt community. We provide a welcoming space, where we encourage dialogue centered around diversity, social justice, equity, and inclusion. Visit the Social Justice, Equity, and Inclusion website to learn about the center, resources, events and academic internships.

### Umoja Center for Pan African Student Excellence

The Center is a Pan African cultural community of students who self identify with any the diverse identities represented within the African diaspora. We are part of an effort to elevate the level of African diasporic knowledge. This cultural community seeks to uplift and support its students academically, professionally and personally through advising and mentorship. Visit the Umoja Center for Pan African Student Excellence website to learn about the center, resources, and events.

## Indian Natural Resources, Science & Engineering Program

The Indian Natural Resources, Science & Engineering Program + Diversity in STEM (INRSEP+) provides academic and research support to students from groups historically underrepresented in science, technology, engineering and mathematics fields with an enhanced focus on American Indian students. For more information see the INRSEP website.

## Pre-Law Advising

The campus pre-law advisors provide guidance for applying and attending law school, pursuing other law related careers. Visit the Pre-Law Advising website for more information.

## Pre-Professional Health Advising

Pre-professional advising for admission to health science professional schools (including medical, dental, veterinary, optometry, and pharmacy) is available from designated faculty in the Biological Sciences and Chemistry departments. See Pre-Professional Health in the catalog.

## Community Service

### Center for Community Based Learning

The Center for Community Based Learning (CCBL) is the campus hub for service learning and internship courses that apply classroom learning to address community needs. CCBL supports the students and faculty involved in these courses, while coordinating hundreds of approved community learning sites, many of which are located right here in Humboldt County. More information is available on the Center for Community Based Learning website.

### Youth Educational Services (YES)

YES offers leadership and volunteer opportunities through student-directed programs addressing social issues and under-met needs in the community. These programs engage with children, youth, seniors, LGBTQIA+ and marginalized cultural communities, families experiencing homelessness and the environment. More information is available on the Youth Educational Services website.

## Resources

### Educational Opportunity Program (EOP) & Student Support Services

The Educational Opportunity Program and Student Support Services provide admissions assistance and academic support for low-income and first-generation college students. The program is designed to improve access and retention of historically low-income and educationally disadvantaged students.

Once admitted into the EOP or Student Support Services program, students receive academic and financial aid advising, tutoring, learning skills assistance, mentoring, and participate in academic enrichment activities designed to enhance academic success.

## Learning Center

The Learning Center supports academic performance and helps students progress to degree through skill development, tutoring, and structured collaborative learning. Visit the Learning Center website for information on tutoring, supplemental instruction, the writing studio and more.

## Library

The Cal Poly Humboldt Library offers a welcoming and creative learning environment for our diverse population of students and supports research and scholarship with services and resources, including collaborative workspaces, quiet spaces, research help, textbooks, digital media equipment, the Makerspace, workshops, events, and more. Visit the Library website for more information, to connect with a librarian, or to access materials you need to succeed.

## Student Disability Resource Center

The Student Disability Resource Center (SDRC) provides services in support of the educational experience of students with disabilities attending Cal Poly Humboldt. Visit the Student Disability Resource Center website for services, resources, and how to register for support services.

## Veterans Enrollment and Transition Services (VETS)

Student veterans and staff at Cal Poly Humboldt are committed to the academic success and career goals of our military-affiliated students. Located in the Lower Library, Room 58, we offer programs and services to assist with academic, financial, and career goals. VETS processes enrollment certifications for the Montgomery GI Bill® and processes the California Department of Veterans Affairs fee waiver. Information about veteran's education benefits, tutorial services, military credit evaluation, and the VA work-study program is also available. We have an on-campus counselor from the local Veteran Center to assist with transitional counseling. All military-affiliated students are invited to join our Student Veterans Association and become an integral part of Humboldt's student life and the veteran's community. We have signed on to the Principles of Excellence to best serve our military-affiliated population as well as the Department of Defense Memorandum of Understanding for our active-duty members. More information is available on the Veterans Enrollment and Transition Services website or by phone 707-826-6272.

## Women's Resource Center

The center sponsors workshops, speakers, films, concerts, and other events to promote an awareness of the roles, achievements, and concerns of women. Visit the Women's Resource Center website for information about support groups, educational activities, and resource materials.

## Administration & Faculty

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### Cal Poly Humboldt Administration

#### President's Office

President, Tom Jackson, Jr.

Chief of Staff, Sherie Cornish Gordon

Deputy Chief of Staff and Special Assistant to the President, Lisa Bond-Maupin

### Academic Affairs

Jenn Capps, Provost and Vice President of Academic Affairs

Carmen Bustos-Works, Associate Vice President of Academic Programs

College of Arts, Humanities & Social Sciences,  
Jeffrey Crane, Dean

College of Extended Education and Global Engagement,  
Cyril Oberlander, Interim Dean

College of Natural Resources & Sciences,  
Eric Riggs, Dean

College of Professional Studies,  
Shawna Young, Dean

Diversity, Equity & Inclusion  
Elavie Ndura, Associate Vice President and Campus Diversity Officer

Faculty Affairs  
Simone Aloisio, Associate Vice President

Information Technology Services  
Bethany Rizzardi, Chief Information Officer

Research, Economic and Community Development  
Kacie Flynn, Executive Director

Institutional Research, Analytics, and Reporting  
Michael Le, Director

University Library,  
Cyril Oberlander, Dean

### Enrollment Management

Jason L. Meriwether, Vice President

Admissions  
Peter Martinez, Director

Dean of Students, Office of  
Ebony Turnbow, Dean of Students

Educational Opportunity Program  
Dan Saveliff, Executive Director

Financial Aid  
Peggy Metzger, Director

Office of the Registrar  
Jenni Robinson, Interim Registrar

Student Health and Wellbeing Services  
Dr. Jen Sanford, Interim Executive Director

Student Success/Housing and Residence Life  
Stephen St. Onge, Interim Associate Vice President

Student Union  
Wendy Sotomayor, Director

### Administrative Affairs

Sherie Gordon, Interim Vice President Administration and Finance

Financial Services  
Lynne Sandstrom, Controller

Facilities Management  
Michael Fisher, Director

Human Resources  
Bruce Curl, Interim Associate Vice President

Risk Management  
Christina Koczera

Budget and Finance  
Amber Blakeslee, Executive Director

University Police  
Peter Cress, Interim Chief of Police

## Faculty

Date indicates year of appointment. Retired professors are in the following list of emeritus faculty.

### Academic Affairs

Capps, Jenn, Provost (2020); M.A. University of Colorado, Denver, Ph.D. University of Northern Colorado  
Bustos-Works, Carmen, Associate Vice President of Academic Programs (2021); B.A. San Francisco State University; M.S., Ph.D. University of California, Santa Barbara  
Aloisio, Simone, Associate Vice President of Faculty Affairs (2019); B.S., Bradley University; Ph.D., Purdue University

### Anthropology

Chávez-Argüelles, Claudia, Assistant Professor (2017); B.A., ITAM-Mexico City; M.A., CIESAS-Mexico City; Ph.D. University of Texas-Austin  
Cortes-Rincon, Marisol, Associate Professor (2011); B.A., M.A., Montclair State University; PhD, University of Texas, Austin  
Glenn, Mary, Professor (1999); B.Ss, Loyolla; M.A., Ph.D., Northwestern  
Ramsier, Marissa, Assistant Professor (2015); B.A., Humboldt State University; M.A., Ph.D., UC Santa Cruz  
Ulmer, Gordon, Assistant Professor (2019); B.A., The University of Texas, Austin; M.A., Ph.D., Ohio State University

### Art

Alderson, Julia, Associate Professor (2008); B.A., Humboldt State University; M.A., Ph.D., Rutgers University  
Cobb, Emily, Assistant Professor (2017); B.F.A./M.F.A. Tyler School of Art, Temple University  
Gonzalez-Guerrra, Brandice, Assistant Professor (2013); B.F.A., Art Institute of Chicago; M.F.A., University of Illinois  
Hill, Nicole Jean, Professor (2006); B.A., Nova Scotia College of Art and Design; M.F.A., University of North Carolina  
Madar, Heather, Associate Professor (2006); B.A., Wellesley; M.A., Ph.D., UC Berkeley  
Nachtigall, Stephen, Assistant Professor (2017); B.F.A. Alberta College; M.F.A. University of Oregon  
Potter, Berit, Assistant Professor (2018); B.A., UC Santa Cruz; M.A., Ph.D., New York University  
Schwetman, Sondra, Associate Professor (2004); B.F.A., University of Texas; M.F.A., University of Houston  
Woglom, James, Assistant Professor (2016); B.A., SUNY Stony Brook; M.A. Ed, Ph.D., University of Georgia

### Athletics

Jungemann, Frederick, Coach/Men's Soccer (2013); B.A.S., Arizona State University  
Meiggs, Robin, Coach/Women's Rowing (1989); B.A., M.S., Humboldt State University  
Sarchett, Michelle, Coach/Women's Softball (2005); B.A., Humboldt State University  
Wood, Kelly, Coach/Women's Volleyball (2012); B.S., Sonoma State University; M.A., Chapman University

### Biological Sciences

Bourdeau, Paul, Assistant Professor (2014); B.S., M.S., University of Massachusetts; Ph.D, Stony Brook University  
Craig, Sean, Professor (2000); B.A., New Hampshire; M.S., Houston; Ph.D., SUNY-Stony Brook  
Cuellar-Gempeler, Catalina, Assistant Professor [2018] B.S., Universidad de los Andes. Bogotá, Colombia; Ph.D., University of Texas at Austin  
Goley, Dawn, Professor (1996); B.S., North Carolina-Wilmington; M.S., Victoria; Ph.D., UC Santa Cruz  
Henkel, Terry, Professor (2002); B.S.C., Ohio University; MSc, University of Wyoming; Ph.D., Duke  
Jules, Erik, Professor (2000); B.A., Ithica College; M.S., Ph.D., University of Michigan  
Kiemnec-Tyburczy, Karen, Assistant Professor (2019); B.S., Ph.D., Oregon State University  
Marks, Sharyn, Professor (1994); B.A., Chicago; Ph.D., UC Berkeley  
Shaughnessy, Frank, Professor (1996); B.S., St Lawrence; M.S., New Hampshire; Ph.D., British Columbia-Vancouver  
Sprowles, Amy, Assistant Professor (2014); B.A., Clary University; Ph.D., Vanderbilt University  
Steele, John, Assistant Professor (2016); B.A., Kenyon College; Ph.D., Icahn School of Medicine at Mount Sinai  
Szewczak, Joseph M., Professor (2003); B,S,E,, Duke University; Ph.D., Brown University  
Tissot, Brian, Professor (2013); B.S., Cal Poly SLO; M.S., UC Irvine; Ph.D, Oregon State University  
Tomescu, Alexandru, Professor (2005); M.S., University of Bucharest, Romania; Ph.D., Ohio University - Athens  
Vargas-Hernandez, Oscar Mauricio, Assistant Professor (2020); B.S., M.S., Universidad de los Andes - Bogotá; Ph.D., University of Texas - Austin  
Wilson, Mark, Professor (1999); B.A., St. Mary's College of MD; M.S., Virginia Polytechnic; Ph.D., Cornell  
Zhong, Jianmin, Professor (2006); BS, Shanghai Medical University, China; MM Shanghai Medical University, China; Ph.D., University of Tennessee, Memphis

### Business Administration

Adhikari, Ramesh, Assistant Professor (2015); B.A., M.A., Tribhuvan University; M.A., CSU Sacramento; M.S., Ph.D., University of New Orleans  
Lancaster, Kathryn, Associate Professor (2012); B.S., Ft Lewis College; M.S., Colorado State; Ph.D., Texas A&M  
Panta, Humnath, Assistant Professor (2019); B.A., B.Ed Tribhuvan University; M.A., Monash University; M.A., Ohio University; Ph.D., University of Texas at Arlington  
Qu, Li, Assistant Professor (2017); B.A., Dalian University; M.A., Dongbei University; M.A., MS, Kent State University; Ph.D., University of Connecticut  
Ray Chaudhury, Sarita, Assistant Professor (2012); BC, Kolkata University, India; M.S., M.B.A., Illinois Inst of Tech; Ph.D., New Mexico State  
Singh, Harinder, Professor (2012); M.A., DAV College, India; Ph.D., University of Illinois  
Sleeth-Kepler, David, Associate Professor (2011); B.A., M.A., Ph.D., University of Maryland

Stumpf, Tyler, Assistant Professor (2015); BUS, North Dakota State University ; M.B.A., Gonzaga University; Ph.D., Washington State University  
Vizenor, Nancy, Assistant Professor (2011); B.A., Cal Poly; P.hD., Washington  
Zender, Josh, Assistant Professor (2015); B.B.A., Gonzaga Univ; M.P.A., University of Illinois; Ph.D., Auburn University

## Chemistry

Cappuccio, Jenny, Assistant Professor (2013); B.S., CSU Chico; Ph.D., UC Santa Cruz  
Harmon, Christopher, Assistant Professor (2011); B.S., Purdue; Ph.D., UC Irvine  
Hurst, Matthew, Professor (2006); B.S., B.A., Humboldt State University; Ph.D., UC Santa Cruz  
Monteiro, Jorge, Assistant Professor (2019); B.S., M.S., São Paulo State University; Ph.D., University of Campinas  
Parker, Claire, Assistant Professor (2016); B.S., Bates College; Ph.D., UC Santa Cruz  
Schineller, Jeffery, Associate Professor (1995); B.A., B.S., Ithaca College; M.S, Ph.D., Penn State University  
Smith, Joshua, Professor (2001); B.A., Simon's Rock College of Bard; Ph.D., Dartmouth  
Sperling, Kimberly, Assistant Professor (2017); B.S., UC Santa Cruz; M.S., UC Santa Barbara; Ph.D., UC Santa Cruz  
Wayman, Kjirsten, Professor (2000); B.S., UC Santa Barbara; Ph.D. University of Colorado  
White, Kimberly, Professor (2017); B.S., UC Santa Cruz, M.A., UC Santa Barbara; Ph.D., UC Santa Cruz

## Child Development

Chase, Sara, Assistant Professor (2019); B.A., Columbia University; M.A., UC Berkeley  
Lara-Cooper, Kishan, Associate Professor (2010); B.A., Humboldt State University; M.A., University of Arizona; Ed.D., Arizona State University  
Rana, Meenal, Assistant Professor (2013); B.S., M.S., Chaudhary Charan Singh Haryana Agricultural University; Ph.D., Michigan State University  
You, Hyun-Kung, Assistant Professor (2013); B.S., M.S., Ph.D., Oregon State University

## College of Arts, Humanities & Social Sciences

Crane, Jeffrey, Dean (2022); B.A., The Evergreen State College; M.A., Washington State University; Ph.D, Washington State University  
Benavides-Garb, Rosamel, Associate Dean (1991); B.A., Oregon/Universidad de Chile; M.A., Ph.D., Oregon

## College of Natural Resources & Sciences

Riggs, Eric, Dean (2021); B.A., Pomona College; Ph.D, University of California, Riverside  
Zechman, Rick, Associate Dean (2012); B.S., University of North Carolina, Wilmington; M.S., University of New Hampshire; Ph.D., Louisiana State University

## College of Professional Studies

Young, Shawna, Dean (2019); B.A., CSU Stanislaus; M.S., Ed.D, Boise State University  
Ortega, Justus, Interim Associate Dean (2022); B.S., Humboldt State University; MS, Ph.D., University of Colorado, Boulder

## Communication

Frye, Joshua, Associate Professor (2015); B.A., University of Minnesota; M.A., Marquette University; Ph.D., Purdue University  
Hahn, Laura, Professor (2001); B.A., M.A., San Francisco State University; Ph.D., The Ohio State University

Reitzel, Armeda, Professor (1981); B.A., Central College; M.A., Ph.D., Southern Illinois  
Schnurer, Maxwell, Professor (2005); B.A., Vermont; M.A., Wake Forest; Ph.D., University of Pittsburgh

## Computer Science

Bogle, Sherrene; Assistant Professor (2018); Ph.D., University of Georgia  
Burgess, Scott, Associate Professor (2000); B.S., Southern Oregon; M.S., Rutgers; Ph.D., Oregon State University  
Carter, Adam, Assistant Professor (2016); B.S., Central Washington Univ; Ph.D., Washington State University  
Tuttle, Sharon, Professor (1998); B.A., Rice; M.S., Washington; Ph.D., Houston

## Critical Race, Gender & Sexuality Studies

Accomando, Christina, Professor (1997); B.A., M.A., Ph.D., UC San Diego  
Bell, Ramona, Associate Professor (2011); B.A., University of Tennessee; M.A., Tennessee Tech University; Ph.D., Bowling Green State University  
Berry, Kim, Professor (1999); B.A., Wesleyan University; M.A., Ph.D., Cornell University  
Pérez, Nancy, Assistant Professor (2018); B.A., M.A., CSU Northridge  
Schnurer, Maxwell, Professor (2005); B.A., Vermont; M.A., Wake Forest; Ph.D., University of Pittsburgh  
Urban, Jessica, Associate Professor (2004); B.A., M.A., Ph.D., Northern Arizona University  
Winston, Janet, Professor (2006); B.A., UC Los Angeles; Ph.D., University of Iowa

## Dance

(see Theatre, Film & Dance)

## Economics

Eschker, Erick, Professor (1998); B.A., Illinois; M.A., Ph.D., UC Davis  
Wilson, Beth, Professor (2001); B.S., Miami University; M.S., Ph.D., University of Oregon

## Education

Aghasaleh, Rouhollah, Assistant Professor (2020); B.A., M.A., University of Tehran; Ph.D., University of Georgia - Athens  
Cook, Thomas, Assistant Professor (2007) B.A., University of Missouri, Columbia; M.A., CSU Los Angeles; Ph.D., USC  
Ellerd, David, Professor (2002); B.A., CSU San Bernardino; M.A., Pepperdine; Ph.D., Utah State University  
Lee, John; Professor (2010), B.A., Ph.D., University of Illinois, Chicago  
Miller, Libbi, Associate Professor (2017); B.A., Ft. Lewis College; M.A., University of Colorado; Ed.D. Northern Arizona University  
Ruiz, Marisol, Associate Professor (2013); B.A., M.A., San Francisco State University; Ph.D., University of New Mexico  
Sternier, Sara, Assistant Professor (2019); B.S., University of Idaho; M.Ed., Marymount Univ; Ph.D., University of Minnesota

## English

Accomando, Christina, Professor (1997); B.A., M.A., Ph.D., UC San Diego  
Adsit, Janelle, Assistant Professor (2015); B.A., M.A., Colorado State University; Ph.D., Univat Albany, SUNY  
Byrd, Renee, Assistant Professor (2013); B.A., Mills College; Ph.D., University of Washington  
Creadon, Mary Ann, Associate Professor (1986); B.A., Colorado State University; M.A., Ph.D., Northwestern University  
Delgado, Andrea, Assistant Professor (2019); B.A., UC Los Angeles; M.A., Ph.D., University of Washington - Seattle

Eldridge, Michael, Professor (1995); B.A., Northern Michigan; Ph.D., Minnesota  
Hobbel, Nikola, Professor (2003); B.A., UC Berkeley; M.S., Dominican University; Ph.D., Wisconsin  
Scott, Suzanne, Associate Professor (2002); B.A., UC Davis; M.A., CSU Chico; Ph.D., Northern Arizona University  
Tremain, Lisa, Assistant Professor (2016); B.A., Sonoma State University; M.A. Ed, Fielding Graduate University; M.A., CSU Northridge; Ph.D., UC Santa Barbara  
Winston, Janet, Professor (2006); B.A., UC Los Angeles; Ph.D., University of Iowa

