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ACADEMIC CALENDAR 2014-2015

Fall Semester 2014

Aug 18	Fall semester begins
Aug 18-22	Meetings, workshops, testing, advising, registration
Aug 25	Instruction begins
Sep 1	Labor Day holiday
Nov 11	Veterans Day holiday
Nov 24-28	Thanksgiving holiday
Dec 15-19	Final exams
Dec 22	Fall semester ends

Spring Semester 2015

Jan 14	Spring semester begins
Jan 14-16	Meetings, testing, advising, registration
Jan 19	Martin Luther King holiday
Jan 20	Instruction begins
Mar 16-20	Spring break
Mar 31	Cesar Chavez holiday
May 11-15	Final exams
May 16	Commencement
May 20	Spring semester and academic year ends

This calendar is tentative and subject to change. For a more detailed calendar of academic dates and deadlines, see the *Registration Guide* published each semester and found online at www.humboldt.edu/oa/oa/classes.shtml.

PHONE INDEX

For all of these numbers (unless otherwise stated), use area code 707, and exchange 826-xxxx. To write to any of these offices, address your letter to: [office name], Humboldt State University, 1 Harpst Street, Arcata, CA 95521-8299.

Academic & Career Advising Center	3341
Admissions, Office of	4402
Toll Free.....	1-866-850-9556
Visitor Center.....	6270
Arts, Humanities & Social Sciences, College of.....	4491
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Associated Students	3771
Athletics	3666
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International Center.....	4142
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Library.....	3431
Natural Resources & Sciences, College of.....	3256
Operator, University Telephone	3011
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Catalog Purchase

Online: www.humboldt.edu/bookstore
By Phone: 707-826-3741
In Person: HSU Bookstore in the University Center, 3rd Floor

SEEING IS BELIEVING

To truly get a sense of Humboldt State University, you need to come to campus and see it for yourself. Not until you have taken a campus tour, checked out our residence halls, spoken with an Admissions Counselor, sat in on a class, and met with a faculty member can you fully appreciate what sets us apart from other universities and why so many students choose to come to HSU every year!

Where are we located? What's the area like? Would we be biased if we told you that this part of California is one of the most amazing places on earth? Sure. Then again, when you visit you will see where we're coming from — spectacular beaches, vibrant cities, and one-of-a-kind natural wonders. Welcome to Humboldt County, home to the world's tallest trees — old-growth coastal Redwoods that can grow to 300 feet tall and live to be 2,000 years. Redwood National Park is just one of Humboldt County's favorite attractions. The park boasts 37 miles of pristine coastline, a mosaic of diverse habitats, a herd of Roosevelt elk, and unlimited opportunities for hiking, camping, and reconnecting with nature.

The best time to visit the campus is when school is in session. Campus visits can usually be arranged for any weekday or Saturday throughout the year. Since campus visits are tailored to meet the students' interests, when possible, please contact us a week in advance to allow enough time for us to make appropriate arrangements.

To schedule a campus visit, please contact the Office of Admissions:

Telephone: 866-850-9556 (toll-free) or 707-826-6270 (local), Monday - Friday, 8:00 A.M. – 5:00 P.M.

Email: welcome@humboldt.edu

Online: www.humboldt.edu

The Admissions staff looks forward to seeing you at Humboldt State University!



THE HUMBOLDT SPIRIT

Humboldt State University holds a special place in the hearts of thousands of alumni, students, faculty, and staff. This is a close-knit academic community where professors mentor students, and get to know them personally. We are surrounded by a stunning natural environment of rivers, pristine coastline and ancient forests, and there are vibrant small towns nearby. It all makes for an ideal place to learn and live.

There is a strong sense of belonging and shared purpose here which, over the years, has led many to refer to the “Humboldt Spirit.” For some, it is the feeling they get each time they walk on campus. For others, it is a love for the unique people and places here. For still others, it is a sense of pride in the traditions and 100-year history of our campus.

Humboldt State has always been fiercely devoted to offering students a great educational experience. Humboldt students learn by doing, as well as by studying. They thrive on countless opportunities for hands-on experiences and close personal mentoring from professors. Through scholarship and active participation, they learn to help build more sustainable societies, improve the human condition, and protect the environment. They graduate with the education and skills to live happy, fulfilling lives.



*Rollin C. Richmond
President, 2002-2014*

HUMBOLDT STATE UNIVERSITY

Our Vision

- Humboldt State University will be the campus of choice for individuals who seek above all else to improve the human condition and our environment.
- We will be the premier center for the interdisciplinary study of the environment and its natural resources.
- We will be a regional center for the arts.
- We will be renowned for social and environmental responsibility and action.
- We believe the key to our common future will be the individual citizen who acts in good conscience and engages in informed action.
- We will commit to increasing our diversity of people and perspectives.
- We will be exemplary partners with our communities, including tribal nations.
- We will be stewards of learning to make a positive difference.

Our Mission

Humboldt State University (HSU) is a comprehensive, residential campus of the California State University (CSU). We welcome students from California and the world to our campus. We offer them access to affordable, high-quality education that is responsive to the needs of a fast-changing world. We serve them by providing a wide array of programs and activities that promote understanding of social, economic, and environmental issues. We help individuals prepare to be responsible members of diverse societies.

These programs and the experience of a Humboldt State education serve as a catalyst for life-long learning and personal development. We strive to create an inclusive environment of free inquiry in which learning is the highest priority. In this environment, discovery through research, creative endeavors, and experience energize the educational process.



WELCOME TO HUMBOLDT

Professors Who Know You by Name

At Humboldt State, you won't spend four years watching your professor from the back of a massive lecture hall. You'll know your professors. You'll know your classmates. You'll be involved.

Our students graduate with a unique mix of critical thinking skills and real world experience, and it all starts with how we teach. We dedicate ourselves to mentoring students in small class sizes taught by professors who really get to know them. Students also do more than spend time in a lecture hall and take notes — they get plenty of chances to step outside the classroom and put what they are learning to use in the real world.

HSU students graduate with more than a degree. They leave HSU with the kind of experience that takes them where they want to go in life.



Hands-On Learning Not Just for Graduate Students

Imagine using state-of-the-art technology to peer into the world of quantum physics, looking for clues about the nature of gravity. That's just one of the research projects that involve undergraduate students in HSU's Department of Physics & Astronomy.

Getting undergraduates involved in research can make a big difference in their education. And typically it's the kind of work most universities reserve for graduate students. At HSU, students take part in meaningful research, working closely with dedicated and talented professors.





Learning to Create Greener Communities

Just how efficient can you make a hydrogen fuel cell? And what are the implications for transportation, home energy needs and more? For decades, Humboldt State has been a leader in answering questions like these. Our focus on alternative energy empowers students to create sustainable communities.

Under the guidance of expert faculty, Humboldt State students are engaged in research on solar, biomass, and other alternative energy sources. HSU's internationally renowned Schatz Energy Research Center has developed hydrogen fuel technology and the center's student researchers operate a hydrogen fueling station on campus. The Renewable Energy Student Union club promotes clean energy technologies, and the Humboldt Energy Independence Fund creates student-driven renewable energy projects on campus. In fact, there are literally hundreds of classes, clubs, and initiatives at Humboldt State that focus on creating a greener, more sustainable future.

Humboldt State's dedication to the community goes beyond environmental sustainability. HSU students are committed to creating a fair and just society for everyone. That's one of the reasons why students at HSU created the Graduation Pledge in 1987. The pledge has gone on to be adopted by schools all over the world.

"I pledge to explore and take into account the social and environmental consequences of any job I consider and will try to improve these aspects of any organizations for which I work."

— HSU Graduation Pledge

Learning that Goes Way Beyond the Classroom

Your education here will include a mix of creative thinking and communication skills, along with hands-on experience and career preparation. You'll be challenged by new perspectives and will get to know diverse individuals. And whatever your specific area of study, you'll learn the value of protecting our natural environment and working for positive change in society.

Hands-on experience in cutting edge facilities better prepare our students for success in exciting careers or acceptance into top graduate schools upon graduation. There's no shortage of great facilities available to undergraduate students. Here are some highlights:

Metal Casting Foundry — The largest on the West Coast

Schatz Energy Research Center — Home of the country's first hydrogen powered electric vehicle

Humboldt State Herbarium — The largest in the CSU system with nearly 100,000 specimens

Coral Sea Research Vessel — The nation's only research vessel available primarily for undergraduate research

Fire Lab — A cutting-edge forest fire research facility, one of only three in the country

Arcata Community Forest — A living 2,134-acre classroom adjacent to campus

Gravitational Research Lab — Where students explore the boundaries of physics

With 48 undergraduate majors, 69 undergraduate minors, 72 options/concentrations, 12 graduate programs, 13 credential programs, and 9 certificates of study, our wide range of academic offerings will give you the flexibility to explore your options and find the major that best fits your interests.