## Environmental Science & Management

Byrne, Kerry, Assistant Professor (2017); Ph.D., Colorado State University; B.S., UC Davis  
Everett, Yvonne, Professor (1998); B.A., Pomona College; M.S., Ph.D., UC Berkeley  
Fingerman, Kevin, Assistant Professor (Spring 2013); B.A., Wesleyan University; M.S., Ph.D., UC Berkeley  
Graham, James, Assistant Professor (2013); B.S., CSU Chico; Ph.D., Colorado State University  
Gwenzi, David, Assistant Professor (2016); B.S., Bindura University of Science Education; M.Sc., University of Twente; Ph.D., Colorado State University  
Marlow, Jennifer, Assistant Professor (2019); B.A., Middlebury College; J.D., University of Washington  
O'Dowd, Alison, Associate Professor (2008); B.S., University of Oregon; Ph.D., UC Berkeley  
Richmond, Laurie, Assistant Professor (2012); B.A., Middlebury College; Ph.D., University of Minnesota

## Environmental Resources Engineering

Alstone, Peter, Assistant Professor (2016); B.S., North Carolina State University; M.S., Humboldt State University; Ph.D., UC Berkeley  
Boyle, Liza, Assistant Professor (2016); B.S., University of the Pacific; MS, Ph.D., University of Colorado, Boulder  
Cashman, Eileen, Professor (2000); B.S., Humboldt State University; MS, Ph.D., University of Wisconsin, Madison  
Eschenbach, Beth, Professor (1995); B.A., UC Santa Cruz; M.S., Ph.D., Cornell University  
Hickenbottom, Kerri, Assistant Professor (2015); B.S., University of Nevada, Reno; M.S., Ph.D., Colorado School of Mines  
Jacobson, Arne, Professor (2005); B.A., Earlham College; MS, Humboldt State University; Ph.D., UC Berkeley  
Lang, Margaret, Professor (1994); B.S., Illinois; MS, Ph.D., Stanford  
Moradi, Ali, Assistant Professor (2017); B.Sc. K.N. Toosi University of Tech; M.Sc. Iran University of Science and Technology; M.Sc. University of Mass; Ph.D. Colorado School of Mines  
Vergara, Sintana, Assistant Professor (2017); B.S., Cornell University; M.S., Ph.D., UC Berkeley  
Yacob, Tesfayohanes, Assistant Professor (2020); B.Sc., Addis Ababa University; Ph.D., University of Colorado - Boulder

## Film

(see Theatre, Film & Dance)

## Fisheries Biology

Buchheister, Andre, Assistant Professor (2016); B.S., Duke University; M.S., Ph.D., College of William and Mary  
Cuevas-Uribe, Rafael, Assistant Professor (2014); B.S., Universidad de Guadalajara; M.S., Kentucky State University; Ph.D., Louisiana State University  
Kinziger, Andrew, Professor (2003); B.S., Saint Norbert College; M.S., Frostberg State University; Ph.D., Saint Louis University  
Marin Jarrin, Jose, Assistant Professor (2018); B.S., University of Guayaquil; M.S., University of Oregon; Ph.D., Oregon State University

Ward, Darren, Associate Professor (2010); B.S., Utah State University; M.S., University of Minnesota; Ph.D., Dartmouth College

## Forestry & Wildland Resources

Berrill, John-Pascal, Associate Professor (2008); B.S., University of Canterbury, New Zealand; M.S., Ph.D., UC Berkeley  
Greene, David, Professor (2014); B.S., UC Berkeley; M.S., Ph.D., University of Calgary  
Harrill, Hunter, Assistant Professor (2019); B.S., M.S., Humboldt State University; Ph.D., Univ of Canterbury  
Kane, Jeffrey, Assistant Professor (2012); B.S., Plattsburgh State University; M.S., Humboldt State University; Ph.D., Northern Arizona University  
Kelly, Erin, Assistant Professor (2012); B.A., Whitman College; M.S., Ph.D., Oregon State University  
Kerhoulas, Lucy, Assistant Professor (2016); B.S., M.S., Humboldt State University; PhD, Northern Arizona University  
Marshall, Susan, Professor (1997); B.S., UC Riverside; M.S., Arizona; Ph.D., UC Riverside  
Sillett, Stephen, Professor (1996); B.A., Reed College; M.S., Florida; Ph.D., Oregon State University  
Stubblefield, Andrew, Associate Professor (2006); BA, Oberlin College; M.S., University of Michigan; Ph.D., UC Davis  
Zald, Harold, Assistant Professor (2016); B.S., M.S., University of Michigan; Ph.D., Oregon State University

## Geography, Environment & Spatial Analysis

Chatti, Deepti, Assistant Professor (2019); B.E., Osmania Univ; M.S., Stanford Univ; MPhil, Ph.D., Yale University  
Perdue, Nicholas, Assistant Professor (2016); B.A., Lewis College; BS, Metropolitan State University; M.S., Michigan State University; Ph.D., University of Oregon  
Ray, Sarah, Associate Professor (2013); B.A., Swarthmore College; M.A., University of Texas-Austin; Ph.D., University of Oregon  
Sherriff, Rosemary, Associate Professor (2009); B.S., University of Oregon; M.A., Ph.D., University of Colorado, Boulder

## Geology

Baughman, Jaclyn, Assistant Professor (2021); A.B., Colgate University; Ph.D., University of Colorado - Boulder  
Browne, Brandon, Associate Professor (2015); B.S., Oregon State University; M.S., Ph.D., University of Alaska Fairbanks  
Hemphill-Haley, Mark, Professor (2002); B.S., M.S., Humboldt State University; Ph.D., Oregon  
Levy, Laura, Assistant Professor (2017); B.S., Mt. Holyoke College; M.S., N Arizona University; Ph.D., Dartmouth College  
Michalak, Melanie, Assistant Professor (2015); B.S., Massachusetts Institute of Technology; M.S., Ph.D., UC Santa Cruz

## History

Clover, Robert, Associate Professor (2007); B.A.; Tufts; M.A., Hawaii-Manoa; Ph.D., Harvard University  
Dallashah, Leena, Assistant Professor (2015); LL.B, Hebrew Univ of Jerusalem; M.A., Ph.D., New York University  
Marschke, Benjamin, Professor (2006); B.A., Santa Clara University; M.A., Ph.D., UC Los Angeles  
Mays, Thomas, Professor (2003); B.A., Roanoke College; M.A., Virginia Tech; Ph.D., Texas Christian University  
Pasztor, Suzanne, Professor (2005); B.A., Adams State; M.A., Texas Christian; Ph.D., University of New Mexico  
Paulet, Anne, Professor (2000); B.A., Swarthmore; M.A., Ph.D., Rutgers

## Journalism & Mass Communication

Burstiner, Marcy, Associate Professor (2006); M.S., Columbia University

Cretser-Hartenstein, Jessie, Assistant Professor (2019); B.A., Humboldt State University; M.M.P., University of Sydney - New South Wales  
Moss, Kirby, Assistant Professor (2017); B.A., M.A., University of Nebraska; Ph.D., University of Texas, Austin  
Pike, Deidre, Assistant Professor (2012); B.A., M.A., Ph.D., University of Nevada  
Sama, Victoria, Professor (2006); M.A., University of Colorado, Boulder

## **Kinesiology & Recreation Administration**

Adams, David, Assistant Professor (2019); B.A., California Baptist Univ; M.Ed, University of La Verne; MA, Concordia University; PhD, Texas Woman's University  
Blackburn, Brian, Assistant Professor (2019); B.A., DePaul University; M.S., California University; Ph.D., University of Illinois at Chicago  
Bloedon, Taylor, Assistant Professor (2015); B.S., University of Oregon; M.S., Oregon State University; Ph.D., University of Maine  
Braithwaite, Rock, Professor (2001); B.S., Walla Walla College; M.S., Eastern Washington University; Ed.D., University of Northern Colorado  
Donahue, Eden, Assistant Professor - Associate Director of Nursing (2020); B.S.N., Humboldt State University; M.S.N., California State University, Sacramento; D.N.P., California State University, Fresno  
Kwon, Young Sub, Assistant Professor (2013); B.A., M.S., Chung-Ang Univ; Ph.D., University of New Mexico  
Lankford, David Eli, Associate Professor (2020); B.S., University of Utah; M.S., University of Montana; Ph.D., Brigham Young University  
Marchand, Geneviève, Assistant Professor (2014); B.S., Université de Québec; M.A., CSU Chico; Ph.D., University of Minnesota  
McGuire, Jayne, Associate Professor (2006); Ph.D., University of Utah, Salt Lake City  
Ogle, Whitney, Assistant Professor (2017); B.S., University of Puget Sd; D.P.T. Regis University; M.S., Ph.D., Indiana University  
Ortega, Justus, Associate Professor (2008); B.S., Humboldt State University; MS, Ph.D., University of Colorado, Boulder  
Pachmayer, Ara, Assistant Professor (2016); B.A., University of Wisconsin; M.S., Ph.D., Arizona State University  
Pawlowski, Jill, Assistant Professor (2017); M.S., M.P.H., Ph.D., Oregon State University; B.S., University of Oklahoma  
Perris, Kimberly, Assistant Professor - Director of Nursing (2019); M.S., D.N.P., University of San Francisco

## **Library**

Hagen, Brianne, Sr. Assistant Librarian (2016); B.A., M.L.S., Indiana Univ-Purdue Univ Indianapolis  
Karadjova, Katia, Librarian (2013); M.S., Sofia Univ; M.L.S., San Jose State University  
Marino, Carly, Sr. Assistant Librarian (2016); B.A., University of Vermont; M.A., USC; MLIS, San Jose State University  
Miller, Timothy, Sr. Assistant Librarian (2017); B.S., M.S., Humboldt State University; MLIS San Jose State University  
Morgan, Kyle, Sr. Assistant Librarian (2016); B.A., MLIS, UC Los Angeles  
Oberlander, Cyril, Dean (2014); MLIS, University of Illinois at Urbana-Champaign  
Purchio, Garrett, Sr. Assistant Librarian (2019); B.A., Humboldt State University; MLIS, San Jose State University  
Stelter, Kimberly, Sr. Assistant Librarian (2019); B.A., UC Berkeley, MLIS Univ of Illinois at Urbana-Champaign  
Wrenn, George, Librarian (2005); A.B., Harvard University; MLIS, UC Los Angeles

## **Mathematics**

Ballinger, Bradley, Associate Professor (2009); B.S., M.A., Ph.D., UC Davis  
Dugaw, Chris, Professor (2005); B.S., Western Washington; M.S., University of Washington; Ph.D., UC Davis

Evans, Tyler, Professor (2002); B.A., Sonoma State University; M.S., University of Oregon; Ph.D., UC Davis  
Freedman, Walden, Professor (2001); B.A., UC Berkeley; M.A., University of Michigan; Ph.D., UC Santa Barbara  
Goetz, Peter, Associate Professor (2006); B.A., University of Oregon; M.S., University of Washington; Ph.D., University of Oregon  
Hasan, Abeer, Assistant Professor (2013); B.S., M.A., University of Jordan; M.S., University of Toledo; Ph.D., Bowling Green State University  
Kim, Yoon, Professor (1992); M.S., Wright State; Seoul National University; Ph.D., Virginia Polytechnic  
Larripa, Kamila, Assistant Professor (2019); B.S., Linfield College; Ph.D., UC Davis  
Mazzag, Borbala (Bori), Professor (2005); B.A., UC Santa Cruz, M.S., Ph.D., UC Davis  
Owens, Kenneth, Associate Professor (2001); B.A., UC Berkeley; M.A., San Francisco State University; Ph.D., University of Southern CA  
Rizzardi, Mark, Professor (1996); B.A., UC San Diego; M.S., Ph.D., UC Berkeley

## **Music**

Cummings, Paul, Professor (2005); B.M., Cincinnati College/Conservatory of Music; M.M., San Francisco State University; D.M.A., Oregon  
Harrington, Elisabeth, Associate Professor (2006); B.A., University of North Carolina, Greensboro; M.M., University of North Carolina, Chapel Hill; D.M.A., University of Colorado, Boulder  
Mineva, Daniela, Associate Professor (2008); D.M.A., Eastman School of Music; M.M., University of North Texas, Denton; B.A., M.M., State Academy of Music Pancho Vladigerov, Sofia, Bulgaria  
Moyer, Cindy, Professor (1995); B.A., M.A., M.M., D.M.A., Eastman School of Music  
Novotney, Eugene, Professor (1985); B.M., Cincinnati College/Conservatory of Music; M.M., D.M.A., Illinois  
Post, Brian, Professor (1998); B.A., CSU Hayward; M.M., D.A., Northern Colorado  
Woods, Garrick, Assistant Professor (2016); B.M., M.M., University of Arizona; D.M., University of Utah

## **Native American Studies**

Begay, Kayla, Assistant Professor (2016); B.A., Stanford University; M.A., Ph.D., UC Berkeley  
Reed, Kaitlin, Assistant Professor (2019); B.A., Vassar College; M.A., Ph.D., UC Davis  
Risling Baldy, Cutcha, Assistant Professor (2017); B.A., Stanford University; M.F.A., San Diego State University; Ph.D., UC Davis

## **Oceanography**

Abell, Jeffrey, Associate Professor (2006); B.S., University of Miami; M.S., Ph.D., University of Washington, Seattle  
Barriquand, Tamara, Assistant Professor (2018); B.A., Colorado College; M.A., UC San Diego; Ph.D., University of Paris VI  
Cass, Christine, Assistant Professor (2011); B.A., Pomona College; Ph.D., University of South Florida

## **Philosophy**

Goodman, Michael, Professor (1984); B.A., Humboldt State University; M.A., San Diego State University; Ph.D., Michigan State University  
Heise, David, Associate Professor (2006); B.A., CSU Sacramento, M.A., Ph.D., South Illinois University, Carbondale  
Shaeffer, H Benjamin, Assistant Professor (2002) B.A., UC Santa Cruz; M.A., Ph.D., UC Santa Barbara

## **Physics & Astronomy**

Bliven, Wes, Associate Professor (1995); B.S., Santa Clara; Ph.D., Cornell University

Hoyle, Charles D, Professor (2007); B.A., Colorado; M.S., Ph.D., Washington  
Mola, Monty, Professor (2002), B.S., St. Marys College of California; Ph.D., Montana State University  
Saunders, Ruth, Assistant Professor (2016); B.S., Dublin City University; M.S., University of Oregon; Ph.D., Dublin City University Politics

## Politics

Baker, Mark, Professor (2006); B.A., UC Santa Cruz; M.S., Ph.D., UC Berkeley  
Burkhalter, Stephanie, Associate Professor (2007); B.A., Maryland; M.A., George Washington; Ph.D., Washington  
Chang, Joice, Associate Professor (2013); B.S., UC Berkeley; J.D., Ohio State University; Ph.D., Indiana University  
Holmes, Alison, Associate Professor (2014); B.S., Northwestern University; A.M., University of Chicago; Ph.D., London School of Economics  
Meyer, John, Professor (1998); B.A., Colorado College; M.A., Ph.D., University of Wisconsin, Madison  
Sebro, Tani, Assistant Professor (2019); B.A., San Francisco State University; M.A., Ph.D., University of Hawai'i at Manoa  
Zerbe, Noah, Professor (2004); B.A., M.A., Northern Arizona University, Ph.D., York University

## Psychology

Aberson, Chris, Professor (2000); B.A., CSU Northridge; M.A., Ph.D., Claremont Graduate University  
Aigner, Carrie, Assistant Professor (2014); B.A., University of Wisconsin; M.S., Ph.D., Indiana University Purdue University  
DeMatteo, Francis, Associate Professor (2017); B.S., University of Scranton; M.Ed., PMC, Ed.D., Indiana University of Pennsylvania  
Gaffney-Wasydyke, Amber, Assistant Professor (2015); B.A., Humboldt State University; M.A., Ph.D., Claremont Graduate University  
Gahtan, Ethan, Professor (2005); B.A., Macalester; M.A., Ph.D., University of Minnesota  
Graham, Ben, Assistant Professor (2016); B.A., University of Nebraska, Lincoln; M.S., University of Wisconsin, Madison; Ph.D., DePaul University  
Gold, Gregg, Professor (2000); B.A., UC Los Angeles; M.A., CSU Northridge; Ph.D., UC Los Angeles  
Hahn, Amanda, Assistant Professor (2016); B.A., B.S., UC Irvine; M.Sc., Western Washington University; Ph.D., University of St. Andrews  
Howe, Tasha, Professor (2002); B.A., UC Santa Barbara; M.A., Ph.D., UC Riverside  
Iturbide, Maria, Assistant Professor (2015); B.A., University of the Pacific; M.A., Ph.D., University of Nebraska  
Padron, Elena, Assistant Professor (2018); B.A., UC Berkeley; M.A., Ph.D., University of Minnesota  
Sanchez, Kauyumari, Assistant Professor (2015); B.A., CSU Fresno; M.A., Ph.D., UC Riverside  
Villarreal, Brandilynn, Assistant Professor (2017); B.A., UC Los Angeles; M.A., CSU Dominguez Hills; Ph.D., UC Irvine  
Walmsley, Christopher, Assistant Professor (2016); B.A., University of New Hampshire at Durham; M.A., Ph.D., Western Michigan University

## Religious Studies

Biondo, Vincent, Associate Professor (2017); B.A., UC San Diego; M.A., San Diego State University; Ph.D., UC Santa Barbara

## Social Work

Abarca, César, Assistant Professor (2013); B.A., M.S., San Francisco State University; Ph.D., Boston University  
Gough, Heather, Assistant Professor (2017); B.A., J.D., UC Berkeley; M.S., University of Denver; Ph.D., Arizona State University

Hancock Bowers, Pam, Assistant Professor (2016); B.A.S.W., San Francisco State University; M.S.W., University of Denver; Ph.D., University of Texas  
Jensen, Jamie, Assistant Professor (2017); B.A., M.S.W., Humboldt State University; M.A., Fielding Graduate University, Ph.D., Fielding Graduate Institute  
Maguire, Jennifer, Assistant Professor (2013); B.A., M.S.W., CSU Chico; Ph.D., Oregon State University  
O'Neill, Marissa, Assistant Professor (2015); B.S., Bemidji State University; MSW, The University of St. Thomas; PhD, Arizona State University  
Swartz, Ronnie, Professor (2004); B.A., Brown, M.S.W., Michigan; Ph.D., Fielding Graduate Institute

## Sociology

Eichstedt, Jennifer, Professor (1995); B.A., Washington; M.A., University of Massachusetts; Ph.D., UC Santa Cruz  
Meisel, Joshua, Associate Professor (2008); B.A., UC Santa Cruz; Ph.D., University of Colorado, Boulder  
Silvaggio, Anthony, Assistant Professor (2015); B.A., Keuka College; M.A., Humboldt State Univ; Ph.D., University of Oregon  
Sugata, Michihiro Clark, Assistant Professor (2017); B.S., Northern Arizona University; M.A., Ph.D., Arizona State University  
Virnoche, Mary, Professor (2001); B.A., University of Wisconsin; M.A., University of Northern Colorado; Ph.D. University of Colorado, Boulder

## Theatre, Film & Dance

Jannetta, David, Assistant Professor (2020); B.S., Penn State University; M.F.A., Temple University, Pennsylvania  
Lescher, Troy, Assistant Professor (2015); B.A., University of Virginia; M.F.A., Brooklyn College - CUNY; PhD, Texas Tech University

## Wildlife Management

Barton, Daniel, Assistant Professor (2013); B.S., Evergreen State College; Ph.D., University of Montana  
Brown, Richard, Associate Professor (2008); B.S., UC Davis; M.A., Boulder; Ph.D., UC Berkeley; D.V.M., UC Davis  
Clucas, Barbara, Assistant Professor (2016); B.S., Purdue University; Ph.D., UC Davis  
Colwell, Mark, Professor (1989); B.A., Whitman College; Ph.D., North Dakota  
Johnson, Matthew, Professor (1999); B.S., UC Davis; Ph.D., Tulane University  
Szykman Gunther, Micaela, Associate Professor (2006); B.A., Amherst College; Ph.D., Michigan State University  
Wan, Ho Yi, Assistant Professor (2020); B.S., M.S., Brigham Young University; Ph.D., Northern Arizona University

## World Languages & Cultures

Brintrup, Lillianet, Professor, Spanish (1990); B.A., M.A., Universidad de Concepción (Chile); Ph.D., Michigan  
Dean, Matthew, Associate Professor, Spanish (2008); B.A., CSU San Marcos; M.A., San Diego State University; Ph.D., UC Riverside  
Diémé, Joseph, Associate Professor, French (2008); Licence, Maîtrise, Université de Poitiers; M.A., Ph.D., University of Iowa



# Emeritus Faculty

Dates = years of employment/retirement

- Aalto, Kenneth; Geology (1974-2004)
- Albright, Claude, Jr; History (1964-1990)
- Allen, Ben; Business and Economics (1981-2003)
- Allen, Bill; Biology(1966-1998)
- Allen, Gerald M; Forestry and Watershed (1976-2001)
- Allen, Thomas; Education (1985-1991)
- Allyn, David; History (1969-1998)
- Anderson, Carolyn; Education (1982-2003)
- Anderson, Charles 'Mike'; Environmental Resources Engineering (1973-2006)
- Anderson, Dennis; Biology (1961-1991)
- Anderson, Linda; Nursing (1979-2003)
- Anderson, William T; Art (1967-2001)
- Antón, Don; Art (1991-2014)
- Armstrong, Susan; Philosophy (1972-2004)
- Astrue, Robert; Physics (1966-1995)
- Ayoob, Kenneth; Music (1993-2016)
- Aziz, Abdul; Business and Economics (1986-2000)
- Badgett, Lee; Business and Technology (1985-1990)
- Bao, Wurlig; Critical Race, Gender and Sexuality Studies (1999-2012)
- Bartlett, Maria; Social Work (1999-2006)
- Bazemore, Jean; Theatre, Film and Dance (1969-2000)
- Beal, Brenda; Education (1974-1995)
- Beck, Gerald; Theatre, Film and Dance (1969-1992)
- Beilfuss, Erwin; Biology (1957-1976)
- Bennett, Susan; English (1987-2008)
- Bennion, Lowell; Geography (1970-1999)
- Bennion, Sherilyn; Journalism and Mass Communication, Womens Studies (1971-1996)
- Benson, Diane; Nursing (1999-2009)
- Berke, JoAnne; Art (1994-2013)
- Berman, Joan; Library (1972-2014)
- Bicknell, Susan; Forestry (1978-2004)
- Bigg, William; Forestry and Wildland Resources (1979-2007)
- Biles, Charles; Mathematics (1969-2005)
- Bivens, William, III; English (1970-2001)
- Blaisdell, James; Computer Science (1982-1998)
- Black, Jeffrey; Wildlife (1998-2022)
- Blank, Paul, Geography (1995-2010)
- Bockover, Mary; Philosophy (1989-2022)
- Bond, Kenneth M; Business (1988-2005)
- Bond-Maupin, Lisa; Sociology (2017-2022)
- Borgeld, Jeffry; Oceanography [1981-2018]
- Borgers, Tom; Chemistry (1967-2002)
- Botzler, Richard; Wildlife (1970-2007)
- Botzler, Sally; Education (1990-2007)
- Bowes, Michael; Biological Sciences (1975-2004)
- Bowker, Lee H; Sociology (1987-2001)
- Bowman, Greg; Chemistry (1966-1994)
- Bowman, Susan; Nursing (1978-1998)
- Boyd, Milton; Biological Sciences (1972-2006)
- Braund, Robert; Education (1968-1986)
- Bravo, Michael; Art (1973-2004)
- Brenneman, Kristine; Fisheries Biology (1996-2012)
- Bright, Lewis; Communication (1965-1996)
- Brown, Pamela A; Social Work (2001-2009)
- Brueske, William; Biology (1966-1998)
- Bruner, Michael; Communication [2001-2018]
- Brusca, Stephen; Physics (1981-2005)
- Budig-Markin, Valérie; French (1985-2014)
- Buck, Whitney; English (1964-1992)
- Burges, Jená; English (2006-2016)
- Burke, Raymond; Geology (1979-2009)
- Burroughs, Ann; Computer Science (1982-2006)
- Burroughs, Robert C; English (1967-1994)
- Butcher, Lucy; Library (1965-1982)
- Butcher, Sharon; Theatre, Film and Dance (2003-2020)
- Calhoun, Roland; Psychology (1969-1988)
- Camann, Michael; Biology (1997-2018)
- Campbell, David; Psychology (1981-2014)
- Campbell, Harold; Computer Science (1989-2009)
- Cannon, Edward 'Chip'; Kinesiology (1982-2007)
- Carlson, Steven; Environmental and Natural Resource Sciences(1983-2004)
- Carlson, Warren; Psychology (1968-1998)
- Carlton, Karen; English (1983-2004)
- Carver, Gary; Geology (1973-1998)
- Cashman, Susan; Geology (1977-2016)
- Chadwick, Sharon; Library (1980-2013)
- Chamberlin, Charles; Environmental Resources Engineering (1983-2010)
- Chaney, Ronald; Environmental Resources Engineering (1981-2004)
- Cheek, Frank; Health and Physical Education (1969-2000)
- Cherry, Pamela; Nursing (1999-2004)
- Chew, Sing; Soc (1990-2014)
- Cheyne, Bernadette; Theatre, Film and Dance (1990-2013)
- Chinn, Leung; Physics (1968-2000)
- Chinn, Phyllis Z; Mathematics (1975-2005)
- Chu, Kai; Computer Science (1979-2008)
- Clark, Thomas; Chemistry (1959-2000)
- Clendinning, Lester; Physics (1958-2001)
- Cline, Gilbert; Music (1982-2014)
- Cole, Robert; Communication (1970-1980)
- Coleman, John; Geography (1964-1989)
- Collins, Chester; Psychology (1956-1979)
- Cooper, Charlotte; Education (1952-1975)
- Cornejo, Rafael; Spanish (1972-2000)
- Costello, John; Health and Physical Education (1997-2003)
- Coyne, Peter; Speech Communication (1968-1996)
- Cranston, Jernal; Theatre, Womens Studies (1969-1992)
- Crawford, James; Art (1977-2007)
- Crosbie, Jane; Nursing (1980-2000)
- Crowe, Martha; Education (1972-1982)
- Cunha, Stephen; Geography (1996-2017)
- Curiel, Barbara; Critical Race, Gender and Sexuality Studies/English [1997-2018]
- Dalsant, Barry; English (1970-2004)
- Daniel, William; Government and Politics (1972-2007)
- deAngelis, Marie; Oceanography (1993-2004)
- De Martini, John; Biology (1963-1997)
- Dengler, Lori; Geology (1979-2015)
- Derden, James, Jr; Philosophy (1969-2000)

- Di Costanzo, Charlie; Art (1973-2000)
- Diez, Andres A; Spanish (1988-2005)
- Dingle, Mary; Education [2014-2018]
- Diver-Stammes, Ann; Education (1990-2012)
- Dixon, Chip; Computer Science (1984-2014)
- Dodge, Jim; English (1996-2008)
- Doty, Kathleen; English (1989-2014)
- Duncan, Brent; Psychology (1990-2014)
- Dupree, James; Psychology (1989-2009)
- Eckerd, Lizabeth; Psychology (2008-2014)
- Elkins, Robert; Education (1986-1992)
- Elmore, Bettye; Psychology (1977-2007)
- Emenhiser, JeDon; Politics (1977-2004)
- Everding, Robert; Theatre, Film and Dance (1988-1997)
- Fairless, Ben; Social Work (1968-1998)
- Figone, Albert; Health and Physical Education (1980-2003)
- Finney, Brad; Environmental Resources Engineering (1979-2018)
- Fitzsimons, Dennis; Geography (2002-2012)
- Flashman, Martin; Mathematics (1981-2014)
- Fox, Lawrence; Forestry and Watershed (1976-2004)
- Fox, Stephen; History (1969-1999)
- Frances, Susan; Psychology (1973-2001)
- Freeland, Dean; Hydrology (1967-1983)
- Frisch, Noreen; Nursing (1990-1998)
- Fritzsche, Ronald; Fisheries Biology (1980-2004)
- Frost, Nancy; Child Development (1971-2002)
- Fulgham, Kenneth; Rangeland (1978-2009)
- Fulton, Gloria; Library (1970-2000)
- Fults, Gail; Business (1986-2009)
- Gaasch, James; French (1974-2001)
- Gage, Thomas; English (1976-2000)
- Gai, John; Social Work (1975-2003)
- Garlick, Donald; Geology (1969-1998)
- Gearheart, Robert; Environmental Resources Engineering (1975-1998)
- Gelenian, Keri; Education (1998-2010)
- George, Luke; Wildlife (1991-2012)
- Gilchrist, Richard; Biology (1969-1998)
- Giovannetti, Joseph; Native American Studies (1994-2014)
- Golightly, Richard; Wildlife (1981-2012)
- Golla, Victor; Anthropology (1988-2012)
- Grobey, John; Business and Economics (1967-1996)
- Gruber, Mary; Psychology (1974-2003)
- Guillaume, Alfred, Jr; French (1994-1999)
- Gutierrez, Ralph; Wildlife (1979-2000)
- Haag, Jeffrey; Mathematics (1990-2022)
- Hackett, Steven; Economics [1994-2018]
- Han, Han-Sup; Forestry and Wildland Resources (2006-2017)
- Handwerker, Penn, Anthropology (1972-1995)
- Hankin, David, Fisheries Biology (1979-2010)
- Hansis, Richard A; Environmental and Natural Resource Sciences (1999-2005)
- Harris, Albert; Politics (1990-2014)
- Harwood, Thomas Mark; Psychology (2002-2007)
- Hashem, Gene; Education (1970-1992)
- Hauxwell, Donald; Rangeland/Soils (1966-2001)
- Havelka, Juliette; French (1971-1980)
- Heckel, John; Theatre, Film and Dance (1973-2002)
- Hedrick, Donald; Rangeland/Wildland Soil (1969-1980)
- Heinsohn, Marvin; Education (1982-1992)
- Hellyer, Paul; Theatre, Film and Dance (1981-1991)
- Hendricks, Herbert; Education (1969-1992)
- Hendrickson, Gary; Fisheries Biology (1978-2012)
- Hennings, John; Chemistry (1967-2002)
- Herbrechtsmeier, William; Religious Studies (1991-2014)
- Hewston, John; Natural Resources Planning (1966-1987)
- Higgins, Susan; College of Professional Studies (2002-2008)
- Hines, Robert; Business and Economics (1973-1997)
- Hodgkins, Gael; Religious Studies (1976-1990)
- Hodgson, Robert; Oceanography (1972-1992)
- Holschuh, Jane; Social Work (2004-2009)
- Honsa, Bill; English (1967-1996)
- Hopkins, Geraldine; Education (1989-2000)
- Hopper, Christopher; Kinesiology (1980-2017)
- Howard, James; Biological Sciences (2000-2010)
- Hui, Lumei; Psychology (1996-2011)
- Humphry, Kenneth; Psychology (1955-1983)
- Hunt, James; Health and Physical Education (1966-1986)
- Hunt, Robert W; Mathematics (1976-2001)
- Hurley, Richard; Biology (1966-1996)
- Isaacson, Mark; Art (1982-2002)
- Jackson, Hal; Geography (1973-1992)
- Jackson, Lynn; Mathematics (1967-1990)
- Jager, Douglas; Forest, Watershed (1972-2000)
- Jenkins, Stephen; Religious Studies (1998-2013)
- Jensen, Betty; Nursing (1995-2003)
- Jewett, Frank; Business and Economics (1966-1986)
- Johansen, Martha; Library (1986-2010)
- Johnson, Diane; Mathematics (1990-2015)
- Johnson, James; English (1967-2001)
- Johnson, Ronald; Art (1974-1998)
- Jolly, Frank; Industrial Technology (1965-1992)
- Jones, Thomas A; Geography (1968-2005)
- Kates, Philip; Music (1966-1995)
- Kay, Mary; Library (1991-2011)
- Kelly, Paul; Physics (1968-1991)
- Kelly, Robert, Health and Physical Education (1967-2000)
- Kelso, Margaret; Theatre, Film and Dance (1996-2014)
- Kennemer, Hubert, Music (1970-1997)
- Kenyon, Peter; Business and Economics (1984-2003)
- Kenyon, Sharmon; Library (1983-2007)
- Kilmer, Frank; Geology (1964-1983)
- Kinzer, David; Kinesiology and Recreation Administration (1977-2008)
- Kitchen, David; Wildlife (1972-2005)
- Knox, Claire; Child Development (1992-2018)
- Kozlak, Jeanne; Nursing (1975-2008)
- Krause, Jerrald; Sociology (1971-2000)
- LaBahn Clark, Kathleen; German (1983-2011)
- Lamberson, Roland; Mathematics (1980-2004)
- Lamp, Nancy; Theatre, Film and Dance (1974-1991)
- Land-Weber, Ellen; Art (1974-2001)
- Lang, Kenneth; Biology (1970-2001)
- Langlois, Aimee; Child Development (1980-2007)
- LaPlantz, David; Art (1971-2002)
- Largent, David; Biology (1968-2001)

- Larson, Mark; Journalism and Mass Communication (1975-2009)
- Lasko, Carol, Chemistry (1990-2010)
- Lee, Sue; Biology (1969-1996)
- Leeper, Joseph; Geography (1972-2004)
- Leftridge, Leonard; Education (1979-2000)
- Lehman, Peter; Environmental Resources Engineering (1979-2012)
- Lehre, Andre; Geology (1981-2011)
- Levine, MaryAnne, Nursing (1983-2010)
- Little, Judith; Sociology (1980-2008)
- Littlejohn, Stephen; Communication (1970-1996)
- Lovelace, James; Biology (1965-1997)
- Lowery, Bette; College of Professional Studies (1983-1996)
- Lowry, John; Business and Economics (1980-1996)
- Lu, Casey; Biology (1995-2016)
- Mace, Miriam L; Theatre, Film and Dance (1978-2001)
- Mack, Herschel L; Communication (1970-2001)
- MacConnie, Susan E; Kinesiology and Recreation Administration(1989-2008)
- MacPherson, Helen; Education (1948-1970)
- Mahar, Franklyn; History (1968-1992)
- Mahler, Donald; Psychology, Spec Ed (1968-1986)
- Manier, Martha; Spanish (1981-2006)
- Manos, Tina; Kinesiology and Recreation Administration (2005-2014)
- Marak, Louis B; Art (1969-2001)
- Martin, Steven: Environmental Science and Management (1992-2022)
- McBroome, Delores; History (1991-2009)
- McClary, Maclyn H; Journalism and Mass Communication (1967-2001)
- McCrone, Alistair; Geology (1974-2002)
- McElwain, Brian; Counseling and Psychological Services (2008-2018)
- McGaughey, Russell W; English (1968-2004)
- McHugh, James; Theatre, Film and Dance (1992-2013)
- McKee, Mac; Environmental Resources Engineering (1984-1998)
- McNelis, James; English (1956-1981)
- Mesinger, Bonnie; Communication (1974-1998)
- Mesler, Michael; Biological Sciences (1975-2015)
- Metz, Edward; Biological Sciences (1998-2017)
- Meyer, Richard; Biological Sciences (1968-1998)
- Miller, William; Geology (1984-2016)
- Minty, Judith; English, Women Studies (1982-1992)
- Mitsanas, Demetri; Art (1968-1994)
- Moon, Charles; Music (1958-1988)
- Morgan, John; Psychology (1969-2000)
- Morgan, Sanderson; Art (1980-2005)
- Mortazavi, Saeed; Business (1984-2012)
- Mossman, Archie; Wildlife (1961-1980)
- Mueller, Carolyn; Library (1988-2010)
- Muilenburg, Harley; Music (1983-2015)
- Mullery, Colleen, Faculty Affairs Human Resources (1984-2018)
- Mulligan, Timothy; Fisheries Biology (1987-2013)
- Munoz, Kathy; Kinesiology and Recreation Administration (1995-2010)
- Murison, William; Natural Resources (1966-1988)
- Musselman, Dennis; Psychology (1962-1999)
- Myers, Charles; Theatre, Film and Dance (1969-1998)
- Nachem, Beverly F; Nursing (1980-2005)
- Nakamura, Ken; Social Work (1997-2008)
- Nelson, Scott; Health and Physical Education (1967-2000)
- Noble, Peter; Business (1998-2005)
- Norris, Daniel; Biological Sciences (1967-1991)
- Norton, Jack; Ethnic Studies (1972-1997)
- O'Gara, Bruce; Biological Sciences (2000-2019)
- Okin, Louis; History (1969-2001)
- Osborn, Alane; Psychology (1989-2001)
- Oyler, David; Library (1976-1991)
- Park, Yung; Government and Politics (1966-1988)
- Partain, Elizabeth; Health and Physical Education (1967-1982)
- Partain, Gerald; Forestry (1954-1983)
- Paselk, Richard, Chemistry (1976-2010)
- Patel, Vithal; Mathematics (1969-1999)
- Patzlaff, Kris; Art (1999-2017)
- Pence, Ellsworth; French (1973-1999)
- Pequegnat, John; Oceanography (1971-2004)
- Perryman, Wayne; Library (1995-2012)
- Pham, Quoc; Business [2009-2018]
- Phillips, Valgene; Music (1967-2004)
- Plank, Robert; Geography (1970-1994)
- Poelzer, Dolores; Sociology (1972-1992)
- Potter, Denis; Industrial Technology (1975-2000)
- Preston, Kathleen; Psychology, Womens Studies (1971-1992)
- Price, Leslie; Art (1972-2005)
- Price, Thomas; Education (1970-1986)
- Rafferty, Cathleen; Education (2000-2010)
- Rasmussen, Robert; Biological Sciences (1966-1997)
- Reiss, John; Biological Sciences (1997-2022)
- Reynolds, William; Psychology (2000-2017)
- Rice, Judy; Nursing (1978-2001)
- Rice, Lawrence; Education (1996-2013)
- Richmond, Rollin; Biological Sciences (2002-2015)
- Ridenhour, Richard; Fisheries Biology (1960-1992)
- Rigby, Wanda; Journalism and Mass Communication
- Riordan, Craig; Kinesiology and Recreation Administration (2001-2015)
- Robison, Houston; Social Science (1969-1977)
- Robison, Lisa Rae; Theatre (2006-2022)
- Roelofs, Terry D; Fisheries Biology (1970-2005)
- Rose, Philip; Industrial Technology (1973-2001)
- Ross, Sheila; Art (1975-2001)
- Ruggles, Charles; English (1966-1976)
- Ruprecht, Theodore; Business and Economics (1958-1991)
- Samuelson, Ralph; English (1956-1986)
- Santos, Terry; English (1991-2009)
- Sathrum, Robert; Library (1974-2008)
- Sattinger, Gerald; Government and Politics (1970-1998)
- Schafer, Donna; ORGS (2000-2006)
- Schafer, John; English (1981-2003)
- Scheerer, David; Theatre, Film and Dance (2006-2016)
- Schimps, Erich; Library (1964-1997)
- Schneider, Keith; Art (1988-2018)
- Scoggin, Mary; Anthropology (1997-2022)
- Scott, Andrew 'Mort'; Art (1975-2007)