We also have more than 150 student clubs focused on academics, careers, culture, sports, and lifestyle.

Explore this catalog and take the opportunity to learn more about all that HSU has to offer, and don't forget to visit The Campus Community, Admission Information, and Academic Regulations sections to get a head start on a successful academic career at Humboldt State.



Accreditation

Humboldt State University is accredited by the organizations listed below. Information regarding accreditation of these programs can be found at the associated departmental offices.

- Western Association of Schools & Colleges
- Engineering Accreditation Commission of ABET
- American Association of Colleges of Nursing
- American Chemical Society (ACS)
- California Commission on Teacher Credentialing
- Commission on Applied & Clinical Sociology
- Council on Social Work Education
- National Academy of Early Childhood Programs — reporting to the National Association for the Education of Young Children (NAEYC)
- National Association of School Psychologists (SPA for NCATE)
- National Association of Schools of Art & Design (NASAD)
- National Association of Schools of Music (NASM)
- Society of American Foresters

Humboldt State 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)

What all HSU graduates should know and be able to do as a result of their HSU experience.

HSU graduates will have demonstrated:

- effective communication through written and oral modes
- critical and creative thinking skills in acquiring a broad base of knowledge and applying it to complex issues
- competence in a major area of study
- appreciation for and understanding of an expanded world perspective by engaging respectfully with a diverse range of individuals, communities, and viewpoints.

HSU graduates will be prepared to:

- succeed in their chosen careers
- take responsibility for identifying personal goals and practicing lifelong learning
- pursue social justice, promote environmental responsibility, and improve economic conditions in their workplaces and communities.

THE CALIFORNIA STATE UNIVERSITY

The California State University

Welcome to the California State University (CSU) — the largest comprehensive higher education system in the nation with 23 unique campuses serving more than 437,000 students with 44,000 employees statewide. Each year, the university awards nearly 100,000 bachelor's, master's, and doctoral degrees. CSU graduates now total nearly 3 million strong, and are serving as leaders in the industries that drive California's economy, including business, agriculture, entertainment, engineering, teaching, hospitality, and healthcare. Learn more at www.calstate.edu.

More Than 50-Year Tradition of Excellence.

Academic excellence has been achieved by the CSU through a distinguished faculty whose primary responsibility is superior teaching. 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 extensive industry partnerships and robust campus auxiliaries, the CSU is expanding programs, internships, and workforce training opportunities to ensure CSU students are ready with the critical thinking skills, industry knowledge, and hands-on experience for employment and career advancement.

Facts

- CSU faculty attract more than \$500 million annually in research and education grants, and contracts by federal, state, and regional agencies.
- 1 in every 10 employees in California is a CSU alumnus.
- The CSU awards 45 percent of the bachelor's degrees earned in California.
- More than half of all the nurses in the state earn their degrees from the CSU.
- The CSU awards 95 percent of the hospitality/tourism degrees in the state.
- Nearly half of all of the state's engineers earn their degrees from the CSU.
- The CSU is the leading provider of teacher preparation programs in the state.
- The CSU offers 105 fully online degree programs through www.calstateonline.net.

- The CSU offers 3,250 online courses to provide more educational options to students who may prefer an online format to a traditional classroom setting.
- The CSU's growing online concurrent enrollment program gives students the ability to enroll in courses offered by other campuses in the CSU system.
- The CSU serves more than 5,000 individuals annually through professional development certificate programs in educational health services, business and technology, leisure and hospitality, manufacturing, international trade, and many other industries.
- For every \$1 that the state invests in the CSU, the university generates \$5.43 for California's economy.

Governance. The system 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 systemwide educational policy. The presidents, in consultation with the Academic Senate and other campus stakeholder groups, render and implement local policy decisions.

CSU Historical Milestones. The individual California State Colleges was 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 (CSU). Today, the CSU is comprised of 23 campuses, including comprehensive and polytechnic universities and, since July 1995, the California 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 — CSU Channel Islands — opened in fall 2002, with freshmen arriving in fall 2003.

In 1963, the State Academic Senate was established to act as the official voice of CSU faculty in systemwide matters. Also, the California State College Student Presidents Association — which was later renamed the California State Students Association — was founded to represent each campus student association on issues affecting students.

Through its many decades of existence, 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.

To improve degree completion and accommodate students working full- or part-time, the educational paradigm expanded to give students the ability to complete upper division and graduate requirements through part-time, late afternoon, and evening study. The university also expanded its programs to include a variety of teaching and school service credential programs, specially designed for working professionals.

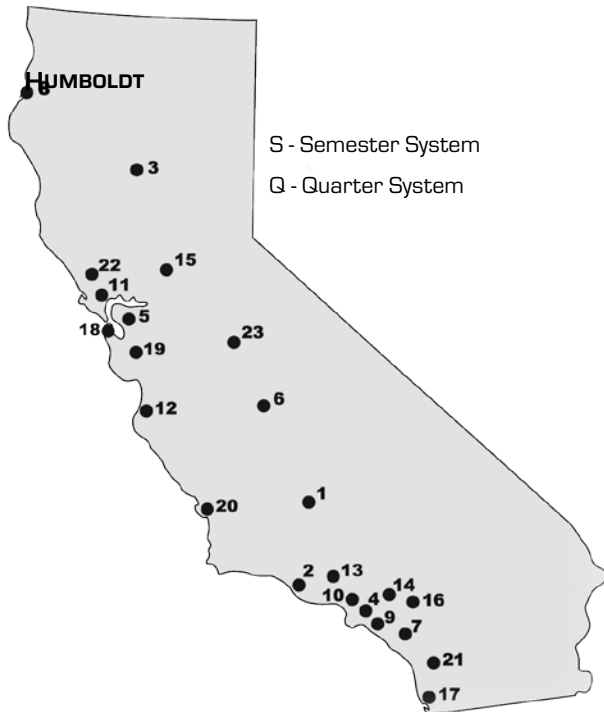
The CSU marked another significant educational milestone when it broadened its degree offerings to include doctoral degrees. The CSU independently offers educational doctorate (Ed.D.), Doctor of Physical Therapy (DPT), and Doctor of Nursing Practice (DNP) degree programs. A limited number of other doctoral degrees are offered jointly with the University of California and private institutions in California.

In 2010, in an effort to accommodate community college transfer students, the university, in concert with the California Community Colleges, launched the Associate Degree for Transfer, which guarantees transfer students admission to the CSU with junior status.

Always adapting to changes in technology and societal trends to support student learning and degree completion, the CSU initiated another milestone in 2013, when it launched Cal State Online, a systemwide collection of services that support the delivery of fully online programs from campuses. Now, full-time students also have access to fully online courses offered at other CSU campuses.

The CSU is dynamic and ever changing to ensure a quality higher education to the students of California. With 23 campuses, 437,000 students, and 44,000 faculty and staff, the CSU plays a critical role in preparing outstanding candidates for the job market. The CSU is committed to continually developing innovative programs, services, and opportunities that will give students the tools they need to meet their full potential.

Visit the California State University at www.calstate.edu. The phone number listed for each campus is for the Office of Admissions.



- 1 **CALIFORNIA STATE UNIVERSITY, BAKERSFIELD • Q**
9001 Stockdale Highway, Bakersfield, CA 93311
661-654-3036 • www.csusb.edu
- 2 **CALIFORNIA STATE UNIVERSITY, CHANNEL ISLANDS • S**
One University Drive, Camarillo, CA 93012
805-437-8500 • www.csuci.edu
- 3 **CALIFORNIA STATE UNIVERSITY, CHICO • S**
400 West First Street, Chico, CA 95929
530-898-6321 • www.csuchico.edu
- 4 **CALIFORNIA STATE UNIVERSITY, DOMINGUEZ HILLS • S**
1000 East Victoria Street, Carson, CA 90747
310-243-3645 • www.csudh.edu
- 5 **CALIFORNIA STATE UNIVERSITY, EAST BAY • Q**
25800 Carlos Bee Boulevard, Hayward, CA 94542
510-885-2784 • www.csueastbay.edu
- 6 **CALIFORNIA STATE UNIVERSITY, FRESNO • S**
5150 North Maple Avenue, Fresno, CA 93740
559-278-2261 • www.csufresno.edu
- 7 **CALIFORNIA STATE UNIVERSITY, FULLERTON • S**
800 N. State College Boulevard, Fullerton CA 92834
714-278-2300 • www.fullerton.edu
- 8 **HUMBOLDT STATE UNIVERSITY • S**
1 Harpst Street, Arcata, CA 95521
707-826-4402 • 866-850-9556 • www.humboldt.edu