- Seitzer, Marlys; Nursing (1975-1994)
- Shaffer, Peter Mark; German (1966-1998)
- Shellhase, Jeremy; Library (2000-2019)
- Sherman, Marlon; Native American Studies (2004-2018)
- Sibley, Brooks; Forestry (1969-2000)
- Sievers, Linda; Theatre, Film and Dance (1984-2006)
- Sievers, Rodney M; History (1971-2001)
- Simmons, Greg; Health and Physical Education (1982-2006)
- Simmons, Lindsay; Education (1972-1991)
- Sin, Srun M; Forestry and Watershed (1976-2001)
- Sise, William; Forestry and Watershed (1970-2004)
- Smith, James; Biological Sciences (1969-2000)
- Smith, Llyn; Anthropology (1990-2015)
- Smith, Steve; Biological Sciences (2001-2016)
- Snyder, Robert; Philosophy (1986-2014)
- Sonntag, Selma (Sam); Politics (1986-2014)
- Spaid, Stanley; History (1949-1971)
- Sprankle, Norman; Industrial Technology (1969-2001)
- Squires, Larry; English (1965-1983)
- Stacey, David; English [1999-2018]
- Stanley, Teresa; Art (1991-2016)
- Stauffer, Howard; Mathematics (1984-2006)
- Steinhagen, Elizabeth; Library (1989-96)
- Stepp, Richard; Physics (1973-2007)
- Stokes, Charlotte; Art (1999-2007)
- Stoob, John C; Computer Science (1981-2002)
- Stradley, Jean; Education (1958-1986)
- Stuart, John; Forestry (1982-2012)
- Stull, Richard; Kinesiology and Recreation Administration (1989-2011)
- Sullivan, Calista; Library (1996-2003)
- Sullivan, William; Forestry/Soils (1974-1997)
- Sundstrom, Roy; History (1969-1998)
- Suryaraman, M G; Chemistry (1966-1991)
- Tam, Patrick; Physics (1969-2003)
- Tang, Victor; Mathematics (1963-1988)
- Thobaben, Marshelle; Nursing (1982-2007)
- Thomas, Michael; Business (2005-2015)
- Thompson, Richard L; Physics (1968-2001)
- Thompson, Robert; Oceanography (1965-1983)
- Tucker, Roy; Mathematics (1959-1988)
- Turner, John P; English (1970-2002)
- Turner, Sara; Social Work (1976-1991)
- Upatisinga, Vis; Mathematics (1969-1997)
- Van Den Bergh, Nancy; Social Work (1996-2003)
- Van Putten, Barbara; Health and Physical Education (1961-1992)
- VanKirk, Robert; Natural Resources (1969-1990)
- VanKirk, Robert; Mathematics (2008-2013)
- Varkey, Jacob; Biological Sciences (1994-2017)
- Verlinden, Jay; Communication (1987-2012)
- Vrem, Richard; Mathematics (1980-2007)
- Walker, Dennis; Biological Sciences (1965-2005)
- Waller, Margaret; Social Work (2006-2017)
- Waters, James; Biological Sciences (1966-1998)
- Watson, Elizabeth; Sociology (1989-2011)
- Webb, Edward 'Buzz'; Psychology (1976-1999)
- Webb, Sheila; Education (1987-1999)
- Weinstein, Josh; Psychology (1969-1998)
- Wells, Harry; Religious Studies (1989-2010)
- Welsh, James F; Zoology (1959-1986)
- Wenger, Patrick; Anthropology (1969-2003)
- White, Jeffrey; Biological Sciences (2000-2022)
- White, Robert; Government and Politics (1969-1999)
- Whorf, Sarah; Art (2005-2022)
- Wieand, Lou Ann; Psychology (1984-2008)
- Williamson, Rhea; Environmental Resources Engineering (2011-2016)
- Willis, Robert; Environmental Resources Engineering (1977-2010)
- Wilson, Herschel 'Pete'; Journalism and Mass Communication (1971-1990)
- Wimmer, Ted; Library (1969-1988)
- Wisner (Reading), Ida; Library (1968-1978)
- Wood, William; Chemistry (1976-2008)
- Woodward, Wendy; Nursing (1979-2007)
- Yancey, Patricia; Education (2003-2011)
- Yanosko, Kenneth; Mathematics (1977-2004)
- Yarnall, John; Biology (1969-1992)
- Yee, Carlton; Forestry (1970-2000)
- Yingling, Julie; Communication (1988-2004)
- Young, Todd; Anthropology (1970-2000)
- Zulauf, Dwight; Business and Economics (1985-1990)

# Student Rights, Responsibilities & Conduct

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## Academic Honesty / Dishonesty Academic Honesty Policy (P16-05)

Academic honesty is of serious concern at Cal Poly Humboldt. Students are expected to maintain high standards of academic integrity. Acting in good conscience is integral to our vision statement.

Academic dishonesty is willful and intentional fraud and deception to improve a grade or obtain course credit. It includes all student behavior intended to gain unearned academic advantage by fraudulent and/or deceptive means.

Cheating is defined as obtaining or attempting to obtain, or aiding another in obtaining or attempting to obtain credit for work or any improvement in evaluation of performance, by any dishonest or deceptive means. Cheating includes, but is not limited to:

### Taking Information

- Copying graded homework assignments from another student.
- Working with others on a take-home test or homework when specifically prohibited by the instructor.
- Looking at another student's paper or screen during an examination.
- Looking at text, notes or electronic devices during an examination when specifically prohibited by the instructor.
- Accessing another student's electronic device and taking information from the device.
- Allowing another person to complete assignments or an on-line course.

### Providing Information

- Giving one's work to another to be copied or used in an oral presentation.
- Giving answers to another student during an examination or for a take-home test.
- After having taken an exam, informing another person in a later section about questions appearing on that exam.
- Providing a term paper to another student.
- Taking an exam, writing a paper, or creating a computer program or artistic work for another.

### Policy on Cheating

At faculty discretion, cheating may result in an "F" grade on the assignment or examination, or in the course. If a student denies the charge of cheating, s/he will be permitted to remain in the class through the formal hearing process (as outlined in California State University Executive Order 1098).

The instructor shall contact the student with evidence of the cheating in writing within one week of discovery of the event. The Academic Dishonesty Referral form will also be submitted to the Office of Student Rights & Responsibilities with copies to the student and to the student's major department. Student's rights shall be ensured through attention to matters of due process including timeliness of action.

The Student Conduct Administrator located in the Office of Student Rights & Responsibilities shall determine if any further disciplinary action is required. Disciplinary actions might include but are not limited to: requiring special counseling, loss of membership in organizations, or disciplinary probation, suspension or expulsion from the university and the CSU system.

Plagiarism is defined as the act of using the ideas or work of another person or persons as if they were one's own, without giving proper credit to the sources. Such actions include but are not limited to:

- Copying homework answers from the text to hand in for a grade.
- Failing to give credit for ideas, statements of facts, or conclusions derived by another author. Failure to use quotation marks when quoting directly from another, whether it be a paragraph, a sentence, or part thereof.
- Submitting a paper purchased from a "research" or term paper service or downloaded from the internet.
- Copying another student's paper and handing it in as one's own.
- Giving a speech or oral presentation written by another and claiming it as one's own work.
- Claiming credit for artistic work done by someone else, such as a musical composition, photos, a painting, drawing, sculpture, or design.
- Presenting another's computer program as one's own.

### Policy on Plagiarism

Plagiarism may be considered a form of cheating and therefore subject to the same policy as cheating which requires notification of the Office of Student Rights & Responsibilities and disciplinary action. However, as there may be plagiarism as a result of poor learning or inattention to format, and there may be no intent to deceive, some instructor discretion is appropriate. Under such circumstances, the instructor may elect to work with the student to correct the problem at an informal level. In any case that any penalty is applied, the student must be informed of the event being penalized and the penalty.

Within one week of discovery of the alleged plagiarism, the instructor will contact the student and describe the event deemed to be dishonest. In this contact, the student and instructor shall attempt to come to a resolution of the event. The instructor may assign an "F" or "O" on the exam or project, or take other action within the structure of the class as deemed appropriate to the student's behavior. A report of this contact and resolution shall be filed with the Office of Student Rights & Responsibilities using the Academic Dishonesty Referral form.

When a case is referred to the Office of Student Rights & Responsibilities, the consequences might be severe. Disciplinary actions might include but are not limited to: requiring special counseling, loss of membership in organizations, suspension or dismissal from individual programs, or disciplinary probation, suspension or expulsion from the university. If the Office of Student Rights and Responsibilities determines that no violation has occurred, the instructor will comply with the decision, and refrain from issuing penalties, or remove those already on the student's record.

Other forms of academic dishonesty include any actions intended to gain academic advantage by fraudulent and/or deceptive means not addressed specifically in the definition of cheating and/or plagiarism. These actions may include but are not limited to:

1. Planning with one or more fellow students to commit any form of academic dishonesty together.
2. Giving a term paper, speech or project to another student whom one knows will plagiarize it.
3. Having another student take one's exam or do one's computer program, lab experiment, or artistic work.
4. Lying to an instructor to increase a grade.
5. Submitting substantially the same paper or speech for credit in two different courses without prior approval of the instructors involved.
6. Altering a graded work after it has been returned, then submitting the work for regrading, without the instructor's prior approval.

7. Removing tests from the classroom without the approval of the instructor, or stealing tests.

The policy on these and other forms of academic dishonesty is the same as that described above for cheating.

## Student Responsibility

The student has full responsibility for the content and integrity of all academic work submitted. Ignorance of a rule does not constitute a basis for waiving the rule or the consequences of that rule. Students unclear about a specific situation should ask their instructors, who will explain what is and is not acceptable in their classes.

For further information on the disciplinary process and sanctions, see the Office of Student Rights & Responsibilities, Siemens Hall Room 211, 707-826-3504, or Associate Dean of Students, Student Rights & Responsibilities.

### Anti-Hazing & Initiation Policy

Each year universities experience hazing incidents that result in serious physical and/or emotional injury. As members in university student organizations, students may become victims in what are believed to be acceptable initiation traditions and rituals. Cal Poly Humboldt is committed to maintaining an environment that is safe, healthy and conducive to learning. We support the educational and character development of students as they transition into university life and continue toward graduation and becoming life-long learners.

## Definition of Hazing

Hazing is a violation of California State University and Cal Poly Humboldt policy, as well as State law.

Cal Poly Humboldt interprets the term "hazing" broadly, to include not just conduct likely to cause physical harm but also conduct likely to cause personal degradation or disgrace resulting in physical or mental harm. Hazing can occur even when the victim voluntarily submits to being hazed. The full definition of hazing is:

Any method of initiation or pre-initiation into a student organization or student body, whether or not the organization or body is officially recognized by an educational institution, which is likely to cause serious bodily injury to any former, current, or prospective student of any school, community college, college, university or other educational institution in this state (Penal Code 245.6), and in addition, any act likely to cause physical harm, personal degradation or disgrace resulting in physical or mental harm, to any former, current, or prospective student of any school, community college, college, university or other educational institution. The term "hazing" does not include customary athletic events or school sanctioned events.

Neither the express or implied consent of a victim of hazing, nor the lack of active participation in a particular hazing incident is a defense. Apathy or acquiescence in the presence of hazing is not a neutral act, and is also a violation of this section.

(Title 5, California Code of Regulations, section 41301(b)(8), emphasis added.) Participation in hazing, actively or passively, will result in both individual and organizational disciplinary action, including possible expulsion from Cal Poly Humboldt and the California State University system. Disciplinary action will also be initiated against organizational officers who permit hazing to occur within their own organization.

Examples of prohibited hazing activities include but are not limited to:

- Paddling, shoving, or otherwise striking individuals
- Requiring individuals to consume alcohol or drugs
- Requiring individuals to eat or drink foreign or unusual substances, or requiring the consumption of undue amounts of food
- Having substances thrown at, poured on, or otherwise applied to the bodies of individuals
- Morally degrading or humiliating games, or any other activities that make the individual the object of ridicule, including

postings on Facebook, Twitter, other forms of electronic media, and social network sites

- Transporting individuals against their will, abandoning individuals at distant locations, conducting a kidnap or engaging in any "road trip" or "ditch" that might in any way endanger or compromise the health, safety, or comfort of any individual
- Activities that require a person to remain in a fixed position for a long period of time
- "Line-ups" involving intense demeaning intimidation or interrogation, such as shouting obscenities or insults
- Assigning activities such as pranks or scavenger hunts that compel a person to deface property, engage in theft, or harass other individuals or organizations
- Requiring individuals to wear or carry unusual, uncomfortable, degrading, or physically burdensome articles or apparel Any activity or similar activity as described above upon which the initiation or admission into, or affiliation with the organization is directly or indirectly conditioned, or which occurs during a pre-initiation or initiation activity shall be presumed to be "compelled" activity, regardless of the willingness of an individual to participate in such an activity.

Engaging in hazing that is likely to cause serious bodily injury is also a crime, punishable by up to one year in jail and up to a \$5,000 fine. (Penal Code 245.6.) If Cal Poly Humboldt determines that hazing has occurred and appears to meet the criminal definition, it may refer the matter to the District Attorney's office for prosecution, regardless of any disciplinary action that is taken.

## Permissible Initiation Activities

Joining an on-campus organization should be a positive experience. Initiation rituals should therefore focus upon the positive aspects of both the organization and the individual. Examples of permissible team and community building include:

- Hosting a dinner for new members
- Completing a community service project
- Sponsoring activities such as hiking, camping, or bowling
- Hosting a fundraiser for a local charity such as a movie night
- Holding a new member recognition night

## Reporting Procedures

If you wish to report an act of hazing, you should contact University Police, at 707-826-5555, or the Office of Student Rights and Responsibilities, at 707-826-3504 or use the online Sexual Misconduct/Discrimination Report Form

## Prohibition Against Retaliation

"Retaliation" means adverse action taken against a student because the student has or is believed to have:

- reported or opposed conduct which the student reasonably and in good faith believes is hazing or
- participated in a hazing investigation/ disciplinary proceeding.

Organizations and individuals who retaliate against such student(s) shall be subject to university disciplinary action which may include suspension or permanent expulsion from the Cal Poly Humboldt and the California State University system.

## Availability of Institutional and Financial Assistance Information

The following information concerning student financial assistance may be obtained from Financial Aid, Student Business Services, Room 231, 707-826-4321

A description of the federal, state, institutional, local, and private student financial assistance programs available to students who enroll at Cal Poly Humboldt;

For each aid program, a description of procedures and forms by which students apply for assistance, student eligibility requirements, criteria for selecting recipients from the group of eligible applicants, and criteria for determining the amount of a student's award;

- A description of the rights and responsibilities of students receiving financial assistance, including federal Title IV student assistance programs, and criteria for continued student eligibility under each program;
- The satisfactory academic progress standards that students must maintain for the purpose of receiving financial assistance and criteria by which a student who has failed to maintain satisfactory progress may reestablish eligibility for financial assistance;
- The method by which financial assistance disbursements will be made to students and the frequency of those disbursements;
- The terms of any loan received as part of the student's financial aid package, a sample loan repayment schedule, and the necessity for repaying loans;
- The general conditions and terms applicable to any employment provided as part of the student's financial aid package;
- The terms and conditions of the loans students receive under the Direct Loan and Perkins Loan Programs;
- The exit counseling information the school provides and collects for student borrowers; and
- Contact information for campus offices available for disputes concerning federal, institutional and private loans.

Information concerning the cost of attending Cal Poly Humboldt is available on the Financial Aid website or may be obtained from Financial Aid, Student Business Services, Room 231, 707-826-4321, and includes tuition and fees; the estimated costs of books and supplies; estimates of typical student room, board, and transportation costs; and, if requested, additional costs for specific programs.

Information concerning the refund policies of Cal Poly Humboldt for the return of unearned tuition and fees or other refundable portions of institutional charges is available from Student Financial Services website or from Student & Business Services Room 285, 707-826-6789.

Information concerning policies regarding the return of federal Title IV student assistance funds as required by regulation is available from Student Financial Services, SBS 285, 707-826-6789.

Information regarding special facilities and services available to students with disabilities may be obtained from the Student Disability Resource Center, Lower Library Suite 5, 707-826-4678.

Information concerning Cal Poly Humboldt policies, procedures, and facilities for students and others to report criminal actions or other emergencies occurring on campus may be obtained from the University Police Department, Student and Business Services, Room 101, 707-826-5555.

Information concerning Cal Poly Humboldt annual campus security report and annual fire safety report are available on the university Clery Act Compliance website or 707-826-5175.

Information concerning the prevention of drug and alcohol abuse and rehabilitation programs may be obtained from Student Health & Wellbeing Services, 707-826-5228 or 707-826-3236.

Information regarding student retention and graduation rates at Cal Poly Humboldt and, if available, the number and percentage of students completing the program in which the student is enrolled or has expressed interest may be obtained from the Institutional Research, Analytics and Reporting website or Siemens Hall, Room 001, 707-826-5338.

Information concerning athletic opportunities available to male and female students and the financial resources and personnel that Cal Poly

Humboldt dedicates to its men's and women's teams may be obtained from the Athletics Main Office, Kinesiology and Athletics Building (KA), Room 205, 707-826-3666.

Information concerning teacher preparation programs at Cal Poly Humboldt, including the pass rate on teacher certification examinations, may be obtained from the Education and Credential Office, Harry Griffith Hall 202, 707-826-5867.

Information concerning grievance procedures for students who feel aggrieved in their relationships with the university, its policies, practices and procedures, or its faculty and staff may be obtained from the University Ombudsperson, 707-826-3311; the Vice President for Academic Affairs, Siemens Hall 216, 707-826-3722; or the Office of Student Rights & Responsibilities, Siemens Hall 211, 707-826-3504.

Information concerning student activities that Cal Poly Humboldt provides, may be found on the Humboldt Events webpage.

Information concerning student body diversity at Cal Poly Humboldt, including the percentage of enrolled, full-time students who are (1) male, (2) female, (3) Pell Grant recipients, and (4) self-identified members of a specific racial or ethnic group are available on the Institutional Research, Analytics and Reporting website or from Siemens Hall Room 001, 707-826-5338.

The federal Military Selective Service Act (the "Act") requires most males residing in the United States to present themselves for registration with the Selective Service System within thirty days of their eighteenth birthday. Most males between the ages of 18 and 25 must be registered.

Selective Service registration forms are available at any U.S. Post Office, and many high schools have a staff member or teacher appointed as a Selective Service Registrar. For more information on the Selective Service System and to initiate the registration process, visit the official Selective Service System website.

## Complaint Procedure, Student (Complaints Regarding the CSU)

The California State University takes very seriously complaints and concerns regarding the institution. If you have a complaint regarding the CSU, you may present your complaint as follows:

1. If your complaint concerns CSU's compliance with academic program quality and accrediting standards, you may present your complaint to the WASC Senior College and University Commission (WSCUC) on the WSCUC comments webpage. WSCUC is the agency that accredits the CSU's academic program.
2. If your complaint concerns an alleged violation by CSU of any law that prohibits discrimination, harassment or retaliation based on a protected status (such as age, disability, gender (or sex), gender identity, gender expression, nationality, race or ethnicity (including color, caste, or ancestry)), religion or veteran or military status), you may present your complaint as described in Section XVI (Nondiscrimination Policy).
3. If your complaint concerns an alleged violation by the CSU of other state law, including laws prohibiting fraud and false advertising, you may present your claim complaint to the campus president or designee at the Office of Student Rights and Responsibilities, 707-826-3504. See Procedure for Student Complaints-Executive Order No. 1063 for details regarding the complaint requirements and complaint process:
4. Other complaints regarding the CSU may be presented to the campus dean of students [or other appropriate administrator], who will provide guidance on the appropriate campus process for addressing your particular issue.