- 9 **CALIFORNIA STATE UNIVERSITY, LONG BEACH • S**
1250 Bellflower Boulevard, Long Beach, CA 90840
562-985-5471 • www.csulb.edu
- 10 **CALIFORNIA STATE UNIVERSITY, LOS ANGELES • Q**
5151 State University Drive, Los Angeles, CA 90032
323-343-3901 • www.calstatela.edu
- 11 **CALIFORNIA MARITIME ACADEMY • S**
200 Maritime Academy Drive, Vallejo, CA 94590
707-654-1330 • www.csum.edu
- 12 **CALIFORNIA STATE UNIVERSITY, MONTEREY BAY • S**
100 Campus Center Drive, Seaside, CA 93955
831-582-3738 • www.csumb.edu
- 13 **CALIFORNIA STATE UNIVERSITY, NORTHRIDGE • S**
18111 Nordhoff Street, Northridge, CA 91330
818-677-3700 • www.csun.edu
- 14 **CALIFORNIA STATE POLYTECHNIC UNIVERSITY POMONA • Q**
3801 W. Temple Avenue, Pomona, CA 91768
909-869-5299 • www.csupomona.edu
- 15 **CALIFORNIA STATE UNIVERSITY, SACRAMENTO • S**
6000 J Street, Sacramento, CA 95819
916-278-7766 • www.csus.edu
- 16 **CALIFORNIA STATE UNIVERSITY, SAN BERNARDINO • Q**
5500 University Parkway, San Bernardino, CA 92407
909-537-5188 • www.csusb.edu
- 17 **SAN DIEGO STATE UNIVERSITY • S**
5500 Campanile Drive, San Diego, CA 92182
619-594-6336 • www.sdsu.edu
- 18 **SAN FRANCISCO STATE UNIVERSITY • S**
1600 Holloway Avenue, San Francisco, CA 94132
415-338-1113 • www.sfsu.edu
- 19 **SAN JOSÉ STATE UNIVERSITY • S**
One Washington Square, San José, CA 95192
408-283-7500 • www.sjsu.edu
- 20 **CALIFORNIA POLYTECHNIC STATE UNIVERSITY, SAN LUIS OBISPO • Q**
One Grand Avenue, San Luis Obispo, CA 93407
805-756-2311 • www.calpoly.edu
- 21 **CALIFORNIA STATE UNIVERSITY, SAN MARCOS • S**
333 S. Twin Oaks Valley Road, San Marcos, CA 92096
760-750-4848 • www.csusm.edu
- 22 **SONOMA STATE UNIVERSITY • S**
1801 East Cotati Avenue, Rohnert Park, CA 94928
707-664-2778 • www.sonoma.edu
- 23 **CALIFORNIA STATE UNIVERSITY, STANISLAUS • S**
One University Circle, Turlock, CA 95382
209-667-3070 • www.csustan.edu

THE CAMPUS COMMUNITY

Academic Support Services

Academic Advising. At Humboldt State, academic advisors play a vital role in a student's education. All new matriculated students are assigned an academic advisor during the first two weeks of classes, and are notified of the assignment via email. With a few exceptions, the advisor is a faculty member in the student's major. Undeclared undergraduate and unclassified post-baccalaureate students have advisors assigned from the Academic & Career Advising Center until they have declared a major. Students participating in the Educational Opportunity Program (EOP) have an EOP advisor assigned for their first academic year in addition to their academic advisor.

All continuing students must meet with their academic advisor before they register to get advice on their academic progress and to discuss schedule plans for the coming term. Students with questions about prerequisites or the best way of sequencing major courses, with concerns about career or graduate school choices, or with other issues involving their academic progress are encouraged to visit their advisor at any time during the academic year. Undergraduates who have reached junior standing should meet with their advisor to initiate a major contract in preparation for applying for graduation, and to discuss plans for their final terms of enrollment. For application for graduation guidelines, see the *Registration Guide* at www.humboldt.edu/oa/classes.shtml.

Pre-professional advising for admission to health science professional schools (including medical, dental, veterinary, optometry, and pharmacy) is available from designated faculty in our Biological Sciences and Chemistry departments. Please refer to the "Pre-Professional Health Programs" on the Preparatory Courses of Study page of this catalog. **Pre-law** advising is also available. For details, visit the pre-law advising website at www.humboldt.edu/prelaw.

Academic & Career Advising Center (ACAC). The ACAC is a newly formed center that unifies the functions of both academic and career advising to provide holistic and comprehensive guidance to students concerning career aspirations and academic achievement goals. Services include individualized or group work with advisors concerning course selection, major exploration, career possibilities, class schedule building,

understanding graduation requirements (including general education), and mapping out coursework at HSU in order to graduate on time. The ACAC also offers individual and group attention for students on various career-oriented topics including acquiring jobs and internships, writing résumés and cover letters, interviewing tips, career guidance, and applying to graduate school.

The ACAC is where academic advising is housed for **undeclared students** as well. Advisors work with students who want to explore career and academic majors. Once students have declared a major, they are assigned an advisor in their appropriate academic departments.

The ACAC is located in Gist Hall 114.

www.humboldt.edu/advise
advise@humboldt.edu
707-826-3341

www.humboldt.edu/career
www.facebook.com/HumboldtCareerCenter
career@humboldt.edu
707-826-3341

Career Development. The ACAC advisors help students, both one-on-one and in workshops, learn about themselves, learn about jobs, make career choices, and plan strategies to meet their goals.

Job Search Services. The ACAC helps students find part-time, summer, temporary, workstudy, or full-time work. Jobs are posted on Springboard at www.humboldt.edu/career, the center's online job board. Students can also sign up monthly on skills lists for temporary short-term jobs in the community. Employers from business, industry, government, and education visit campus to interview candidates as well as attend the annual Career Expo and Volunteer Fair.

Internships & Career-Related Experience. All students are encouraged to gain experience in their desired career fields while earning money or academic credit. Positions are offered throughout the school year and during the summer. The Internship Peer Advisor (IPA) student staff regularly offers workshops and one-on-one appointments to assist their peers in attaining internships.

Career Resources Room. Here students will find:

- A computer lab for developing résumés and cover letters, electronic job searches, locating occupational information, and researching employers;

- Occupational and career materials for a range of majors, as well as information about the employment outlook and trends in the labor market;
- Directories and other guides to help students as they research career options, graduate/professional schools, and seek jobs and internships.

Office of the Registrar. Students can find information and assistance at the Office of the Registrar. Staff provide help with registration, enrollment verification, applications for graduation, transcript request forms, petition information, and clarification on academic regulations and deadlines. After students have filed an application for graduation, they can make appointments for a degree audit or graduation review with a Transfer & Graduation Counselor by contacting the Office of the Registrar, SBS 133; phone 707-826-4101; email records@humboldt.edu; website www.humboldt.edu/registrar.

Student Support Services. Student Support Services assist those from low-income families who need academic support to complete their education. Priority goes to students whose parents do not have a college degree.

These services, tailored to the needs of the individual, include academic and personal counseling, tutorial help, study skills programs, and assistance with English, mathematics, spelling, and reading. Students may enroll in developmental classes in English grammar and composition, arithmetic, elementary algebra, reading improvement, and vocabulary development.

The U.S. Department of Education funds the program. Call 707-826-4781 or drop by Hadley House 56.

Alumni Activities

The Humboldt Alumni office and the Alumni Association sponsor activities to help alumni stay connected to fellow alumni and the university. Through the identification of common interests, both local and regional events are organized and promoted. Other programs include: a comprehensive member discount program, an online Career Network (for both students and alumni), an Alumni Scholarship Endowment supporting student scholarships, and stewardship of the Distinguished Alumni Awards (honoring accomplished alumni across the country for over 50 years). For information, call 707-826-3132 or visit alumni.humboldt.edu.

Upon graduation, your name, address, phone number, major, and class year are uploaded into Humboldt State's Office of Development and Alumni Relations database, with the goal of keeping alumni connected and engaged with the university. If you do not wish to have this information used, please go to the alumni website Privacy Policy Page for opt-out options.

Art Galleries

The Reese Bullen Gallery and Goudi'ni Gallery located on campus, and First Street Gallery in Old Town Eureka, bring major exhibitions to the university community and serve as exhibition spaces for national, regional, and local artists. Our students regularly exhibit in three on-campus student galleries, all over campus in our annual Sculpture Walk, and in the Reese Bullen Gallery each spring for our annual Student Exhibition.

Athletics (also see Recreation)

Students participate in a wide range of sports through intercollegiate athletics and student clubs. Club sports include, among others, rugby, crew, and lacrosse.

Humboldt's intercollegiate teams have produced many championships over the years. Five men's and seven women's teams compete at the Division II level of the National Collegiate Athletic Association (NCAA). Men's sports include football, soccer, basketball, cross country, and track and field. Women's sports include soccer, volleyball, cross country, basketball, softball, track and field, and rowing.