If you believe that your complaint warrants further attention after you have exhausted all the steps outlined by the campus, or by WASC, you may file an appeal with the Assistant Vice Chancellor, Academic and Student Affairs (or designee) at the CSU Chancellor's Office.

This procedure should not be construed to limit any right that you may have to take legal action to resolve your complaint.

## Student Conduct

Students at Cal Poly Humboldt assume the responsibility for conducting themselves in a manner compatible with the university's function as an educational institution and in a way, which will not impair achievement of the university's educational mission. Inappropriate conduct by students or applicants for admission is subject to discipline as provided in Title 5, California Code of Regulations, § 41301.

## Title 5, California Code of Regulations, § 41301.

### Standards for Student Conduct

#### Campus Community Values

The university is committed to maintaining a safe and healthy living and learning environment for students, faculty, and staff. Each member of the campus community should choose behaviors that contribute toward this end. Students are expected to be good citizens and to engage in responsible behaviors that reflect well upon their university, to be civil to one another and to others in the campus community, and contribute positively to student and university life.

#### Grounds for Student Discipline

Student behavior that is not consistent with the Student Conduct Code is addressed through an educational process that is designed to promote safety and good citizenship and, when necessary, impose appropriate consequences. The following are the grounds upon which student discipline can be based:

1. Dishonesty, including:
  - A. Cheating, plagiarism, or other forms of academic dishonesty that are intended to gain unfair academic advantage.
  - B. Furnishing false information to a university official, faculty member, or campus office.
  - C. Forgery, alteration, or misuse of a university document, key, or identification instrument.
  - D. Misrepresenting one's self to be an authorized agent of the university or one of its auxiliaries.
2. Unauthorized entry into, presence in, use of, or misuse of university property.
3. Willful, material and substantial disruption or obstruction of a University-related activity, or any on-campus activity.
4. Participating in an activity that substantially and materially disrupts the normal operations of the university, or infringes on the rights of members of the university community.
5. Willful, material and substantial obstruction of the free flow of pedestrian or other traffic, on or leading to campus property or an off-campus university related activity.
6. Disorderly, lewd, indecent, or obscene behavior at a University related activity, or directed toward a member of the university community.
7. Conduct that threatens or endangers the health or safety of any person within or related to the university community, including physical abuse, threats, intimidation, harassment, or sexual misconduct.
8. Hazing or conspiracy to haze. Hazing is defined as any method of initiation or pre-initiation into a student organization or student body, whether or not the organization or body is officially recognized by an educational institution, which is likely to cause serious bodily injury to any former, current, or prospective student of any school, community college, college, university or other educational institution in this state (Penal Code 245.6), and in addition, any act likely to cause physical harm, personal degradation or disgrace resulting in physical or mental harm, to any former, current, or prospective student of any school, community college, college, university or other educational institution. The term "hazing" does not include customary athletic events or school sanctioned events. Neither the express or implied consent of a

victim of hazing, nor the lack of active participation in a particular hazing incident is a defense. Apathy or acquiescence in the presence of hazing is not a neutral act, and is also a violation of this section.

9. Use, possession, manufacture, or distribution of illegal drugs or drug-related paraphernalia, (except as expressly permitted by law and university regulations) or the misuse of legal pharmaceutical drugs.
10. Use, possession, manufacture, or distribution of alcoholic beverages (except as expressly permitted by law and university regulations), or public intoxication while on campus or at a university related activity.
11. Theft of property or services from the university community, or misappropriation of university resources.
12. Unauthorized destruction or damage to university property or other property in the university community.
13. Possession or misuse of firearms or guns, replicas, ammunition, explosives, fireworks, knives, other weapons, or dangerous chemicals (without the prior authorization of the campus president) on campus or at a university related activity.
14. Unauthorized recording, dissemination, or publication of academic presentations (including handwritten notes) for a commercial purpose.
15. Misuse of computer facilities or resources, including:
  - Unauthorized entry into a file, for any purpose.
  - Unauthorized transfer of a file.
  - Use of another's identification or password.
  - Use of computing facilities, campus network, or other resources to interfere with the work of another member of the university community.
  - Use of computing facilities and resources to send obscene or intimidating and abusive messages.
  - Use of computing facilities and resources to interfere with normal university operations.
  - Use of computing facilities and resources in violation of copyright laws.
  - Violation of a campus computer use policy.
16. Violation of any published university policy, rule, regulation or presidential order.
17. Failure to comply with directions or interference with, any university official or any public safety officer while acting in the performance of their duties.
18. Any act chargeable as a violation of a federal, state, or local law that poses a substantial threat to the safety or wellbeing of members of the university community, to property within the university community or poses a significant threat of disruption or interference with university operations.
19. Violation of the Student Conduct Procedures, including:
  - Falsification, distortion, or misrepresentation of information related to a student discipline matter.
  - Disruption or interference with the orderly progress of a student discipline proceeding.
  - Initiation of a student discipline proceeding in bad faith.
  - Attempting to discourage another from participating in the student discipline matter.
  - Attempting to influence the impartiality of any participant in a student discipline matter.
  - Verbal or physical harassment or intimidation of any participant in a student discipline matter.
  - Failure to comply with the sanction(s) imposed under a student discipline proceeding.
20. Encouraging, permitting, or assisting another to do any act that could subject him or her to discipline.

#### Procedures for Enforcing this Code

The chancellor shall adopt procedures to ensure students are afforded appropriate notice and an opportunity to be heard before the university



imposes any sanction for a violation of the Student Conduct Code. [Note: At the time of publication, such procedures are set forth in California State University Executive Order 1098 (Revised 03/29, 2019).

#### **Application of this Code**

Sanctions for the conduct listed above can be imposed on applicants, enrolled students, students between academic terms, graduates awaiting degrees, and students who withdraw from school while a disciplinary matter is pending. Conduct that threatens the safety or security of the campus community, or substantially disrupts the functions or operation of the university is within the jurisdiction of this Article regardless of whether it occurs on or off campus. Nothing in this Code may conflict with Education Code Section 66301 that prohibits disciplinary action against students based on behavior protected by the First Amendment.

#### **Title 5, California Code of Regulations, § 41302. Disposition of Fees: Campus Emergency: Interim Suspension**

The president of the campus may place on probation, suspend, or expel a student for one or more of the causes enumerated in Section 41301. No fees or tuition paid by or for such student for the semester, quarter, or summer session in which he or she is suspended or expelled shall be refunded. If the student is readmitted before the close of the semester, quarter, or summer session in which he or she is suspended, no additional tuition or fees shall be required of the student on account of the suspension.

During periods of campus emergency, as determined by the president of the individual campus, the president may, after consultation with the chancellor, place into immediate effect any emergency regulations, procedures, and other measures deemed necessary or appropriate to meet the emergency, safeguard persons and property, and maintain educational activities.

The president may immediately impose an interim suspension in all cases in which there is reasonable cause to believe that such an immediate suspension is required in order to protect lives or property and to insure the maintenance of order. A student so placed on interim suspension shall be given prompt notice of charges and the opportunity for a hearing within 10 days of the imposition of interim suspension. During the period of interim suspension, the student shall not, without prior written permission of the president or designated representative, enter any campus of the California State University other than to attend the hearing. Violation of any condition of interim suspension shall be grounds for expulsion.

#### **Title 5, California Code of Regulations, § 41303. Conduct by Applicants for Admission**

Note: Authority cited: Sections 66300, 66600, 89030 and 89035, Education Code. Reference: Sections 66017, 66300, 66600, 69810-69813 and 89030, Education Code; and Section 626.2, Penal Code.

#### **Title 5, California Code of Regulations, § 41304. Student Disciplinary Procedures for the California State University**

Note: Authority cited: Sections 66300, 66600, 89030 and 89035, Education Code. Reference: Sections 66017, 66300, 66600, 69810-69813 and 89030, Education Code; and Section 626.2, Penal Code.

Questions regarding campus procedures and adjudicating complaints against students pursuant to the above-listed violations of Section 41301 of Title 5 of the California Code of Regulations can be answered in the Office of Student Rights & Responsibilities, 707-826-3504, or the Office of the Vice President for Enrollment Management, 707-826-3361.

#### **Civil and Criminal Penalties for Violation of Federal Copyright Laws**

Anyone who is found to be liable for copyright infringement may be liable for either the owner's actual damages along with any profits of the infringer or statutory damages of up to \$30,000 per work infringed. In the case of a willful infringement, a court may award up to \$150,000 per work infringed. (See 17 U.S.C. §504.) Courts also have discretion to award costs and attorneys' fees to the prevailing party. (See 17 U.S.C. §505.) Under certain circumstances, willful copyright infringement may

also result in criminal penalties, including imprisonment and fines. (See 17 U.S.C. §506 and 18 U.S.C. §2319.)

#### **Class Attendance & Disruptive Behavior**

Students have the right to attend and participate in all classes for which they are officially enrolled. They may be denied only for the purpose of maintaining suitable circumstances for teaching and learning. Any student who has neglected the work of the course or is disruptive to the educational process may be excluded from a course.

#### **Attendance**

At Humboldt, regular and punctual class attendance is expected. Each instructor establishes regulations regarding attendance requirements. It is the responsibility of the student to make arrangements regarding class work in those cases where the student's absence is because of participation in intercollegiate athletics, forensics, drama festivals, music tours, and the like.

#### **Disruptive Behavior**

Disruptive student behavior in the classroom is defined as behavior which interrupts, obstructs, or inhibits the teaching and learning processes. The faculty member determines what is disruptive and has a duty to terminate it. Disruptive behavior may take many forms: persistent questioning, incoherent comments, verbal attacks, unrecognized speaking out, incessant arguing, intimidating shouting, and inappropriate gestures.

Disruptive classroom behavior may, on the other hand, result from overzealous classroom participation, lack of social skills, or inappropriately expressed anger at the course content. Sometimes there is a thin line between controlling the learning environment and permitting students' academic freedom, between intentional and unintentional disruption. Faculty have the responsibility to maintain a learning environment in which students are free to question and criticize constructively and appropriately. Faculty also have the authority and responsibility to establish rules, to maintain order, and to eject students from the course temporarily for violation of the rules or misconduct.

The faculty member shall give at least one verbal warning to a student to cease in-class disruptive behavior. In cases of abusive behavior, this requirement may be waived. In addition, if the in-class disruption does not cease, an attempt shall be made to resolve the problem in a conference between the faculty member and the student. If disruption occurs after these two measures are taken, the instructor may file a complaint with the Office of Student Rights & Responsibilities to initiate university disciplinary action which may result in the student's permanent exclusion from the course and other disciplinary sanctions. Ordinarily, if a student banned from a course has passing status, the student will be granted a grade of W - withdrawal.

In cases where a student exhibits abusive behavior, is physically abusive, or threatens physical abuse, a verbal warning from the faculty member is not necessary. Examples might include directed profanity, physical disruption of the classroom, or threatening behavior. Public Safety may be requested to escort the student from the class, and an interim suspension may be imposed by the president.

Individuals in attendance in a course in which they are not officially enrolled may be excluded from the course by the instructor.

## **Diversity & Common Ground**

The principles enunciated as a basis for campus community require that students accord one another the fundamental respect due to fellow human beings and that they respect the various cultural traditions contributing to the richness of our human heritage. While freedom of thought and expression are values deeply held in an academic community, freedom should not be construed as license to engage in demeaning remarks or actions directed against individuals or groups on the basis of race, ethnicity, or gender.

## Educational Records: Privacy Rights of Students

The federal Family Educational Rights and Privacy Act of 1974 (20 U.S.C. 1232g) (FERPA) and regulations adopted thereunder (34 C.F.R. 99) set out requirements designed to protect students' privacy in their educational records maintained by the campus. The statute and regulations govern access to certain student records maintained by the campus and the release of those records. FERPA provides that the campus must give students access to most records directly related to the student, and must also provide opportunity for a hearing to correct the records if the student claims they are inaccurate, misleading, or otherwise inappropriate. The right to a hearing under this law does not include any right to challenge the appropriateness of a grade determined by the instructor. FERPA generally requires the campus obtain a student's written consent before releasing personally identifiable data pertaining to the student. The campus has adopted a set of policies and procedures governing implementation of FERPA and the regulations. Copies of these policies and procedures may be obtained at the Office of the Registrar, the Vice Provost for Academic Programs & Undergraduate/Graduate Studies, and the Office of Diversity & Inclusion. Among the information included in the campus statement of policies and procedures is: (1) the student records maintained and the information they contain; (2) the campus official responsible for maintaining each record; (3) the location of access lists indicating persons requesting or receiving information from the record; (4) policies for reviewing and expunging records; (5) student access rights to their records; (6) procedure for challenging the content of student records; and (7) the student's right to file a complaint with the Department of Education. The Department of Education has established an office and review board to investigate complaints and adjudicate violations. The designated office is: Family Policy Compliance Office, U.S. Department of Education, 400 Maryland Avenue, SW, Washington, D.C. 20202-5920.

FERPA authorizes the campus to release "directory information" pertaining to students. "Directory information" may include the student's name, address, telephone listing, electronic mail address, photograph, date and place of birth, major field of study, participation in officially recognized activities and sports, weight and height of members of athletic teams, dates of attendance, grade level, enrollment status, degrees, honors, and awards received, and the most recent previous educational agency or institution the student attended. The campus may release this "directory information" at any time unless the campus has received prior written objection from the student specifying the information the student requests not be released. Written objections must be sent to the Office of the Registrar.

The campus may release this "directory information" at any time unless the campus has received prior written objection from the student specifying the information the student requests not be released. Forms requesting the withholding of directory information are available at the Office of the Registrar, SBS 133.

The campus is authorized to provide access to student records to campus officials and employees who have legitimate educational interests in such access. These persons have responsibilities in the campus's academic, administrative or service functions and have reason for accessing student records associated with their campus or other related academic responsibilities. Student records will be disclosed to the CSU Chancellor's Office to conduct research, to analyze trends, or to provide other administrative services. Student records may also be disclosed to other persons or organizations under certain conditions (e.g., as part of the accreditation or program evaluation; in response to a court order or subpoena; in connection with financial aid; or to other institutions to which the student is transferring).

## Disclosure of Student Information

Agencies of the State of California may request, for recruitment purposes, information (including the names, addresses, major fields of study, and total units completed) of CSU students and former students. The university is required by law to release such information to state agencies. Students may request, in writing, release of such information. Students may also forbid release of any personally identifiable information to state agencies or any other person or organization. Forms requesting the withholding of personally identifiable information are available in the Office of the Registrar, SBS 133.

## Career Placement Information

The university may furnish, upon request, information about the employment of students who graduate from programs or courses of study preparing students for a particular career field. This information includes data concerning the average starting salary and the percentage of previously enrolled students who obtained employment. The information may include data collected from either graduates of the campus or graduates of all campuses in the California State University.

## Student Papers, Theses, or Projects

The university may require that graduate or undergraduate student papers, theses, or projects be placed in the library, available to interested members of the public. Students may wish to secure copyrights for their work. For information regarding proper procedure for obtaining a copyright, contact the library's documents section (3rd floor) or the Office of Academic Programs.

## Student Records Access Policy

The purpose of this Records Access Policy is to ensure that the campus community is aware of, and complies with, the Family Educational Rights and Privacy Act of 1974 as amended, 20 U.S.C. 1232g et seq. (FERPA), the regulations adopted thereunder, 34 C.F.R. 99, and California State University policy related to the administration of student education records. FERPA seeks to assure the right of privacy to the Education Records of persons who are or have been in attendance in postsecondary institutions. The university registrar is responsible for the biannual review of this policy.

## Definitions

For the purposes of this Policy, the following terms are defined below:

Student - any person who is or has been previously enrolled at the university.

Disclosure - access or release of personally identifiable information from an education record.

Access - personal inspection of an education record or an oral or written description of the contents of an education record.

Education Records - any records, files, documents, and other materials maintained by the university, which contain information directly related to a student. Consistent with FERPA, the following is excluded from the definition of education records:

- Information designated by the university as Directory Information (See Article II of this Policy);
- Information provided by parents related to student applications for financial aid or scholarships;
- Confidential letters or statements of recommendation filed on or before January 1, 1975;
- Records created and maintained by the university Police Department for law enforcement purposes;
- Employee records;
- Records of physicians, psychologists, psychiatrists, or other recognized professional or paraprofessional persons acting in their professional or paraprofessional capacity (e.g. treatment records);

- Information maintained by instructional, supervisory, administrative, and related educational personnel which is not revealed to any other person except a substitute;
- Alumni records which contain only information relating to a person after that person was no longer a student.

- Extended Education: Director, College of Extended Education & Global Engagement Graduate student: Dean, Office of Academic Programs & Undergraduate/ Graduate Studies
- Health: Director, Student Health & Wellness
- Housing: Director, Housing & Residence Life
- Financial & Student Payroll: Controller, Financial Services
- Financial Aid: Director, Financial Aid
- Placement: Director, Academic & Career Advising Center

## Directory Information

1. **Designated Directory Information.** The university designates the following items as directory information: student name; mailing addresses (on-campus residence hall addresses are not released to the public); email addresses; telephone number (on-campus residence hall telephone numbers are only released with prior permission of the resident); date and place of birth; major field of study; participation in officially recognized activities and sports; weight and height of members of athletic teams; photographs; dates of attendance; class level; enrollment status (full-time/part-time, undergraduate, graduate); degrees and awards received; most recent previous educational agency or institution attended.
2. **Right to Request that Directory Information Not be Released.** Directory information is subject to release by Cal Poly Humboldt at any time unless a student requests confidential status to prevent the release of the information listed above to non-university persons or organizations. Such a request will result in outside parties (including friends and relatives of the student) being unable to obtain contact information for the student through the university and the university being unable to include the student's name in information provided to outside parties offering scholarship, career and other opportunities and benefits. Request Confidential Status of Directory Information.

### Annual Notification.

The registrar will ensure that students are notified of their rights under this policy by annual publication on the Office of the Registrar website, and in the University Catalog and Graduate Student Handbook. The university registrar will review this policy and campus information management practices concerning education records at least every two years or more often as the need arises and recommend to the president any changes deemed necessary after such review.

### Inspecting Education Records

Students who wish to inspect the contents of their education records must make a written request to the university registrar. Each unit custodian or designee will meet with the student at a time and place set by the unit custodian. The unit custodians are listed in Article VI of this policy. The original records may not leave the unit custodian's office. The unit custodian must respond to the student's request within forty-five (45) days. When an education record contains information about more than one student, the student may inspect only the records which relate the student.

### Copies

While students retain the right to inspect their education records, the university may refuse to provide copies of such records, including transcripts, if students have an unpaid financial obligations to the university. (See Section 42381 of Title 5 of the California Code of Regulations and CSU policy.)

### Custodians of Education Records

The university registrar is the university custodian of education records. The unit custodian is the person who has physical custody of the requested records, or is in charge of the office with such custody. The unit custodian shall properly control access, handle, store, and dispose of the education records as appropriate.