Humboldt State University is committed to providing equal opportunities to men and women students in all campus programs, including intercollegiate athletics. Information concerning athletic opportunities available to male and female students and the financial resources and personnel Humboldt dedicates to its men's and women's teams may be obtained from the Athletics Office in the Kinesiology & Athletics Building (707-826-3666) or visit our website at www.hsujacks.com.

Facilities. Humboldt State has a modern physical education complex with areas for basketball, volleyball, wrestling, dance, yoga, fencing, and archery. Humboldt also offers soccer, softball, and football fields, and a swimming pool. An indoor climbing wall and a modern weight-training facility are housed in the newly-renovated fieldhouse, which also contains a large artificial turf field used for classes, intramural sports, and as an indoor practice facility.

Bookstore

The Bookstore, conveniently located on the University Center's third floor, carries all textbooks and course materials required by HSU students, and in addition offers many cost saving measures such as the Rent-A-Text program and CafeScribe e-books.

The Bookstore also stocks a varied selection of general books — including local interest and campus authors — HSU imprinted and non-imprinted clothing, gift and athletic items, computer hardware and software, lab, school, and art supplies, as well as food, beverage, and sundry items.

The Bookstore operates a full-service post office, has a fax service, and is an authorized Apple Campus Sales Center, providing current HSU students, faculty, and staff with academically priced Apple merchandise.

Please visit www.humboldt.edu/bookstore for more information.

Centers for Academic Excellence

The Centers for Academic Excellence include the Native American Center for Academic Excellence, the African-American Center for Academic Excellence, the Latino/Latina Center for Academic Excellence, and the Asian American/Pacific Islander Center for Academic Excellence (CAE). The Centers for Academic Excellence are committed to supporting HSU students by providing facilities, activities, events, and opportunities designed to support retention and inclusive academic excellence for all HSU students

The Centers offer the following:

- Culturally relevant advising
- Academic support and mentoring
- Academic enrichment activities
- Opportunities for engagement and leadership development

For more information, or to schedule an appointment, see RISS at www.humboldt.edu/riss or call 707-826-4585.

The **Center for Academic Excellence in STEM** (Science, Technology, Engineering, and Mathematics) at Humboldt State University is an initiative aimed at strengthening the quality of STEM education and research, increasing the number of underrepresented students graduating in STEM undergraduate disciplines and encouraging matriculation to STEM graduate programs to meet local, state, national and international workforce needs, building the university's capacity to advance and broaden knowledge in STEM disciplines, and enhancing the broader impact of STEM education and research.

Center for International Programs

The Center for International Programs (CIP) is home to international services for both domestic and international students. The CIP promotes the intellectual and cultural diversity that participation in international experiences brings to the university community. Located in the Feuerwerker House, the CIP leads Humboldt State University's efforts in recruiting international students and supporting them throughout their career at HSU by providing them with immigration orientation, advising, advocacy, and programming support. The CIP also provides assistance and services to all HSU students interested in studying abroad.

Additional CIP services include an intensive English as a second language program, the **International English Language Institute** (IELI). IELI helps non-native English learners develop the knowledge and language skills necessary to achieve their academic goals. IELI offers instruction in English for Academic Purposes in all core skill areas: grammar, writing, reading, listening, and speaking.

For more information regarding our programs, please call the Center for International Programs at 707-826-4142, see our website at www.humboldt.edu/international, or email us at international@humboldt.edu.

Center for Service Learning & Academic Internships (also see Community Service)

The Center for Service Learning & Academic Internships, located in Gist Hall 122, coordinates efforts to incorporate service learning into the curriculum at HSU, as well as supports faculty and departments offering students academic internship experiences. These are "applied learning" opportunities promoting experiential learning experiences where students engage directly with the academic content of their courses while serving at businesses, non-profit organizations, and/or public entities.

Service learning is more than just community service: it is a specific pedagogy-teaching strategy that unites formal academic coursework with high quality service that answers a community-identified need. The partnerships built between the community, students, and faculty are reciprocal, meaning shared responsibility and gain. This process of experiential learning and community building includes: academic coursework, directed service, and guided reflection that taken together deepen the experience and learning for all partners.

Academic internships are courses taken for academic credit and provide students with the ability to have direct experiences with community partners that tie directly to their area of study and major. An academic internship formally integrates the student's academic study with practical experience in a cooperating organization.

The Center for Service Learning & Academic Internships also manages three integrated programs: the Service Learning Faculty Development Program, the Service Learning Community Partner Program, and the Service Learning Student Internship Program. Additionally, hosting a range of activities across the "continuums of service" at HSU, from organizing two annual food drives for the local community, to coordinating monthly community service volunteer events to facilitating classroom presentations. The Center also hosts the campus-wide annual "HSU Day of Caring," mobilizing students, staff, faculty, administration, and community members in a half-day of community service at many local community sites. It is an inspiring event of community connections often leading to deeper levels of community involvement for students.

For more information, visit the Center at Gist Hall 122, call 707-826-4963, or visit www.humboldt.edu/cslai.

Child Care

The **Children's Center** provides a care and education program for toddlers and preschool children. Priority is given to university students' children. Children of university staff members are welcomed on a space-available basis. Fees are based on parental income. Call 707-826-3838 or drop by Jensen House 94.

The **Child Development Laboratory** offers an educational program for preschool children of students, staff, and community residents. Child development majors (and others) observe the children and serve as student teachers. Call 707-826-3475 or visit www.humboldt.edu/cdblog.

Clubs & Organizations

Over 150 clubs and organizations allow students to pursue a variety of activities. The average Humboldt student is involved in two or more. For a complete listing and further information, go to www.humboldt.edu/clubs or call the Clubs Office in the University Center at 707-826-3776. For recreation/sport clubs, go to www.humboldt.edu/recsports or call 707-826-6011.

Community Service (also see Center for Service Learning & Academic Internships)

Humboldt State University has a long history and tradition of students engaged in community service and service learning experiences. A variety of programs offer students opportunities for direct community involvement, such as Youth Educational Services, HSU's Annual "Day of Caring" event, clubs and organizations, as well as academic service learning courses. These experiences provide hands-on opportunities for students to help prepare for citizenship as well as providing opportunities for career related experiences.

Youth Educational Services (YES) offers leadership and volunteer opportunities through student-directed programs addressing social issues and under-met needs in the community. These programs serve children, youth, seniors, isolated cultural communities, homeless families, and the environment.

YES trains students to become community advocates and organizers, giving them the knowledge, skills, and service learning experience to participate in their community with positive effects.

YES can offer practical experience which:

- Complements classroom learning;
- Offers an avenue for leadership;
- Gives the chance to initiate a community-based project;
- Fosters respect for human diversity;
- Provides an opportunity to volunteer in a career field;
- Offers management experience helpful in a job search following graduation.

Volunteers serve an average of four hours each week. For information, visit Youth Educational Services, Hagopian House 91, call 707-826-4965, or visit www.humboldt.edu/yes.

Computers (see Resources for Research)

Counseling & Psychological Services (CAPS)

Counseling services are available for regularly enrolled HSU students, international (IELI) students, and under certain circumstances (e.g. for couples therapy), the non-student partner/spouse of an HSU student. For an initial ("first-time") appointment, students can simply schedule a "same day" assessment appointment by phone or in person.

These initial meetings are scheduled on a "first-come, first-served" basis, so contacting CAPS shortly after they open (8:00 - 9:00 A.M.) is the best way to assure a same-day slot. These 30 minute sessions may lead to further counseling at CAPS, participation in a CAPS therapy or support group, and/or to on- and/or off-campus referrals.

For emergencies (such as having the intent to commit suicide, to act violently toward someone else, or having recently experienced a trauma), CAPS has an on-call therapist available at all times (24/7). For immediate assistance (emotional support, emergency help) when the CAPS office is closed (e.g. evenings and weekends), students can reach a CAPS counselor by phone (707-826-3236). For mental health emergencies, students can also opt to call the crisis line of Humboldt County Mental Health at 707-445-7715. For police assistance in an emergency, students should call 911.

CAPS services include:

- Emergency intervention and urgent care;
- Individual, couples, and group therapy;
- Psychoeducational workshops;
- Consultation;
- Assessment and referral.

For regularly enrolled and IELI students, CAPS services are paid for by the mandatory health and counseling fee. There is a \$20 fee for missed appointments and late cancellations. The non-student half of a couple (seeking couples therapy) will be charged \$30/session. Counseling services are confidential. Call 707-826-3236 or come to the office (Student Health, Wellness & Counseling Center, Room 205, second floor) during open hours (9:00 A.M. - 4:30 P.M.). Bring your student ID card. For additional information and resources (including anonymous mental health screenings, self-help material, resources, recommendations, community referrals, etc.), visit our website at www.humboldt.edu/counseling.

Dining Services

Dining services at Humboldt offer students, faculty, and staff a number of options to satisfy their dining needs. For more in depth information, please see www.humboldt.edu/dining.

The **Jolly Giant Dining Commons ("the J")** serves as the main dining facility for students living in the residence halls. Service is cafeteria style for breakfast, lunch, and dinner from Monday through Friday, and brunch and dinner on weekends. Special efforts are made to meet diverse student

needs: vegetarian and vegan entrées at every meal, a build-your-own salad bar, fresh fruit, desserts, and a variety of snack items.

In addition to the J, **The Giant's Cupboard**, a convenience store located in the Jolly Giant Commons, is open seven days a week. The Cupboard offers numerous beverages and snack items, frozen foods, sandwiches, and food staples.

The Depot, a food court setting, serves the main campus as well as resident students. The Depot offers made-to-order sandwiches, a Mexican burrito bar, salad bar, pizza, assorted bottled and fountain beverages, burgers, fresh soups, espresso, and specialty coffees. Several local products are featured at The Depot.

Windows Café offers full table service and is open Monday through Friday at lunchtime. The menu highlights local and seasonal ingredients.

College Creek Marketplace is a mini grocery store located at the corner of Harpst and Rossow Streets. College Creek Marketplace offers pizzas, broasted chicken, made to order sandwiches, salad and fruit bar, snacks, coffee, espresso, and other beverages, as well as school and test supplies for students.

The **Hilltop Marketplace** is a convenience store located next to the Behavioral & Social Sciences Building and offers a variety of beverages and snacks. Please stop in and see the view out our window!

The **Library Café**, part of HSU's Learning Commons, provides a modern café setting for those studying in the library. The café serves hot beverages (including tea, coffee, and espresso), fresh snacks, salads, and sandwiches. The relaxed atmosphere includes a variety of seating options — from sofas to stools — where students can relax, study, recharge their cell phones or laptops, and enjoy wireless Internet access.

Meal Plans. Students living on campus (with the exception of Creekview, Campus Apartments, and College Creek) are required to purchase a meal plan. Three options provide flexibility to accommodate individual needs. All plans are à la carte, which means students pay only for what they eat. Purchases are electronically deducted from a student's account when using a student ID card.

Each meal plan contains a different amount of meal points that can be used at any of our campus dining operations. This provides students maximum flexibility with their meal plans. Students living off campus may also purchase meal plans.

For answers to questions about any of the dining services locations or meal plans, call 707-826-3451 or email director Ron Rudebock, rlr4@humboldt.edu; or visit our website at www.humboldt.edu/dining.

Disability Resource Center, Student (SDRC)

The **Student Disability Resource Center (SDRC)** provides service, support, and resources for students with disabilities to maximize educational opportunities at Humboldt State University. We serve both permanent and temporary disabilities and can offer a variety of reasonable accommodations and academic adjustments to meet the access needs of qualified individuals. To learn more about our program and to see if you may be eligible for reasonable modifications, please contact the Student Disability Resource Center located in the Learning Commons, Lower Library, or call us at 707-826-4678, 707-826-5392 (TDD), 707-826-5397 (FAX). Our website is www.humboldt.edu/disability.

Dormitories (see Housing)

Exchange Programs

You may be eligible for financial aid while participating in an approved exchange program. Arrangements must be made with the Financial Aid Office prior to departure.

National Student Exchange. HSU no longer participates in the National Student Exchange program. We will no longer recruit and place HSU students at other campuses, nor will we accept students from other campuses through this program.

Intrasystem Enrollment Programs. See Admission Information section.

Study Abroad Programs & California State University International Programs. See "Study Abroad Programs."

eLearning & Extended Education

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 eLearning

and Extended Education (Student & Business Services Building, Room 211.)

Humboldt's undergraduate programs accept up to 24 units; graduate programs up to nine units. Open University is not available to matriculated students (those officially admitted to and eligible to register at HSU during the current semester or the previous two semesters). Also, regularly enrolled students who are academically disqualified from HSU are not eligible to enroll in coursework through eLearning and Extended Education for the academic year.

The **College of eLearning and Extended Education** offers (with no admission requirements) courses and programs for professional and personal development, for meeting professional licensing requirements, or for maintaining health and physical conditioning. Some Extension courses are available for optional academic credit, others are offered on a non-credit basis. Most courses are taught live, but some are available online.

Courses range from teacher skill enhancement to organic gardening, from music to foreign languages. Register and pay fees at the College of eLearning and Extended Education, Student & Business Services Building. For the coming semester's *Extension Bulletin*, call 707-826-3731.

Financial Aid (see Fees & Financial Aid)

Government, Student

Associated Students (AS). A student who pays the student body fee is a voting member of the Associated Students and is eligible to hold office in student government, serve on university committees, participate in club activities, and receive student discounts.

Students are represented by the Associated Students Council (ASC). Its members include three representatives from each of Humboldt's three colleges, two at-large representatives, and a graduate student representative. Terms are for one year. Each spring, students elect the 12 representatives, a president, and three vice presidents. The ASC is committed to "furthering the educational, social, and cultural interests of Humboldt students, as well as ensuring the protection of student rights and interests."

One chief ASC responsibility is administering the annual budget, derived from student fees. More than 20 programs receive funds from the Associated Students, including the Campus Center for Appropriate Technology, the Marching Lumberjacks, the Children's

Center, club support, drop-in recreation, and the MultiCultural Center. ASC also provides travel funds and grants to recognized clubs for on-campus events.

The ASC meets regularly in open session. To become involved, drop by the Associated Students Office in the South Lounge of the University Center, call 707-826-4221, or visit us on the web at www.humboldt.edu/associatedstudents.

Serving on Committees. Thirty-nine university committees have students as voting members. To serve on a committee, contact the AS office early in the academic year. The *Committee Handbook*, published by the AS, lists committee openings.

Health Services

The **Student Health Center** is an accredited outpatient clinic staffed by physicians, nurse practitioners, and other health professionals who provide basic health care services to currently enrolled students.

Services available include:

1. Diagnosis and treatment of acute illness and injuries;
2. Reproductive health services;
3. Immunizations (additional fee may be required);
4. Health education;
5. Pharmacy, laboratory, and X-ray (additional fee may be required);
6. Limited elective services, such as psychiatric consultation, physical examinations for employment on campus (additional fee may be required);
7. Referral to outside medical specialists and facilities for complex and chronic health problems;
8. Fonemed, an answering service for after-hours medical advice (877-256-3534).

Services not available include: dental and vision care and long-term care of chronic illnesses and conditions (such as psychiatric care).

The Health Center *strongly recommends* that students have supplemental **health insurance** for services beyond the scope of the Health Center, such as emergency room care, ambulance service, hospitalization, and outside specialist care. A student insurance plan is available through the Associated Students Business Office (707-826-3771). Students who do have insurance are advised to check with their carriers to determine the coverage of their plan while they are at HSU.

Immunizations. Measles and rubella (MR, MMR) and hepatitis B immunizations are available for a charge to eligible students who are required to have these immunizations as a condition of enrollment (see "Immunizations & Health Screening" in the Admission Information section).

Emergency. In case of emergency when the Health Center is closed, there is a hospital approximately two miles north of campus with a 24-hour emergency room. Call 911 for emergency services.

Chronic Conditions. Students with chronic physical or psychiatric conditions, such as ADHD, are strongly advised to obtain local care (if necessary) prior to coming to campus, as these services are limited in the community and not available on campus.

Housing

On-Campus Housing. Humboldt State University is a residential campus. Most Humboldt students come from long distances, and many reside on campus their first and second years.

Life on campus is much more than studying, eating, and sleeping. The residence halls offer a place to live and learn, make lifelong friendships, and experience community living. Students get involved in social and educational programs, serve in leadership positions with the residence hall student government, and participate in special living communities.

The benefits of living on campus are numerous. Studies show that students living in residence halls get better grades, are more active in academic activities, and have a higher graduation rate than the general university population. Another benefit is convenience. Campus residents don't have to spend time shopping, preparing meals, or commuting to school, and they are close to resources such as the library, recreational facilities, and classrooms. Living on campus is a great way for students to begin their academic careers.

Humboldt's facilities, located in a spectacular natural setting, consist of six different residence hall living areas. Each is unique and provides various options for individual styles and personal preferences. All rooms are equipped with computer connectivity and each student may connect to the Internet via the campus's computer network or wireless access.

Redwood and Sunset Halls, known as "The Hill," are traditional residence halls. Each of the three-story buildings houses 225 students in double, single, and triple rooms.

The **Canyon** consists of eight separate buildings, each three stories and home to about

50 students. There are doubles, singles, triples, and four-person suites.

Cypress Hall is a series of suites built up the slope of a hillside. Each suite houses 7-12 people in double and single rooms and has a common bathroom, living room, and small kitchen.

Creekview Apartments consist of four three-story buildings, each home to 12 apartments. Each apartment houses 5-6 students in double and single rooms and has a kitchen, living room, and bathroom.