The following is a list of the types of education records that the university maintains, and the unit custodians:

- Academic: University Registrar, Office of the Registrar
- Counseling & Psychological Services: Director, Counseling & Psychological Services
- Disciplinary: Coordinator, Office of Student Rights & Responsibilities, Enrollment Management

### Disclosure of Education Records

- A. **Disclosure to School Officials.** The university may disclose education records without written consent of Students to school officials who have a legitimate educational interest in the records. Examples of school officials include the following:
  1. University employees in an administrative, supervisory, academic, research, or support staff position (including the Health Center staff) in the ordinary course of the performance of their job duties or providing a service or benefit relating to the Student, such as health care, counseling, job placement, or financial aid;
  2. University Police Department employees;
  3. Independent contractors or employees thereof who have contracted with the university to perform a service for the university (such as the National Student Clearinghouse), or a special task (such as an attorney or auditor);
  4. Student(s) or university employees serving on an official committee, such as a student disciplinary or grievance committee, or assisting another school official in performing such tasks.
- B. **Third Party Access.** The university will not disclose education records to an outside party without the written consent of the student, except the university may disclose education records without consent of the student:
  1. To officials of another school, upon request, in which a Student seeks or intends to enroll;
  2. To authorized representatives of the U.S. Department of Education, the controller general, and state and local educational authorities, in connection with audit or evaluation of certain state or federally supported education programs;
  3. In connection with a student's application for, or receipt of, financial aid;
  4. To organizations conducting studies for educational agencies in connection with predictive tests, student aid programs or improvements to instruction;
  5. To accrediting organizations to carry out their functions;
  6. To parents of a student who is claimed as a dependent for income tax purposes;
  7. To comply with a judicial order or lawfully issued subpoena. A reasonable effort will be made to notify the student in advance of compliance unless the courts or other issuing agency has ordered that the existence of the contents of the subpoena or the information furnished in response to the subpoena not be disclosed;
  8. To appropriate parties in a health or safety emergency;
  9. To individuals requesting directory information so designated by the university;
  10. The final results of a student disciplinary hearing that upholds a charge of a "crime of violence" or "non-forcible sex offense;"
  11. To the victim only, the final results of a disciplinary hearing conducted by the institution against the alleged perpetrator of a "crime of violence" or of a "non-forcible sex offense," whether or not the charges are sustained;
  12. To U.S. Military recruiters pursuant to federal regulations (See 32 CFR 216);
  13. To the Student and Exchange Visitor Information System (SEVIS), the INS internet-based system for tracking,

monitoring and reporting information to the INS about international students;

14. To comply with a court order to produce education records sought by the U.S. Attorney General (or designated federal officer or employee in a position not lower than assistant attorney general) based on "specific and articulable facts giving reason to believe that the education records are likely to contain information" relevant to the investigation or prosecution of terrorist acts;
  15. To counsel or the court when the student whose records are being disclosed has sued the university provided such a disclosure is relevant for the university to defend itself in the lawsuit.
- C. Log of Requests. Each Unit Custodian will maintain a record of all requests for and/or disclosures of information from a Student's Education Records unless otherwise required by federal or state law, including without limitation the USA Patriot Act of 2001. (PL 107-56, 2001 HR 3152; 115 Stat 272. Unless otherwise required by law, the log will state (1) the name of the requesting party, (2) any additional party to whom it may be re-disclosed, and (3) the legitimate interest the party had in obtaining the information (unless a school official is the requesting party). A Student may review this log upon request.

### **Challenging the Contents of an Education Record**

Students have the right to challenge the contents of their education records if they believe the education records are inaccurate or misleading. Following are the procedures for the correction of education records:

- A. Request to Amend or Correct Education Records. A student may request amendment or correction of the student's education records(s) by submitting a written request to the university registrar. The student shall identify the part of the education record to be amended or corrected and state the reason(s) the student believes the information in the record is inaccurate or misleading.
- B. Notice of Decision. The university registrar shall within 15 working days of receipt of the written request of a student provide notice to the student of (1) the decision to either comply with or deny the request, (2) of the student's right to file a complaint under the grievance policy and procedures for students filing complaints other than discrimination or unprofessional conduct against faculty, staff, or administrators (University Management Letter 00-01); and (3) of the Student's right to place a statement of dispute in the Education Record.
- C. Statement of Dispute. If the university registrar decides not to comply with the student's request to amend or correct the specified education record, the student has the right to place in the education record a statement commenting on the challenged information and stating the reasons the student believes the record is inaccurate or misleading. The statement will be maintained as part of the student's education records as long as the contested portion is maintained. If the university discloses the contested portion of the record, it must also disclose the statement.

### **U.S. Department of Education Complaints**

Students have the right to file a complaint with the U.S. Department of Education regarding compliance with FERPA. The name and address of the office that administers FERPA is:

#### **Family Policy Compliance Office**

U.S. Department of Education  
400 Maryland Avenue, SW  
Washington, D.C. 20202-4605  
800-USA-LEARN  
Federal Relay Service, TTY :800-877-8339

## **First-Time Freshmen: How to Graduate in Four Years**

At Humboldt, we realize that the completion of your undergraduate degree in four years may be an important goal. To assist you, we are committed to advising you on how to graduate within four years.

At the same time, we believe that an education with an emphasis on time constraints might not meet some students' desire for enhanced educational and growing experiences. If you choose to change majors, enhance your education by taking additional courses, involve yourself in extracurricular activities, study abroad, engage in one or more internships or work study opportunities, or simply work, it may not be possible to graduate within four years. The quality of your experience may be more important than the time required to complete your degree.

As a residential community, Humboldt staff and faculty will strive to provide you with an enriched educational experience. We offer the following guidelines for completing graduation requirements in four years:

- Enroll in general education mathematics and writing composition during first year.
- Satisfactorily complete a minimum of 30 semester units per year. (Certain majors may require additional units per year.) You need a minimum GPA of 2.0 to graduate.
- Meet each semester with your assigned academic advisor to plan an appropriate course of study.
- Declare a major at the time of admission or during your first semester. A major change may increase the time to degree.
- Meet all financial aid and fee-payment deadlines.
- Apply for graduation at least three semesters prior to graduation.
- Participate in early registration each semester and refrain from withdrawing and/or taking educational leaves.

The university will provide regular academic advising, provide required courses, and make available sufficient class offerings for the student to make satisfactory progress.

If the required courses for a four-year degree plan are not available, and if all conditions above are met, the student will not be required to pay tuition and/or the tuition fee otherwise required to register and enroll in subsequent courses necessary for graduation. This is the sole remedy for the university's breach of the four-year degree pledge program. Please contact the Office of the Registrar, SBS 133, if you wish to establish this agreement.

## **Graduation/Persistence Rates**

The federal Student Right to Know law (PL 101-542 as amended) requires an institution to disclose graduation and persistence rates for first-time, full-time, degree-seeking undergraduate students. The following reflects the six-year graduation rate for the group of first-time, full-time students who entered Cal Poly Humboldt in the Fall of 2015: 47.3%.

The persistence rate for first-time, fulltime students who entered Cal Poly Humboldt in the Fall of 2020 is 73.7%. Previous years rates can be found on the Institutional Research, Analytics & Reporting website.

## **Grievance Procedure, Student**

The purpose of the Student Grievance Procedure is to provide a means by which a student may pursue a complaint against a member of the faculty, staff, or administration at Cal Poly Humboldt for an alleged violation of campus policy. The Student Grievance Procedure applies to such matters (not an exhaustive list) as appeal of an advising decision; appeal of a decision by an administrator or faculty advisor regarding permitting individual or group activities; complaint of unfair application of standards applied to work required for award of a degree.

The Cal Poly Humboldt community recognizes that a student may dispute a decision or action by a member of the faculty, staff or administration. In most cases, these disputes are handled informally through normal academic or administrative channels where the student discusses a

concern directly with the University Ombudsperson, a representative from the Office of the Vice President for Student Affairs, or a representative from the Office of the Dean for Undergraduate Studies. These persons can provide advice on possible means for resolving the problem without the need for pursuing the steps indicated in this procedure. For those few instances when informal resolution is not possible, the student may utilize the Student Grievance Procedure, which permits timely review and an impartial evaluation of the student's complaint.

Grievance Policy and Procedures for Students Filing Complaints Other than Discrimination or Unprofessional Conduct Against Faculty, Staff, or Administrators

## **Programs Leading to Licensure & Credentialing**

Admission into programs leading to licensure and credentialing does not guarantee that students will obtain a license or credential. Licensure and credentialing requirements are set by agencies that are not controlled by or affiliated with the CSU and requirements can change at any time. For example, licensure or credentialing requirements can include evidence of the right to work in the United States (e.g., social security number or taxpayer identification number) or successfully passing a criminal background check. Students are responsible for determining whether they can meet licensure or credentialing requirements. The CSU will not refund tuition, fees or any associated costs to students who determine subsequent to admission that they cannot meet licensure or credentialing requirements. Information concerning licensure and credentialing requirements are available from the Office of Academic Affairs, Siemens Hall 216, 707-826-3722.

The California State University has not determined whether its programs meet other states' educational or professional requirements for licensure and certification. Students enrolled in a California State University program who are planning to pursue licensure or certification in other states are responsible for determining whether they will meet their state's requirements for licensure or certification. This disclosure is made pursuant to 34 CFR §668.43(a)(5)(v)(C).

## **Nondiscrimination Policy and Complaint Procedures**

### **Protected Status: Age, Genetic Information, Marital Status, Medical Condition, Nationality, Race or Ethnicity (including color, caste, or ancestry), Religion or Religious Creed, and Veteran or Military Status.**

California State University does not discriminate on the basis of age, genetic information, marital status, medical condition, nationality, race or ethnicity (including color, caste and ancestry), religion (or religious creed), and veteran or military status – as these terms are defined in Interim CSU Policy Prohibiting Discrimination, Harassment, Sexual Misconduct, Sexual Exploitation, Dating Violence, Domestic Violence, Stalking and Retaliation in its programs and activities, including admission and access. Federal and state laws, including Title VI of the Civil Rights Act of 1964 and the California Equity in Higher Education Act, prohibit such discrimination. Title IX and Discrimination, Harassment and Retaliation Prevention has been designated to coordinate the efforts of Cal Poly Humboldt to comply with all applicable federal and state laws prohibiting discrimination on these bases. Inquiries concerning compliance may be presented to this department at Title IX and Discrimination, Harassment and Retaliation Prevention, Siemens Hall 213, Cal Poly Humboldt, Arcata, CA 95521-8299, 707-826-5177. Interim procedures for complaints of discrimination, harassment, sexual

misconduct, sexual exploitation, dating violence, domestic violence, stalking and retaliation made against a student, (or any successor policy) is the systemwide procedure for all complaints or discrimination, harassment or retaliation made against other CSU students. Interim procedures for complaints of discrimination, harassment, sexual misconduct, sexual exploitation, dating violence, domestic violence, stalking and retaliation (or any successor procedure) is the system wide procedure for all complaints of discrimination, harassment or retaliation made against the CSU, a CSU employee or a third party).

### **Protected Status: Disability**

The California State University does not discriminate on the basis of disability (physical and mental) - as this term is defined in the Interim CSU Policy Prohibiting Discrimination, Harassment, Sexual Misconduct, Sexual Exploitation, Dating Violence, Domestic Violence, Stalking and Retaliation - in its programs and activities, including admission and access. Federal and state laws, including sections 504 and 508 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990, prohibit such discrimination. Title IX and Discrimination, Harassment and Retaliation Prevention has been designated to coordinate the efforts of Cal Poly Humboldt to comply with all applicable federal and state laws prohibiting discrimination on the basis of disability. Inquiries concerning compliance may be presented to this department at Title IX and Discrimination, Harassment and Retaliation Prevention, Siemens Hall 213, Cal Poly Humboldt, Arcata, CA 95521-8299, 707-826-5177. Interim Procedures for Complaints of Discrimination, Harassment, Sexual Misconduct, Sexual Exploitation, Dating Violence, Domestic Violence, Stalking and Retaliation Made Against a Student (or any successor procedure) is the systemwide procedure for all complaints of discrimination, harassment or retaliation made against, other CSU students. Interim Procedures for Complaints of Discrimination, Harassment, Sexual Misconduct, Sexual Exploitation, Dating Violence, Domestic Violence, Stalking and Retaliation (or any successor procedure) is the systemwide procedure for all complaints of discrimination, harassment or retaliation made against the CSU, a CSU employee or a third party).

### **Protected Status: Gender (or sex) Gender Identity (including nonbinary and transgender), Gender Expression, and Sexual Orientation**

California State University does not discriminate on the basis of gender (or sex), gender (including nonbinary and transgender), gender expression or sexual orientation - as these terms are defined in CSU policy - in its programs and activities, including admission and access. Federal and state laws, including Title IX of the Education Amendments of 1972, prohibit such discrimination. The Title IX Coordinator has been designated to coordinate the efforts of Cal Poly Humboldt to comply with all applicable federal and state laws prohibiting discrimination on these bases. Inquiries concerning compliance may be presented to Title IX and Discrimination, Harassment and Retaliation Prevention, Siemens Hall 213, Cal Poly Humboldt, Arcata, CA 95521-8299, 707-826-5177. The California State University is committed to providing equal opportunities to male and female CSU students in all campus programs, including intercollegiate athletics. Interim Procedures for Complaints of Discrimination, Harassment, Sexual Misconduct, Sexual Exploitation, Dating Violence, Domestic Violence, Stalking and Retaliation Made Against a Student (or any successor) is the systemwide procedure for all complaints of discrimination, harassment or retaliation made against other CSU students. Interim Procedures for Complaints of Discrimination, Harassment, Sexual Misconduct, Sexual Exploitation, Dating Violence, Domestic Violence, Stalking and Retaliation (or any successor procedure) is the systemwide procedure for all complaints of discrimination, harassment or retaliation made against the CSU, a CSU employee or a third party).

As a matter of federal and state law and California State University policy, the following types of conduct are prohibited:

Sex Discrimination or Gender Discrimination is (an) adverse action taken against a complainant because of their protected status.

Adverse Action means an action engaged in by the respondent that has a substantial and material adverse effect on the complainant's ability to participate in a university program, activity, or employment. Minor or trivial actions or conduct not reasonably likely to do more than anger or upset a complainant does not constitute an adverse action.

Sexual Harassment means unwelcome verbal, nonverbal or physical conduct of a sexual nature that includes, but is not limited to, sexual advances, requests for sexual favors, offering employment benefits or giving preferential treatment in exchange for sexual favors, or indecent exposure, and any other conduct of a sexual nature where:

1. Submission to, or rejection of, the conduct is explicitly or implicitly used as the basis for any decision affecting a Complainant's academic status or progress, or access to benefits and services, honors, programs, or activities available at or through the university; or
2. Submission to, or rejection of, the conduct by the Complainant is explicitly or implicitly used as the basis for any decision affecting a term or condition of the Complainant's employment, or an employment decision; or
3. The conduct is sufficiently severe, persistent, or pervasive that its effect, whether or not intended, could be considered by a reasonable person in the shoes of the Complainant, and is in fact considered by the Complainant, as limiting their ability to participate in or benefit from the services, activities or opportunities offered by the university; or

The conduct is sufficiently severe, persistent, or pervasive that its effect, whether or not intended, could be considered by a reasonable person in the shoes of the Complainant, and is in fact considered by the Complainant, as creating an intimidating, hostile or offensive environment.

Sexual Harassment could include being forced to engage in unwanted sexual contact as a condition of membership in a student organization or in exchange for a raise or promotion; being subjected to video exploitation or a campaign of sexually explicit graffiti; or frequently being exposed to unwanted images of a sexual nature in a work environment, or in a classroom where the images are unrelated to the coursework.

Claiming that the conduct was not motivated by sexual desire is not a defense to a complaint of Sexual Harassment.

Sexual and/or romantic relationships between members of the campus community may begin as consensual, and may develop into situations that lead to Discrimination, Harassment, Retaliation, Sexual Misconduct, Dating or Domestic Violence, or Stalking subject to this policy.

### **Sexual Misconduct**

All sexual activity between members of the CSU community must be based on Affirmative Consent. Engaging in any sexual activity without first obtaining Affirmative Consent to the specific activity is Sexual Misconduct, whether or not the conduct violates any civil or criminal law.

A. Sexual activity includes, but is not limited to:

- Kissing
- touching intimate body parts
- fondling
- intercourse
- penetration, no matter how slight, of the vagina or anus with any part or object
- oral copulation of a sex organ by another person.

B. Sexual Misconduct includes, but is not limited to, the following conduct:

- an attempt, coupled with the ability, to commit a violent injury on the person of another because of that person's Gender or Sex,

- the intentional touching of another person's intimate body parts without Affirmative Consent,
- intentionally causing a person to touch the intimate body parts of another without Affirmative Consent,
- using a person's own intimate body part to intentionally touch another person's body without Affirmative Consent,
- any unwelcome physical sexual acts, such as unwelcome sexual touching,
- using physical force, violence, threat, or intimidation to engage in sexual activity,
- ignoring the objections of the other person to engage in sexual activity,
- causing the other person's incapacitation through the use of drugs or alcohol to engage in sexual activity,
- taking advantage of the other person's incapacitation to engage in sexual activity.

C. Intimate body part means the sexual organ, anus, groin, buttocks, or breasts of any person.

D. Sexual activity between a Minor (a person younger than 18 years old) and a person who is at least 18 and two years older than the Minor always constitutes Sexual Misconduct, even if there is Affirmative Consent to all sexual activity. The existence of Affirmative Consent and/or the type of sexual activity may be relevant to the determination of an appropriate Sanction.

E. Persons of all Genders, Gender Identities, Gender Expressions, and Sexual Orientations can be victims of these forms of Sexual Misconduct. Sexual Misconduct can be committed by an individual known to the victim including a person the Complainant may have just met, i.e., at a party, introduced through a friend, or on a social networking website.

F. Affirmative Consent. Affirmative Consent must be voluntary, and given without coercion, force, threats, or intimidation. It is the responsibility of each person involved in the sexual activity to ensure Affirmative Consent has been obtained from the other participant(s) prior to engaging in the sexual activity. Affirmative Consent means an agreement to engage in sexual activity that is:

- Informed
- Affirmative
- Conscious
- Voluntary and
- Mutual
- Lack of protest or resistance does not mean there is Affirmative Consent.
- Silence does not mean there is Affirmative Consent.
- The existence of a dating or social relationship between those involved, or the fact of past sexual activities between them, should never by itself be assumed to be an indicator of Affirmative Consent.
- A request for someone to use a condom or birth control does not, in and of itself, mean there is Affirmative Consent.
- Affirmative Consent can be withdrawn or revoked. Consent must be ongoing throughout a sexual activity and can be revoked at any time, including after sexual activity begins. Once consent is withdrawn or revoked, the sexual activity must stop immediately. Consent to one form of sexual activity (or one sexual act) does not constitute consent to other forms of sexual activity. Consent given to sexual activity on one occasion does not constitute consent on another occasion.

G. Incapacitation

Affirmative Consent cannot be given by a person who is incapacitated. A person is unable to consent when asleep, unconscious, or incapacitated due to the influence of drugs, alcohol, or medication so that the person could not understand the fact, nature, or extent of the sexual activity. A person is incapacitated if

the person lacks the physical and/or mental ability to make informed, rational decisions. A person with a medical or mental disability may also lack the capacity to give consent. Whether an intoxicated person (as a result of using alcohol or other drugs) is incapacitated depends on the extent to which the alcohol or other drugs impact the person's decision-making ability, awareness of consequences, and ability to make informed judgments. A person's own intoxication or incapacitation from drugs or alcohol does not diminish that person's responsibility to obtain Affirmative Consent before engaging in sexual activity. Sexual activity with a minor (a person under 18 years old) is not consensual, because a minor is considered incapable of giving consent due to age. It shall not be a valid excuse that a person affirmatively consented to the sexual activity if the Respondent knew or reasonably should have known that the person was unable to consent to the sexual activity under any of the following circumstances:

- The person was asleep or unconscious
  - The person was incapacitated due to the influence of drugs, alcohol, or medication, so that the person could not understand the fact, nature, or extent of the sexual activity
  - The person could not understand the fact, nature, or extent of the sexual activity, or was unable to communicate, due to a mental or physical condition
- H. It shall not be a valid excuse that the Respondent believed that the person consented to the sexual activity under either of the following circumstances:
- The Respondent's belief in Affirmative Consent arose from the intoxication or recklessness of the Respondent;
  - The Respondent did not take reasonable steps, in the circumstances known to the Respondent at the time, to ascertain whether the person affirmatively consented.