The **Campus Apartments** are home to 220 students in a four-level complex. Each apartment has two rooms with private entrances that share an adjoining kitchen. Rooms house either one or two residents and have private bathrooms.

College Creek includes a community center and convenience store, lounge, and four apartment buildings housing 430 students. Four to six students live in each apartment in double or single rooms with two bathrooms, kitchen, and living room.

Each residence hall room comes equipped with a bed, mattress pad, desk, chair, dresser, carpet, wastebasket, recycling container, and window covering. Each room is wired for telephone service, which may be arranged with AT&T. Small refrigerators and microwave/refrigerator units are available for rent during the academic year. Students must provide their own linens, towels, pillow, blankets, study lamps, and personal items.

Students living in the residence halls (with the exceptions of Creekview, Campus Apartments, and College Creek) are required to purchase a meal plan (see "Dining Services").

What does it all cost? Rates will be finalized and posted online in February. Information on current rates can be found online at www.humboldt.edu/housing/future/rates.php.

Applying for on-campus housing is easy! The housing application process begins the first week of March for the upcoming academic year. It begins in late October for the spring semester only. Housing will send an email to all admitted students when the online application is available. More information on the housing application process is available online at www.humboldt.edu/housing/apply. For additional information contact Housing, 355 Granite Ave., Arcata CA 95521, call 707-826-3451, or email housing@humboldt.edu.

Off-Campus Housing. Most off-campus students live in Arcata. Housing provides information and links to online listings of available local housing at www.humboldt.edu/housing/offcampus.

Indian Tribal & Educational Personnel Program and Cultural Resource Center

The Indian Tribal & Educational Personnel Program (ITEPP) and the Cultural Resource Center (CRC) are the anchor programs of the Native American Center for Academic Excellence. ITEPP is the primary support program for HSU's American Indian students. ITEPP provides specialized academic and career advising, professional and peer mentoring, a dedicated computer lab, and tutoring services in a culturally appropriate homelike environment for students across colleges and majors. The CRC is a multi-media collection of materials on, about, or authored by Native American peoples. This is a public lending library. For more information on ITEPP and the CRC, please see page 152.

International Study (see Study Abroad Programs)

Intramural Sports

Humboldt State's intramural sports program provides recreational leagues and activities Monday through Thursday evenings and Sunday afternoons on the HSU campus. The goal of our program is to provide a wide variety of leagues and activities to suit the skill levels of all university students. Participation in the program allows students to meet new people, learn new sports, test one's physical ability, and just have fun. Sports include softball, flag football, volleyball, basketball, and soccer. Special events include disc golf, softball, and badminton tournaments. We also provide drop-in activities (sponsored by Associated Students) such as lap swimming, badminton, soccer, volleyball, and basketball. All intramural activities are free for full-time HSU students (faculty and staff pay a fee). For more information, please call 707-826-6011.

Learning Center

The Learning Center, located in the Lower Library, offers comprehensive skill development and tutoring services to support student success in the classroom. Services include a tutorial program, a writing center, a math tutoring lab, science tutoring lab hours, and supplemental instruction. Staff also provides support for study and organizational skills, such as time management, note taking, test preparation, and college reading. Our main office hours are Monday - Friday, 9:00 A.M. - 5:00 P.M.; some of our programs have evening and weekend hours as well. For more information, call 707-826-5217 or visit www.humboldt.edu/learning.

The **Tutorial Program** provides free small-group tutoring for many lower division courses. One-to-one tutoring is also offered for a small fee. Students can apply for tutoring at the Library Commons reception desk, Lower Library. Tutors are recommended by faculty and must have earned an A or B in target courses. The program also offers nationally recognized tutor certification for peer tutors.

The **Writing Center**, located in Library 32, offers free peer assistance with writing assignments and standardized writing examination preparation. Writing consultants are available to assist with various types of writing, including technical writing and using MLA and APA style guides. Appointments are recommended, but drop-ins are welcome as staffing allows. Contact the Learning Center, 707-826-5217, to make an appointment or for more information.

The **Math Tutoring Lab**, located in Library 208, is a walk-in tutorial service where students can receive assistance with mathematical problem solving free-of-charge. Contact the Learning Center, 707-826-5217, or visit the Learning Center website for current schedule and a list of math courses for which tutoring is available.

Science Tutoring Lab hours are designated times during the week that students can drop-in the Learning Lab, Library 55, for lower division science tutoring. Check the Learning Center website for a current schedule.

Supplemental Instruction (SI) provides specialized peer support for students in rigorous entry-level and core science courses from several departments in the College of Natural Resources and Science. Weekly sessions are designed to help students develop course-specific academic and study skills while reviewing course content. The class times and locations are announced the first week during target science course meetings. To participate, students register for the SI course at the start of the term with a permission number given out by the SI Leader. For more information, contact the Learning Center, 707-826-5217, or visit the Learning Center website.

MultiCultural Center

The MultiCultural Center (MCC) is a student-centered program that honors and celebrates the diversity of people. It is a dynamic learning community where students, faculty, staff, and community members are empowered to cross boundaries, challenge the status quo, break through stereotypes, and work for social justice.

Often referred to as a "home away from home," the MCC is located on the south side

of the Library in the historic Balabanis family home (House 55). The MCC is a welcoming and safe place where students can find opportunities to:

- Explore identity and history;
- Experience cultures and traditions;
- Build community and network;
- Express feelings and ideas; and
- Empower and educate each other to work for social justice.

For more information, call 707-826-3369 or visit our website www.humboldt.edu/multicultural.

Music

The Music Department presents active and varied seasons of concerts and recitals. Performance groups include the Humboldt Symphony, Symphonic Band, Jazz Orchestra, Humboldt Chorale, University Singers, Madrigal Choir, Mad River Transit (vocal jazz), Opera Workshop, Percussion Ensemble, Calypso Band, Humboldt Bay Brass Band, and Jazz Combos. Audiences also enjoy student recitals and a faculty artist concert series.

Natural History Museum

The HSU Natural History Museum is a learning laboratory for students interested in any of the many facets of museum work. Located three blocks from campus at 1242 G Street, the museum houses a magnificent fossil collection and regional natural history displays. The fossil exhibits cover the Precambrian period to the Present.

The regional natural history exhibits include Redwood Forest ecology, native bees, biodiversity, rocks and minerals, insects, and marine life. Many hands-on exhibits make the museum a popular destination for all ages. The museum also houses the Museum Store, which carries many nature-related books and gifts.

Humboldt State students from majors including biology, geology, wildlife, anthropology, elementary education, environmental management and protection, art, journalism, and business, gain experience at the museum. They are involved through volunteering, internships, teaching youth programs, special projects for course credit, and artwork for publications and exhibits among other jobs. Many HSU students are trained as education interns to lead programs for visiting school groups.

Humboldt opened the Natural History Museum in 1989 thanks to a generous gift by Wells Fargo Bank. The museum and its store are open to the public

Tuesday through Saturday, 10:00 A.M. to 5:00 P.M. Visit the museum website at www.humboldt.edu/natmus to see museum news and upcoming activities and events.

Ombudsperson

If there's a problem a student can't work out with an instructor or staff member, the ombudsperson serves as an impartial mediator to settle disputes. Students should try to resolve conflicts by talking with the instructor (or staff member) and then, if necessary, discussing the problem with the department chair or college dean.

If a problem remains unresolved, the student may contact the ombudsperson. Advisors or department heads provide the name and phone number of the ombudsperson. Students may also contact the Student Rights & Responsibilities office or the Dean of Students.

Orientation

The Humboldt Orientation Program (HOP) is a required, on-campus program for all new students. HOP welcomes students to the campus and surrounding community and provides a strong foundation for a successful experience at HSU. Orientation is offered prior to the start of the fall and spring semesters and is available in an online format for eligible transfer students.

During HOP, new students work together in small groups led by peer counselors in order to become more familiar with the campus, its resources, and each other. Peer group sessions orient new students to academic regulations, degree requirements, and to the registration process. Students also meet with faculty and staff who assist them with academic advising and schedule planning.

Families of new students are encouraged to attend the HSU family and guest orientation which offers support to families during students' transition to college. Campus tours, receptions with HSU representatives, and special workshops are available to those who choose to register.

Detailed HOP information is sent to all admitted applicants. Further questions may be directed to the HOP office at 707-826-3510, or online at www.humboldt.edu/orientation.

Parking

Many students, living on campus or off, get around without a car. Because parking is at a premium, commuting to campus is often easier for those who walk, bicycle, or ride the bus.

Except for parking meters, campus parking requires a permit, purchased by the semes-

ter or the day. See "Fees at Humboldt State University" for dollar amounts.

Visitors may obtain a parking permit from the drive-up window service at the Parking Booth located on the north end of Rossow Street. Parking permit dispensers are also located in the parking lots at Harpst and Rossow Streets, 14th and Union Streets, JGC lot, and 17th and Union Streets. One additional permit dispenser is located in the Library parking lot but doesn't begin operating until 4:45 P.M., as this is a "Staff Only" lot until 5:00 P.M. Semester-long parking permits for motorcycles and mopeds are only one quarter of the cost of automobile permits.

Performing Arts (also see Art, Music, or Theatre, Film, and Dance)

CenterArts/University Ticket Office, Humboldt State's performing arts presenter, is hailed as the region's most exciting arts organization. People on the North Coast can fill their nights with the inspiration and excitement of live music, theatre, and dance.

High quality professional performances by nationally-recognized artists encompass the classical, the traditional, the contemporary, and the experimental. World-class entertainers such as Eddie Izzard, Willie Nelson, Brandi Carlile, Ziggy Marley, Mike Birbiglia, and Stomp have performed and given workshops for students and the public. Students receive discounted tickets, opportunities to meet the performers, and the rare experience of enjoying urban arts experiences in a rural setting.

CenterArts (www.humboldt.edu/centerarts) publishes an annual brochure describing the season's selection of art events. Newsletters and calendars are mailed throughout the year. To join the mailing list, call 707-826-4411.

The **University Ticket Office**, located in the University Center, provides ticketing services for all CenterArts and HSU Music and Theatre, Film & Dance Department productions. The University Ticket Office also provides copy services. Call 707-826-3928 for more information.

Community Events. Humboldt County is rich in cultural activity, with performances and exhibits throughout the county each month. The Dell'Arte Players, an international touring company, is based in nearby Blue Lake. Community actors have established theatre companies in Arcata, Eureka, and Ferndale. Local musicians play to fans of classical, rock, jazz, and folk music, while art exhibits, craft fairs, and cultural festivals abound year round.

Police, University

Humboldt State's University Police strive to maintain a safe and secure environment for the Humboldt State community 24 hours a day, 365 days a year.

The professionally trained staff protects life and property. They oversee crime prevention, multihazard emergency planning, general security, and parking administration and enforcement. Their duties also include criminal and traffic investigation, law enforcement, escorts of valuables and equipment, reporting of safety hazards, assistance to motorists, and assistance to other law enforcement and social service agencies.

Crimes and incidents posing threats to the campus community are communicated by way of electronic messaging and web-based communication, crime alert bulletins posted throughout campus, the campus newspaper, the campus radio station, newsletters, and through appropriate meetings. The Crime Awareness and Campus Security Act of 1990 established a minimum standard for disclosure of crime statistics, found in the Student Rights, Responsibilities & The Fine Print section of this catalog.

Publications

The award-winning student newspaper, *The Lumberjack*, is published weekly by students. Students in any major may learn journalism, editing, photography, layout/design, and advertising by working on the paper. *The Lumberjack* also publishes an online edition each week. University credit is offered along with practical experience.

The Lumberjack has won more than two dozen California Newspaper Publishers' Association awards in the past 20 years, including being named best college newspaper in the state six times. It has also won several Society of Professional Journalists awards.

Osprey magazine, published each semester by students in journalism, includes feature-length articles on various subjects and color or black-and-white photography.

English students annually publish *Toyon*, a high-quality book of the poetry and prose of student and community writers. It includes occasional photos and drawings plus the winner and other entries in annual short story and poetry contests.

Campus achievements, alumni updates, and more are featured in the award-winning *Humboldt* magazine, published twice each year by University Advancement. It is mailed to alumni, students, faculty, and staff.

Center Activities Magazine, printed every semester, is a comprehensive catalog of recreation and leisure programs offered through Center Activities. For a free copy, call 707-826-3357.

The *Humboldt Journal of Social Relations* (HJSR) is a peer reviewed free online journal published and housed since 1973 in the Department of Sociology at Humboldt State University. This internationally recognized journal produces one annual themed spring edition focused around current issues and topics. While the articles primarily draw authors from the social sciences, the journal has also facilitated interdisciplinary collaborations among authors from the arts, humanities, natural sciences, and the social sciences.

Radio

KHSU-FM. Humboldt State provides regional broadcast service to the Redwood Coast through its public radio station, KHSU-FM.

Since its small beginnings in 1960, KHSU has evolved into a major broadcast facility, providing service from northern Mendocino County to southern Oregon. The station is acclaimed for its diversified programming: talk shows, news, overseas reports, debates, radioplay dramas, and music ranging from classical to rock.

Newcomers to the area are pleased to find many of their favorite programs from National Public Radio and other national programs in the fine arts and public affairs. KHSU also broadcasts a wide variety of programs locally produced by staff, students, and volunteers (involving the coordinated activity of over 130 people). Programs are selected on the basis of quality and service to the community. Programming standards reflect a continuing commitment to excellence in public broadcasting.

KHSU-FM helps Humboldt pursue its goals of academic excellence by providing training facilities, internships, and on-air experience for students. Professional staff serve as guest lecturers and work side-by-side with students in practical situations.

KHSU-FM, 90.5 MHz, is licensed to Humboldt State University and affiliated with National Public Radio, Public Radio International, The National Federation of Community Broadcasters, California Public Radio. Studios are on the third floor of the theatre arts building. Offices are in Wagner House 73. A live Internet audio stream is available at www.khsu.org.

KRFH-AM. The campus carrier-current station, KRFH-AM 610, fully prepares students

to apply mass communication principles, regulations, laws, and personal skills in radio. Entirely student operated, KRFH offers an additional outlet for journalism students to present radio newscasts and public affairs programming. KRFH students also program for, and participate in, KHSU.

Recreation

The **Recreation and Wellness Center** is a campus collaborative effort to centralize activities and services that focus on the physical and mental wellbeing of the student population. The Recreation and Wellness Center is home to Center Activities, intramurals and sports clubs, and the wellness component of the Student Health Center programs.

Center Activities. This University Center program offers a variety of recreational opportunities and services for the university community including the Student Recreation Center, the Humboldt Bay Aquatic Center, outdoor adventures, aquatics programs, certification courses, and leisure activities.

The **HSU Student Recreation Center** offers a full range of fitness equipment, weight training facilities, an indoor climbing wall, and a large multiuse indoor turf field. Detailed information on hours of operation, policies, and fees are available online at www.humboldt.edu/src.

The **Humboldt Bay Aquatic Center** is located next to the Adorni Center on Eureka's waterfront. The Aquatic Center's purpose is to provide recreation and education opportunities for the HSU campus & local community and to host various events which will enrich the opportunity for off-campus activities. Programs include boating safety classes, Extended Education classes, special events, Center Activities leisure and aquatic classes, an aquatic-based environmental education program. It is also the on-water headquarters for the HSU Intercollegiate Rowing team. More information is available at www.humboldt.edu/hbac.

The **Center Activities** office, located in the Recreation and Wellness Center, is open Monday through Friday. The Center Activities office services include course registration, an equipment rental department, and an outdoor resource/reference library for outdoor activities on the North Coast.

The **Outdoor Adventure and Aquatic Programs** offer seasonal classes in backpacking sailing, kayaking, surfing, as well as various other outdoor activities. These experiential outings take place in our local mountains and waterways. The services provided by Center Activities are designed

to foster student interest and involvement in Humboldt County's outstanding outdoor recreational opportunities. No experience is required for most activities unless otherwise listed. Whether one is a beginner or an experienced outdoors person, Center Activities has an adventure for you. These courses provide an opportunity to meet new friends, learn new skills, and have lots of fun. Center Activities can provide assistance with planning group outings for interested groups or clubs. Activity choices include rafting, surfing, sea kayaking tours, and rock climbing adventures. Group rentals are also possible.

The **Leisure Activities** program offers music, dance, self-development, language, martial arts, and skills and training, to name a few. The leisure activities offered are intended for personal enrichment and skill acquisition. A variety of programs are offered which accommodate many interests and skill levels. Certification courses include EMT-I, Wilderness First Responder, CPR and First Aid, and Swiftwater Rescue.

For a complete listing of classes and services, please call 707-826-3357 or visit us online at www.humboldt.edu/centeractivities.

Intramurals and Sports Clubs. Students can get involved on campus and meet new people by joining other students on intramural recreational sport teams in volleyball, basketball, soccer, softball, and football. Also, if you are interested in more competitive sports, try our sports club program that offers lacrosse, rugby, crew, and ultimate frisbee, to name a few. The Recreational Sports Office is in the Recreation and Wellness Center (RWC), Room 101. Call us at 707-826-6011 for our current semester schedule.

Recycling

The **Waste Reduction and Resource Awareness Program (WRRAP)** is a student-led organization funded by the Associated Students that provides opportunities for students who are interested in waste reduction to educate the campus community on consumption reduction.