## Dating Violence and Domestic Violence

Dating Violence means physical violence or threat of physical violence committed by a person-

- A. who is or has been in a social relationship of a romantic or intimate nature with the Complainant; and
- B. where the existence of such a relationship shall be determined based on a consideration of the following factors:
  - The length of the relationship.
  - The type of relationship.
  - The frequency of interaction between the persons involved in the relationship.

Domestic Violence means physical violence or threat of physical violence committed by a current or former spouse or intimate partner of the Complainant, by a person with whom the Complainant shares a child in common, by a person who is cohabitating with or has cohabitated with the Complainant as a spouse or intimate partner, or by a person similarly situated to a spouse of the Complainant. Physical violence means physical conduct that intentionally or recklessly threatens the health and safety of the recipient of the behavior, including assault.

## Stalking

Stalking means engaging in a Course of Conduct directed at a specific person that would cause a reasonable person to fear for the safety of self or others' safety or to suffer Substantial Emotional Distress. For purposes of this definition:

- A. Course of Conduct means two or more acts, including but not limited to, acts in which one party directly, indirectly, or through third parties, by any action, method, device, or means, follows, monitors, observes, surveils, threatens, or communicates to or about the other party, or interferes with the other party's property.

- B. Substantial Emotional Distress means significant mental suffering or anguish that may but does not necessarily require medical or other professional treatment or counseling.

## Prohibited Consensual Relationships

A Prohibited Consensual Relationship is a consensual sexual or romantic relationship between an Employee and any Student or Employee over whom they exercise direct or otherwise significant academic, administrative, supervisory, evaluative, counseling, or extracurricular authority.

## Retaliation

Retaliation means that a substantial motivating reason for an Adverse Action taken against a person was because the person has or is believed to have:

- A. Exercised their rights under this policy,
- B. Reported or opposed conduct which was reasonably and in good faith believed to be in violation of this policy,
- C. Assisted or participated in an investigation/proceeding under this policy, regardless of whether the Complaint was substantiated,
- D. Assisted someone in reporting or opposing a violation of this policy or assisted someone in reporting or opposing Retaliation under this policy.

Adverse Action means an action engaged in by the Respondent that has a substantial and material adverse effect on the Complainant's ability to participate in a university program, activity, or employment. Minor or trivial actions or conduct not reasonably likely to do more than anger or upset a Complainant does not constitute an Adverse Action. Retaliation may occur whether or not there is a power or authority differential between the individuals involved.

## Additional Prohibited Conduct Definitions

Sexual Harassment means conduct on the basis of Sex that satisfies one or more of the following:

- A. An Employee conditioning the provision of an aid, benefit, or service of the University on an individual's participation in unwelcome sexual conduct;
  - B. Unwelcome conduct determined based on the reasonable person standard to be so severe, pervasive, and objectively offensive that it effectively denies a person equal access to an Education Program or Activity.
  - C. Sexual Assault includes the following:
    - Rape is the penetration, or attempted penetration, no matter how slight, of the vagina or anus with any body part or object, or oral penetration by a sex organ of another person, without the Affirmative Consent of the Complainant. Rape also includes the attempted penetration, no matter how slight, of the vagina or anus with any body part or object, or oral penetration by a sex organ of another person, without the Affirmative Consent of the Complainant, with the present ability and the intent to commit Rape.
    - Fondling is the touching of the private body parts of another person for the purpose of sexual gratification, without the Affirmative Consent of the victim, including instances where the Complainant is incapable of giving Affirmative Consent because of their age or because of their temporary or permanent mental incapacity.
    - Incest is sexual intercourse between persons who are related to each other within the degrees wherein marriage is prohibited by law.
    - Statutory Rape is sexual intercourse with a person who is under the age of 18 years, the California statutory age of consent.
- The definition of Affirmative Consent is that under Article VII.A.3 above.
- D. Dating Violence means physical violence or threat of physical violence committed by a person:

- who is or has been in a social relationship of a romantic or intimate nature with the Complainant; and
  - where the existence of such a relationship shall be determined based on a consideration of the following factors:
    1. The length of the relationship.
    2. The type of relationship.
    3. The frequency of interaction between the persons involved in the relationship.
- E. Domestic Violence means physical violence or threat of physical violence committed by a current or former spouse or intimate partner of the Complainant, by a person with whom the Complainant shares a child in common, by a person who is cohabitating with or has cohabitated with the Complainant as a spouse or intimate partner, or by a person similarly situated to a spouse of the Complainant.
- F. Stalking means engaging in a course of conduct directed at a specific person that would cause a reasonable person to:
- fear for their safety or the safety of others; or
  - suffer substantial emotional distress.

See further information in Cal Poly Humboldt sexual violence prevention and education statement, Title IX Notice of Nondiscrimination (which includes facts and myths about sexual violence), and Victim's Rights and Options Notice on the Cal Poly Humboldt Title IX & Discrimination, Harassment, and Retaliation Prevention website and Stop Rape: Response and Prevention webpage..

## Whom to Contact If You Have Complaints, Questions, or Concerns

Title IX requires the university to designate a Title IX Coordinator to monitor and oversee overall Title IX compliance. The campus Title IX Coordinator is available to explain and discuss the university's complaint process, including the investigation and hearing process; the availability of reasonable supportive measures (both on and off campus regardless of whether the person chooses to report the conduct); the to file a criminal complaint (for example, in cases of sexual misconduct); how confidentiality is handled; and other related matters. If you are in the midst of an emergency, please call the police immediately by dialing 9-1-1. Complaints of sexual assault or sexual harassment may be made to:

### Humboldt Campus Advocate Team (CAT)

Available 24/7  
707-445-2881

### Title IX & Discrimination, Harassment, & Retaliation Prevention

David Hickcox, Title IX Coordinator  
Siemens Hall 213

david.hickcox@humboldt.edu;  
707-826-5177 or 707-826-5175

8 a.m. to 5 p.m., Monday through Friday  
<https://titleix.humboldt.edu/>

### University Police

Student & Business Services Building, 101  
hsupd@humboldt.edu  
707-826-5555

Title IX requires the university to adopt and publish complaint procedures that provide for prompt and equitable resolution of gender discrimination complaints, including sexual harassment and misconduct, as well as provide training, education and preventive measures related to sex discrimination. CSU Interim Procedures for Complaints of Discrimination, Harassment, Sexual Misconduct, Sexual Exploitation, Dating Violence, Domestic Violence, Stalking and Retaliation Made Against a Student (or any successor) is the systemwide procedure for all complaints of discrimination, harassment or retaliation made against other CSU students. Interim Procedures for Complaints of Discrimination, Harassment, Sexual Misconduct, Sexual Exploitation, Dating Violence, Domestic Violence, Stalking and Retaliation (or any successor procedure) is the systemwide procedure for all complaints of

discrimination, harassment or retaliation made against the CSU, a CSU employee or a third party.

Duty to Report. Except as provided below under confidentiality and sexual misconduct, dating violence, domestic violence, and stalking, any university employee who knows or has reason to know of allegations or acts that violate university policy shall promptly inform the Title IX Coordinator. These employees are required to disclose all information including the names of the parties, even where the person has requested that their name remain confidential. The Title IX Coordinator will determine whether confidentiality is appropriate given the circumstances of each such incident. (See confidential reporting options outlined below.)

Regardless of whether an alleged victim of gender discrimination ultimately files a complaint, if the campus knows or has reason to know about possible sexual discrimination, harassment or misconduct, it must review the matter to determine if an investigation is warranted. The campus must then take appropriate steps to eliminate any gender discrimination/harassment/misconduct, prevent its recurrence, and remedy its effects.

### U.S. Department of Education, Office for Civil Rights (OCR)

800-421-3481 (main office), or 415-486-5555 (California office), or 800-877-8339 (TDD) or ocr@ed.gov (main office)

or ocr.sanfrancisco@ed.gov (California office)

If you wish to fill out a complaint form online with the OCR, you may do so using the OCR Electronic Complaint Form.

### Safety of the Campus Community is Primary

The university's primary concern is the safety of its campus community members. The use of alcohol or drugs never makes the victim at fault for gender discrimination, harassment or sexual misconduct; therefore, victims should not be deterred from reporting incidents of sexual misconduct out of a concern that they might be disciplined for related violations of drug, alcohol or other university policies. Except in extreme circumstances, victims of sexual misconduct shall not be subject to discipline for related violations of the Student Conduct Code.

### Information Regarding Campus, Criminal, and Civil Consequences of Committing Acts of Sexual Violence

Individuals alleged to have committed sexual misconduct may face criminal prosecution by law enforcement and may incur penalties as a result of civil litigation. In addition, students may face discipline at the university, up to and including suspension or expulsion and withholding of their degrees. Employees may face sanctions up to and including suspension, demotion or dismissal from employment, pursuant to established CSU policies and provisions of applicable collective bargaining unit agreements.

Students who are found responsible by the university with gender discrimination, harassment or sexual misconduct will be subject to discipline, pursuant to Interim Procedures for Complaints of Discrimination, Harassment, Sexual Misconduct, Sexual Exploitation, Dating Violence, Domestic Violence, Stalking and Retaliation Made Against a Students and the California State University and Student Conduct Procedures (see Executive Order 1098, revised on August 14, 2020, or any successor executive order) and will be subject to appropriate sanctions. In addition, during any investigation, the university may implement interim measures in order to maintain a safe and non-discriminatory educational environment. Such measures may include but not be limited to: immediate interim suspension from the university; a required move from university-owned or affiliated housing; adjustments to course schedule; and/or prohibition from contact with parties involved in the alleged incident.

### Confidentiality and Sexual Violence, Dating Violence, Domestic Violence and Stalking

The university encourages victims of sexual misconduct, dating violence, domestic violence or stalking to talk to someone about what happened - so they can get the support they need, and so the university can respond appropriately.



## Privileged & Confidential Communications

### Physicians, Psychotherapists, Professional Licensed Counselors, Licensed Clinical Social Workers, and Clergy

Physicians, Psychotherapists, Professional Licensed Counselors, Licensed Clinical Social Workers, and Clergy - Physicians, psychotherapists, professional, licensed counselors, licensed clinical social workers, and clergy who work or volunteer on or off campus, acting solely in those roles or capacities as part of their employment, and who provide medical or mental health treatment or counseling (and those who act under their supervision, including all individuals who work or volunteer in their centers and offices) may not report any information about an incident of sexual misconduct to anyone else at the university, including the Title IX Coordinator, without the victim's consent. A victim can seek assistance and support from physicians, psychotherapists, professional, licensed counselors, licensed clinical social workers and clergy without triggering a university investigation that could reveal the victim's identity or the fact of the victim's disclosure. However, see limited exceptions below regarding when health care practitioners must report to local law enforcement agencies. Health care practitioners should explain these limited exceptions to victims, if applicable.

### Sexual Assault and Domestic Violence Counselors and Advocates –

Sexual assault and domestic violence counselors and advocates who work or volunteer on or off campus in sexual assault centers, victim advocacy offices, women's centers and health centers (including those who act in that role under their supervision, along with non-professional counselors or advocates who work or volunteer in sexual assault centers, victim advocacy offices, women's centers, gender equity centers, or health centers), may talk to a victim without revealing any information about the victim and the incident of sexual misconduct to anyone else at the university, including the Title IX Coordinator, without the victim's consent. A victim can seek assistance and support from these counselors and advocates without triggering a university investigation that could reveal his/her identity or that a victim disclosed an incident to them. However, see limited exceptions below regarding when sexual assault and domestic violence counselors and advocates must report to local law enforcement agencies. Counselors and advocates should explain these limited exceptions to victims, if applicable.

The university will be unable to conduct an investigation into a particular incident or pursue disciplinary action against a perpetrator if a victim chooses to (1) speak only to a physician, professional licensed counselor, licensed clinical social worker, clergy member, sexual assault counselor, domestic violence counselor or advocate; and (2) maintain complete confidentiality. Even so, these individuals will assist victims in receiving other necessary protection and support, such as victim advocacy, disability services, medical/health or mental health services, or legal services, and will advise victims regarding their right to file a Title IX complaint with the university and a separate complaint with local or university police. If a victim insists on confidentiality, such professionals, counselors and advocates will likely not be able to assist the victim with: university academic support or accommodations; changes to university-based living or working schedules; or adjustments to course schedules. A victim who at first requests confidentiality may later decide to file a complaint with the university or report the incident to the police, and thus have the incident fully investigated. These counselors and advocates can provide victims with that assistance if requested by the victim. These counselors and advocates will also explain that Title IX includes protections against retaliation, and that the university will not only take steps to prevent retaliation when it knows or reasonably should know of possible retaliation, but will also take strong responsive action if retaliation occurs.

#### Exceptions:

Under California law, any health practitioner employed in a health facility, clinic, physician's office, or local or state public health department or clinic is required to make a report to local law enforcement if he or she provides medical services for a physical condition to a patient/victim who he or she knows or reasonably suspects is suffering

from (1) a wound or physical injury inflicted by a firearm; or (2) any wound or other physical injury inflicted upon a victim where the injury is the result of assaultive or abusive conduct (including sexual misconduct, domestic violence, and dating violence). This exception does not apply to sexual assault and domestic violence counselors and advocates. Health care practitioners should explain this limited exception to victims, if applicable.

Additionally, under California law, all professionals described above (physicians, psychotherapists, professional counselors, licensed clinical social workers, clergy, and sexual assault and domestic violence counselors and advocates) are mandatory child abuse and neglect reporters, and are required to report incidents involving victims under 18 years of age to local law enforcement. These professionals will explain this limited exception to victims, if applicable.

Finally, some or all of these professionals may also have reporting obligations under California law to: (1) local law enforcement in cases involving threats of immediate or imminent harm to self or others where disclosure of the information is necessary to prevent the threatened danger; or (2) to the court if compelled by court order or subpoena in a criminal proceeding related to the sexual misconduct, dating or domestic violence, or stalking incident. If applicable, these professionals will explain this limited exception to victims.

### Reporting to University or Local Police

If a victim reports to local or university police about sexual misconduct crimes, the police are required to notify victims that their names will become a matter of public record unless confidentiality is requested. If a victim requests that their identity be kept confidential, their name will not become a matter of public record. However, even if the victim requests confidentiality of identity, the University Police should specifically ask the victim if the victim's name can be provided to the Title IX Office so that the Title IX Coordinator can contact the victim to discuss supportive measures that can be offered. If a victim gives consent to law enforcement to provide their name to the Title IX Coordinator, their name will not become a matter of public record. Even if a victim does not give the police permission to provide their name to the Title IX Coordinator, University police will report the facts of the incident itself to the Title IX Coordinator being sure not to reveal to the Title IX Coordinator victim names/identities or compromise their own criminal investigation. The university is required by the federal Clery Act to report certain types of crimes (including certain sex offenses) in statistical reports. However, while the university will report the type of incident in the annual crime statistics report known as the Annual Security Report, victim names/identities will not be revealed.

### Reporting to the Title IX Coordinator and Other University Employees

Most university employees have a duty to report incidents of sexual misconduct when they are on notice of it. When a victim tells the Title IX Coordinator or another university employee about an incident of sexual misconduct, the victim has the right to expect the university to take immediate and appropriate steps to investigate what happened and to resolve the matter promptly and equitably. In all cases, the university strongly encourages victims to report incidents of sexual misconduct directly to the campus Title IX Coordinator. As detailed above, in the "Privileged and Confidential Communications" section of this policy, all university employees except physicians, licensed professional counselors, licensed clinical social workers, sexual assault counselors and advocates, must report to the Title IX Coordinator all relevant details about any incidents of sexual misconduct of which they become aware. The university will need to determine what happened - and will need to know the names of the victim(s) and the perpetrator(s), any witnesses, and any other relevant facts, including the date, time and specific location of the incident.

To the extent possible, information reported to the Title IX Coordinator or other university employees will be shared only with individuals responsible for handling the university's response to the incident. The university will protect the privacy of individuals involved in a sexual

misconduct violence incident except as otherwise required by law or university policy. A report of sexual misconduct may result in the gathering of extremely sensitive information about individuals in the campus community. While such information is considered confidential, university policy regarding access to public records and disclosure of personal information may require disclosure of certain information concerning a report of sexual misconduct. In such cases, efforts will be made to redact the records, as appropriate, in order to protect the victim's identity and privacy and the privacy of other involved individuals. Except as detailed in the section on "Privileged and Confidential Communications" above, no university employee, including the Title IX Coordinator, should disclose the victim's identity to the police without the victim's consent or unless the victim has also reported the incident to the police.

If a victim requests of the Title IX Coordinator or another university employee that their identity remain completely confidential, the Title IX Coordinator will explain that the university cannot always honor that request or guarantee complete confidentiality. If a victim wishes to remain confidential or request that no investigation be conducted or disciplinary action taken, the university must weigh that request against the university's obligation to provide a safe, non-discriminatory environment for all students, employees, and third parties, including the victim. Under those circumstances, the Title IX Coordinator will determine whether the victim's request for complete confidentiality and/or no investigation can be honored under the facts and circumstances of the particular case, including whether the university has a legal obligation to report the incident, conduct an investigation or take other appropriate steps. Without information about a victim's identity, the university's ability to meaningfully investigate the incident and pursue disciplinary action against the perpetrator may be severely limited. See Executive Order 1095 (or any successor executive order) for further details around confidential reporting, and other related matters.

#### **Additional Resources**

Cal Poly Humboldt's sexual misconduct violence prevention and education statement, which includes facts and myths about sexual misconduct violence, at:

Sexual Assault, Intimate Partner/Domestic Violence, Dating Violence and Stalking Policy

Stop Rape: Response and Prevention

Title IX and Discrimination, Harassment and Retaliation Prevention website.

#### **U.S. Department of Education, regional office**

Office for Civil Rights  
50 United Nations Plaza  
San Francisco, CA 94102  
415-486-5555

TDD 877-521-2172

OCR [SanFrancisco@ed.gov](mailto:SanFrancisco@ed.gov)

#### **U.S. Department of Education, national office**

Office for Civil Rights

800-421-3481

TDD 800-8778339

OCR@ed.gov

#### **California Coalition Against Sexual Assault**

1215 K. Street, Suite 1850

Sacramento, CA 95814

(916) 446-2520

California Coalition Against Sexual Assault Website

- Domestic and Family Violence, Office of Justice Programs, United States Department of Justice: Intimate Partner Violence
- National Institute of Justice: Intimate Partner Violence, Office of Justice Programs, United States Department of Justice
- National Domestic Violence Hotline Website and phone number 1-800-799-SAFE (7233)

- Office of Violence against Women, United States Department of Justice
- Centers for Disease Control and Prevention: Intimate Partner Violence

#### **Humboldt Campus Advocate Team (CAT)**

707-445-2881

Available 24 hours a day, 7 days a week

North Coast Rape Crisis Team website

#### **Cal Poly Humboldt Counseling & Psychological Services**

Student Health & Wellbeing Services

Monday through Friday 9:00 a.m. - 4:30 p.m.

707-826-3236 (available 24/7)

Counseling and Psychological Services website

## **Rights & Responsibilities (Student) for a Campus Community**

In 1990, the Carnegie Foundation for the Advancement of Teaching issued a special report entitled *Campus Life: In Search of Community*. The report challenged the nation's universities to build campus communities based upon six principles:

First, a university is an educationally purposeful community, where faculty and students share academic goals and work together to strengthen teaching and learning.

Second, a university is an open community, where freedom of expression is uncompromisingly protected and where civility is powerfully affirmed.

Third, a university is a just community, where the sacredness of the person is honored and where diversity is aggressively pursued.

Fourth, a university is a disciplined community, where individuals accept their obligations to the group and where well-defined governance procedures guide behavior for the common good.

Fifth, a university is a caring community, where the well-being of each member is sensitively supported and where service to others is encouraged.

Sixth, a university is a celebrative community, one in which the heritage of the institution is remembered and where rituals affirming both tradition and change are widely shared.

Cal Poly Humboldt accepts this challenge and to this end presents specific implications of these principles in the areas of student life and activity.

## **Safety & Security (Campus)**

As a recognized California law enforcement agency, Cal Poly Humboldt's University Police Department is required to report crimes to the Department of Justice on a monthly basis. Statistics for crimes, arrests, property loss, and recovery are reported simultaneously to the CSU Chancellor's Office.

The Cal Poly Humboldt Annual Security Report is published in compliance with the Jeanne Clery Disclosure of Campus Security Policy and Campus Crime Statistics Act. The report includes crime awareness and campus security statistics (including hate crime statistics). The annual security reports are published online: Annual Security Reports

Cal Poly Humboldt Clery Act Compliance

707-826-5542

Cal Poly Humboldt Clery Act Compliance webpage

The Housing Fire Safety Report contains information related to fire safety and fire statistics in campus housing and is available on the Housing and Residence Life website under Forms and Documents. When an emergency strikes, there are multiple ways the campus community will be alerted and informed. These include free text messaging to those who register their cell phone number, RSS feeds to computers and smart phones, social networking, audible alert tones, and public announcements. The best sources of current information are posted to Cal Poly Humboldt's homepage, recorded on the campus

conditions phone line (707-826-INFO), and/or broadcast live on KHSU 90.5 FM radio. These systems are tested each semester.

The University Police Department offers on-campus 24-hour safety escort service. Call 707-826-5555 for information.

The University Police Department actively participates in the following public safety education programs: residence hall presentations, building security programs, crime prevention and alert notices, drug awareness training, acquaintance rape/ rape awareness, women's self-defense, bicycle registration, property identification programs, and active shooter awareness and defense.

## Substance Abuse Policy & Sanctions

The faculty, staff, and administration of Cal Poly Humboldt are dedicated to creating an environment that allows students to achieve their educational goals. Humboldt believes that an awareness through education is necessary to promote a healthy lifestyle for our campus, and that every member of the campus community should be encouraged to assume responsibility for a person's behavior.

Cal Poly Humboldt subscribes to a drug-free campus and workplace (Drug-Free Workplace Act, 1988; Drug-Free Schools and Communities Act Amendment, 1989, PL101-226). Manufacture, sale, distribution, dispensation, possession, or use of alcohol and controlled substances by university students and employees on university property, at official university functions, or on university business is prohibited except as permitted by law, university policy, and campus regulations.

Students, faculty, and staff violating these policies are subject to disciplinary action, which may include expulsion or termination of employment, and may be referred for criminal prosecution and/or required to participate in appropriate treatment programs.

## Federal, State & Local Sanctions Regarding Controlled Substances

### Federal Laws Governing Distribution, Use & Possession of Controlled Substances

Under federal law, the manufacture, sale, or distribution of all Schedule I and II illicit drugs or "counterfeit" substances (for example, cocaine, methamphetamines, heroin, PCP, LSD, fentanyl, and all mixtures containing such substances, as well as "counterfeit" substances purported to be Schedule I or II illicit drugs) is a felony with penalties for first offenses ranging from five years to life (20 years to life if death or serious injury is involved) and fines of up to \$4 million for offenses by individuals (\$10 million for other than individuals). Federal law also prohibits trafficking in marijuana, hashish, and mixtures containing such substances. For first offenses, maximum penalties range from five years to life (20 years to life if death or serious injury are involved) and fines of up to \$4 million for offenses by individuals (\$10 million for other than individuals). Penalties vary, depending upon the quantity of drugs involved. For second offenses, penalties range from 10 years to life (not less than life if death or serious injury involved), and fines of up to \$8 million for individuals (\$20 million for other than individuals). For illegal trafficking in medically useful drugs (for example, prescription and over-the-counter drugs) maximum prison sentences for first offenses range up to five years, and ten years for second offenses. Anabolic steroids are controlled substances, and distribution or possession with intent to distribute carries a sentence of up to six years and a \$250,000 fine.

Federal law also prohibits illegal possession of controlled substances, with prison sentences up to one year and fines up to \$100,000 for first offenses, and imprisonment up to two years and fines up to \$250,000 for second offenses. Special sentencing provisions apply for possession of crack cocaine, including imprisonment of five to twenty years and fines up to \$250,000 for first offenses, depending upon the amount possessed.

Persons convicted of possession or distribution of controlled substances can be barred from receiving benefits from any and all federal programs (except long-term drug treatment programs), including contracts, professional and commercial licenses, and student grants and loans.

Health care providers are barred from receiving federal insurance payments upon conviction of a criminal offense involving distributing or dispensing controlled substances. Property, including vehicles, vessels, aircraft, money, securities, or other things of value used in, intended for use in, or traceable to transactions that involve controlled substances in violation of federal law are subject to forfeiture to the government. Finally, noncitizens convicted of violating any state, federal, or foreign law or regulation are subject to deportation and exclusion from entry to the U.S.

## California Laws Governing Distribution, Use & Possession of Drugs and Alcohol

No person may sell, furnish, give, or cause to be sold, furnished, or given away, any alcoholic beverage to a person under age 21 or to any obviously intoxicated person. No person under age 21 may purchase alcoholic beverages or possess alcoholic beverages on any street or highway or in any place open to public view. It is illegal to sell alcohol without a valid liquor license or permit. It is unlawful for any person to drink while driving, to have an open container of alcohol in a moving vehicle, or to drive under the influence of alcohol (intoxication is presumed at blood alcohol levels of .08% or higher, but may be found with levels under .08%). It is also illegal to operate a bicycle while intoxicated. Penalties for a first drunk driving offense include attending an alcohol/drug program, fines up to \$1,000, up to six months in jail, and driver's license suspension up to six months. Second offenses are punishable by fines up to \$1,000, imprisonment up to one year, driver's license suspension up to 18 months, and/or a required drug/alcohol program of up to 30 months. Third and fourth offenses carry similar sanctions, plus three- and four-year revocations of driver's license, respectively. Driving privileges are suspended for one year for refusing to submit to a blood alcohol test, for two years if there is a prior offense within seven years, and for three years with three or more offenses within seven years.

Under California law, first offenses involving the sale or possession for sale of amphetamines, barbiturates, codeine, cocaine, Demerol, heroin, LSD, mescaline, methadone, methamphetamine, morphine, PCP, peyote, Quaalude, psilocybin, and marijuana are felonies carrying prison terms of seven years or more. Manufacture of illegal drugs may result in prison terms of 20 years or more. Penalties are more severe for offenses involving manufacture or distribution of illegal drugs by convicted felons and for distribution within 1,000 feet of a school or university, within 100 feet of a recreational facility, to anyone in prison or jail, to anyone under 18 by anyone over 18, or to a pregnant woman. Personal property may be seized if it contains drugs or was used in a drug transaction. The illegal possession of most of these drugs is also a felony (marijuana may be a felony or misdemeanor depending upon the amount involved), carrying maximum prison sentences of up to seven years.

Sources: Printed with permission from University of California, Davis - materials prepared for members of Bay Area Consortium of College and University Prevention Programs (Baccupp) by Linda Cherry, © 1990; Federal Register, Vol 55, Number 159, p 33588 and 33590; materials prepared by California Department of Justice Training Center (classifications of drug offenses); and California and Federal legislation, regulations, and case law.

## Alcohol & Other Drugs: Education & Prevention Services & Programs

A key element of alcohol and drug abuse prevention is students working with other students to create healthy norms of behavior on campus. Through the Health Education and Promotion Program of Student Health & Wellbeing Services, students can get involved in bringing vital health outreach and leadership on a variety of health topics (including substance use) to the campus community. Contact the university health educator at 707-826-5228 for more information.

Many self-help groups meet both on campus and in the community. Check the bulletin board outside the health educator's office and

counseling center on the second floor of the Student Health & Wellbeing Services for exact names, places, and times. There are many community resources (public, private nonprofit, and private for profit) available on the Student Health and Wellbeing Services website.

#### **On Campus Resources**

##### **Counseling & Psychological Services**

707-826-3236

##### **Student Health & Wellbeing Services**

707-826-3146

A list of Health and Safety Links is available on the Student Health and Wellbeing Services website.

#### **Health Risks Associated with Substance Abuse**

Substance abuse can cause extremely serious health and behavioral problems, including short- and long-term effects upon the body and mind. The physiological and psychological responses differ according to the chemical ingested. Although chronic health problems are associated with long-term substance abuse, acute and traumatic reactions can occur from one-time and moderate use.

The health risks associated with each of five major classifications of controlled/illegal substances are summarized below. In general, alcohol and drugs are toxic to the body's systems. In addition, contaminant poisonings often occur with illegal drug use, and mixing drugs, or using "counterfeit" substances, can also be lethal. Human Immunodeficiency Virus (HIV or AIDS), other sexually transmitted infections, rape, unwanted pregnancies, injuries, accidents, and violence can result from alcohol abuse or drug use. In addition, substance abuse impairs learning ability and performance.

Acute health problems may include heart attack, stroke, and sudden death, which, in the case of drugs such as cocaine, can be triggered by first-time use. Long lasting health effects of drugs and alcohol may include disruption of normal heart rhythm, high blood pressure, blood vessel leaks in the brain, destruction of brain cells and permanent memory loss, infertility, impotency, immune system impairment, kidney failure, cirrhosis of the liver, and pulmonary (lung) damage. Drug use during pregnancy may result in miscarriage, fetal damage and birth defects causing hyperactivity, neurological abnormalities, developmental difficulties, and infant death.

Alcohol. As many as 360,000 of the nation's 12 million undergraduates will ultimately die from alcohol-related causes while in school. This is more than the number who will get MAs and Ph.D. combined. Nearly half of all college students binge drink (binge drinking is defined as five or more drinks at a time for men, four or more drinks for women). On campuses where binge drinking is rampant (where more than 70 percent of the student body binge drinks), the vast majority of college students have experienced one or more problems as a result of their peers' binge drinking. These problems include physical assault, sexual harassment, and impaired sleep and study time. Alcohol on college campuses is a factor in 40 percent of all academic problems and 28 percent of all dropouts.

Sources: Wechsler, Henry, et al. 'Health and Behavioral Consequences of Binge Drinking in College.' *Journal of American Medical Association*, Vol 272, Number 21 1994), p 1672-1677; Eigan, Lewis, 'Alcohol Practices, Policies and Potentials of American Colleges and Universities,' An OSAP White Paper, office for Substance Abuse Prevention, Rockville, MD, February 1991; Anderson, David, 'Breaking the Tradition on College Campuses: Reducing Drug and Alcohol Misuse,' George Mason University, Fairfax, VA 1994.

Long-term abuse of alcohol results in ulcers, gastritis, pancreatitis, liver disease, hepatitis, and cirrhosis and is associated with cancers of the digestive tract. Chronic heavy consumption can lead to stroke, heart disease, hypertension, anemia, susceptibility to tuberculosis, gastrointestinal bleeding, impotence and fertility loss. Episodic binge drinking can cause toxic reactions leading to death when large amounts are consumed or when alcohol is combined with other drugs. The most common negative health consequences from occasional drinking are

trauma-related (accidents and violence), and involve both the drinker and non drinking victims.

Other Depressants. These drugs include narcotics (for example, opium, heroin, morphine, codeine, and synthetic opiates) and sedative-hypnotics and anti-anxiety medications (for example, Nembutal, Seconal, Quaalude, Miltown, Equanil). All are central nervous depressants that slow down physical and psychological responses. The most serious risk is toxic reaction, or overdose, which causes death when respiratory, cardiac, and circulatory systems slow down and cease to function. Sedatives and anti-anxiety drugs can cause temporary psychosis, hallucinations, paranoid delusions, interference with short-term memory, impaired judgment and motor performance.

Stimulants. These drugs include amphetamines, methamphetamines, and cocaine (crack). Stimulant drugs are exceedingly dangerous to both physical and mental health. Physical complications include heart attack, stroke, permanent brain damage, fatal heart rhythm abnormalities, convulsions, and physical exhaustion. Psychological complications include psychosis, paranoia anxiety, violent behavior, and depression that may lead to suicide. Injection of these drugs may lead to serious infections, including AIDS.

Hallucinogens. These drugs include mescaline, psilocybin, LSD, MDMA (ecstasy), and various mushrooms. They involve health risks such as panic reactions, flashbacks, toxic reactions (overdose), hallucinations, and death. Psychological states induced can include paranoia and psychosis. Misidentification of mushrooms can lead to serious or fatal illness.

PCP. PCP users often become violent and oblivious to pain, leading to serious injuries to self and others.

Marijuana. This drug simultaneously creates physical symptoms akin to both depressants (relaxation, sleepiness) and stimulants (increased respiratory/heart rates). Chronic marijuana smoking results in respiratory difficulties, bronchitis, and probably both emphysema and lung cancer. Episodic use can cause panic reactions, flashbacks, and depression. Psychosis may occur in susceptible individuals, and severe toxic reactions may result from ingestion of large quantities.

Some of the most serious consequences of marijuana use result when decreased judgment, impaired perceptions and motor functions, and inability to carry out multistep tasks lead to motor vehicle crashes and other trauma.

## **Policy on Systemwide Smoke and Tobacco Free Environment**

### **I. Authority and Purpose.**

This executive order is issued pursuant to Title 5, California Code of Regulations, Sections 42356, Government Code 7597.1, and the Standing Orders of the Board of Trustees. A cornerstone of the California State University and higher education is the principle of one's individual freedom to learn, teach, work, think, and take part in their intellectual and career endeavors in a fulfilling, rewarding, safe, and healthy environment. For decades, the health hazards of tobacco and second-hand smoke to individuals have been well studied and chronicled. Further, studies have clearly demonstrated the acute health benefits, medical costs savings, and organizational costs savings when individuals quit smoking. Thus, in order to provide the California State University's faculty, staff, students, guests and the public with campuses that support the principle of one's individual freedom to learn, teach, work, think and take part in their intellectual endeavors in a fulfilling, rewarding, safe and healthy environment, the creation and implementation of a "smoke and tobacco free" policy systemwide is necessary and welcome. Campus Presidents or their designees shall have the responsibility for implementing the policy on their campuses with an implementation date of September 1, 2017.

## II. Definitions

**Members of the CSU Community:** This includes all students, faculty, staff, alumni, university volunteers, contractors or vendors and visitors to any California State University campus or properties. **University Properties:** These include the interior and exterior campus areas of any California State University campus. This definition includes buildings (including residence halls), structures (including parking structures), parking lots, and outdoor areas owned, leased or rented by the university or one of its auxiliaries. Also included are vehicles owned, leased or rented by the university or one of the university's auxiliaries. Private vehicles on university-owned, leased, or rented land or in university-owned, leased, or rented parking structures will also be subject to compliance with Executive Order 1108.

**Smoke Free:** "Smoke Free" means the use of cigarettes, pipes, cigars, and other "smoke" emanating products including e-cigarettes, vapor devices and other like products are prohibited on all university properties.

**Smoke or Smoking:** "Smoke" or "Smoking" means inhaling, exhaling, burning, or carrying any lighted or heated cigar, cigarette, cigarillo, pipe, hookah, or any other lighted or heated tobacco or plant product intended for inhalation, whether natural or synthetic, in any manner or in any form. "Smoke" or "Smoking" also includes the use of an electronic smoking device that creates an aerosol or vapor, in any manner or in any form, or the use of any oral smoking device for the purpose of circumventing the prohibition of smoking.

**Tobacco Product:**

- i A product containing, made or derived from tobacco or nicotine that is intended for human consumption, whether smoked, heated, chewed, absorbed, dissolved, inhaled, snorted, sniffed, or ingested by any other means, including, but not limited to cigarettes, cigars, little cigars, chewing tobacco, pipe tobacco, and snuff.
- ii An electronic device that delivers nicotine or other vaporized liquids to the person inhaling from the device, including, but not limited to, an electronic cigarette, cigar, pipe, or hookah.
- iii Any component, part, accessory of a tobacco product, whether or not sold separately.
- iv "Tobacco product" does not include a product that has been approved by the United States Food and Drug Administration for sale as a tobacco cessation product or for other therapeutic purposes where the product is market and sold solely for such an approved purpose.

III. **Tobacco Free:** "Tobacco Free" means the use of cigarettes, pipes, cigars, smokeless tobacco, snuffs, and other tobacco products are prohibited on all university properties.

## IV. Policy

Campus Presidents or their designees shall have the responsibility of implementing this Executive Order on their campuses with an anticipated implementation date no later than September 1, 2017. **Scope of this Executive Order:** Effective September 1, 2017, all California State University campuses shall be 100% Smoke Free and Tobacco Free. Smoking, the use or sale of tobacco products, and the use of designated smoking areas are prohibited on all California State University properties. Members of the CSU community are expected to fully comply with the policy. Any sponsorship and/or advertising in respect to any university activity or event by a tobacco product manufacturer is prohibited unless explicitly authorized by the University President or designee.

## V. Exceptions:

- i Smoking in university-sponsored theater and dance productions, student-authored or sponsored scenes, showcases or workshops produced as part of the department of theatre as well as ceremonial campus events may be authorized by the President or designee only when a required part of a specific performance. This includes smoking and/or tobacco use for

traditional ceremonial activities of recognized cultural and/or religious groups.

- ii The use of nicotine cessation products regulated by the United States Food and Drug Administration for treating nicotine or tobacco dependencies is permitted under the terms of this executive order.
- iii Institutional Review Board approved research on tobacco or tobacco-related products.

VI. **Collective Bargaining:** Nothing in this executive order shall extend the existing grounds for employee discipline and, to the extent that any of these provisions are in conflict with a Collective Bargaining Agreement, the terms of the Collective Bargaining Agreement shall be controlling.

VII. **Compliance, Responsibilities and Enforcement**  
Compliance is grounded in an informed and educated campus community. The success of this policy depends on the thoughtfulness, civility and cooperation of all members of the campus community, including visitors.

Members of the CSU community are individually responsible to comply with the creation of a systemwide smoke and tobacco free environment. While compliance with this executive order is an individual responsibility, members of the CSU community should be aware that enforcement of this policy may occur in the following instances:

- i University Police shall reserve all enforcement authority with regards to any violation of existing state and federal law.
- ii Individual agreements that prohibit smoking and proscribe penalties for breaches that are not impacted by this executive order (e.g. University Housing license agreements, other residential licenses, or existing leases).

Educational campaigns, outreach, communication and the promotion of tobacco cessation treatment options will be the primary means to promote compliance. A comprehensive education and outreach campaign, including resources and referrals for cessation will be made available as part of campus implementation programs.

The progress this policy represents in promoting the ability of students, faculty, staff and visitors to have a healthier and pleasant campus experience aligns well with the CSU's mission. Individual campus support and diligence in moving forward with the implementation and amendment of current policies is sincerely appreciated.

Hostile and/or violent interpersonal conduct directed against members of the CSU community requesting that an individual(s) comply regarding compliance with the terms of this executive order will not be tolerated, and will be enforced under systemwide or campus policies, including but not limited to workplace violence policies.