WRRAP has five main programs that serve the campus. The Compost Demonstration Site allows students to learn how composting works through hands-on experience. The Reusable Office Supply Exchange (ROSE) provides the campus with an alternative disposal of office supplies, which are made available to departments and students in need of office and school supplies. The Zero-Waste Program is available to help make events on the HSU campus zero-waste by collaborating with dining services to divert waste from landfills and to provide reusable place settings. The Take

Back the Tap Program is a student-led campaign that opposes the privatization of water, particularly the bottling of water and its negative environmental, social, and health impacts. The Education Program produces educational events on campus including the Clothing Swap, Trash Mountain, and Donation Dash.

WRRAP is located in Warren House 53. To learn more about the program, please visit the website (www.humboldt.edu/wrrap) or call 707-826-4162.

Reentry Services

More and more college students are not entering right out of high school. Over one third of Humboldt's student body is 25 or older. Humboldt is well prepared to assist non-traditional students in their college experience.

Already-enrolled reentry students should seek the guidance of the advisors assigned from within their departments. They can also obtain advice from the university's Academic & Career Advising Center in Gist Hall 114, 707-826-3341.

Residence Halls (see Housing)

Resources for Research & Study

Arcata Marsh & Wildlife Sanctuary. The 307 acre Arcata Marsh and Wildlife Sanctuary (AMWS), located at the north end of Humboldt Bay, includes freshwater marshes, salt marshes, tidal sloughs, grassy uplands, mudflats, brackish marshes, and trails for walking and biking. The sanctuary is home to the City of Arcata's wastewater treatment facility, combining conventional treatment processes with ponds and constructed wetlands. The AMWS is situated along the Pacific Flyway, and provides homes and migratory resting places for over 270 species of birds, along with year-round habitat for over 70 bird species and numerous species of plants, mammals, insects, and amphibians. The AMWS is used as an educational and research resource for numerous disciplines at HSU, including environmental resources engineering, botany, biology, fisheries, wildlife, environmental science and management, and chemistry.

Archaeology Research Laboratory. The Archaeology Research Laboratory (ARL) is a research facility dedicated to the scholarly pursuit of knowledge about past cultures ranging from local Historic projects to ancient Mesoamerican archaeology. The interwoven research, teaching, and service

activities of the ARL reflect the university's commitment to academic excellence and cooperation with other interest groups. As part of the Anthropology Program of HSU, the laboratory supports the archaeological research and instructional activities of the faculty. Basic equipment for laboratory and field methods, a reference library, teaching collections, and outreach collections are provided. The laboratory is central to student projects, educational outreach, informal student activities, and faculty research. Both students and faculty collaborate on a variety of projects ranging from ceramic restoration, GIS spatial analysis, 3D virtual reconstructions, experimental archaeology, historic cultural remains, textiles, cave use and function, soils, and ecological research. Mesoamerican research focuses on warfare, epigraphy, settlements, forensics, and sociopolitical organization. Students and faculty present their collaborative research at national and international conferences. Additionally, students are encouraged to publish their research in peer-reviewed journals such as HSU's *Archaeology-in Situ* and the Belize annual archaeology reports.

Art Foundry. The university's art foundry is one of the largest on the West Coast. Almost 4000 pounds of bronze is poured each year. With each event, crowds gather to watch the fascinating molten flow. Students in the metal sculpture program learn sand mold and ceramic shell techniques for the lost-wax process of casting bronze or aluminum sculptures. The foundry offers excellent metal sculpture equipment, including welders and cutters for metal fabrication. Humboldt's broader sculpture curriculum encourages creativity through a variety of materials, including laminated paper, stone, plastics, wood, and found objects.

Biochemistry and Protein Nanostructures Laboratory. Students will have opportunities use modern biochemistry and biotechnology techniques under the supervision of a faculty member. Students will have hands-on research opportunities to design, construct, and characterize protein nanostructures for biotechnology and bioremediation applications. Student presentations of research results, typically at national conferences and meetings, will be highly encouraged.

Biological Sciences Greenhouse. Humboldt State's splendid greenhouse contains plant specimens from more than 187 families — one of the most diverse collections in California. Individual rooms, ranging from a desert room to a fern room, offer students a unique opportunity to study the world's plant life in one setting.

The Biology Core Facility. The Core Facility houses real time PCR machines, thermal cyclers, and an automated DNA Sequencer. Students are able to construct cDNA libraries, clone genes, sequence DNA, and perform quantitative PCR.

Biotechnology Laboratory. The Biotechnology Laboratory supports state-of-the-art instruction for students in Cell Biology, Genetics Laboratory, Stem Cell Biology, and Biotechnology. Major equipment and facilities include ultracentrifuges, walk-in cold room, thermal cyclers, microplate reader, laminar flow hoods, inverted microscopes, and computers.

Chemical and Molecular Dynamics Laboratory. Students find modern research opportunities using vacuum technology, techniques in mass spectrometry, and the interaction between light and matter to probe fundamental physical chemistry. Students will have research opportunities using a hands-on approach through construction and design of modern equipment under the supervision of a faculty member. Student presentations of research results, typically at national conferences and meetings, will be highly encouraged.

Committee for the Care and Use of Laboratory Animals. The Animal Welfare Act (AWA) and Animal Use Regulations require that institutions that receive federal funds and conduct research or educational activities involving the use of vertebrate animals (i.e. fishes, amphibians, reptiles, birds, and mammals) must establish an Institutional Animal Care and Use Committee (IACUC). The IACUC's role is to ensure that vertebrates are treated humanely following the AWA and the principles outlined in the *Guide for the Care and Use of Laboratory Animals* published by the National Research Council. Faculty and students who wish to conduct research or educational activities involving vertebrates must submit an IACUC protocol for review. Upon approval by the IACUC, investigators or educators may initiate their project. Facilities that hold vertebrate animals in captivity for research or education are inspected twice each year by the IACUC. Individuals with concerns over animal care and use issues for vertebrates associated with campus research or instruction should contact the Office of the Dean, College of Natural Resources and Sciences.

Committee for the Protection of Human Subjects in Research. Humboldt State University supports an Institutional Review Board (IRB) in compliance with federal regulations to enable students and faculty to conduct research using human subjects.

The IRB's function is to protect research subjects, including student volunteers, from risks of physical, psychological, or social harm. The IRB promotes the human rights and dignity of research subjects by providing voluntary, informed consent and risk/benefit analysis of research proposals. All research involving human subjects must be reviewed and approved for safety before recruitment of subjects may begin.

Human subjects research includes, among other categories, surveys, interviews, observations of public behavior, psychological research, social research, and physiological research. This applies to all research conducted at Humboldt State University, using university facilities, by employees, students, or other persons otherwise affiliated with the university, or using university employees or students as subjects. This policy applies to the university and its auxiliaries. Human Subjects in Research training is available through CITI, and is required for all individuals included on an IRB Application for Review.

For further information, please contact irb@humboldt.edu.

Computer Access. Students can access HSU computers from numerous sites on campus. Interdisciplinary labs have Macintosh and/or PC computers, and are available for use by classes, students, and faculty. These labs offer a large suite of industry-standard software applications, plus programming languages and databases. In addition, many academic departments have computer labs that offer software specific to their discipline.

The HSU Virtual Lab (VLab) allows access to some on-campus software from on- or off-campus, some of which can be streamed to both HSU and personal computers and devices. The VLab software library is accessible from Windows, Macintosh, and Linux systems, as well as popular mobile devices.

All HSU students are provided personal email, file storage, and web accounts on the campus network. A Technology Help Desk is available for walk-in (Library 120), call-in (707-826-HELP), email (help@humboldt.edu), and web form (www3.humboldt.edu/ditss/itsticket) support. Wireless network access is available across most of the campus.

Dunes Preserve. Students find instructional and research opportunities in a protected ecosystem at the 300-acre Lanphere Dunes Preserve, part of the Humboldt Wildlife Refuge. The dunes, bounded by the Pacific Ocean and the Mad River Slough, contain rare natural habitats of the California coast.

Earthquake Education. Students and faculty working with the Humboldt Earthquake Education Center take an active role in studying local and regional earthquakes. Both science and non-science majors help prepare and disseminate information through publications, workshops, the Humboldt Earthquake Hotline, 707-826-6020, and the Internet at www.humboldt.edu/shakyground.

Energy Research Center. The Schatz Energy Research Center (SERC) promotes the use of clean and renewable energy. SERC works with a wide range of technologies, including solar energy systems, hydrogen fuel cells, biomass energy, and efficient lighting products for the developing world. SERC also engages in policy work and statistical and mathematical modeling analyses relevant to clean energy deployment in local, state, national, and international contexts.

The Schatz Energy Research Center was founded in 1989 with a generous grant from Dr. L.W. Schatz. The center's faculty and professional staff of nearly 20 people include engineers, scientists, policy experts, and education and outreach specialists. SERC is closely affiliated with the Environmental Resources Engineering program at HSU, and a number of undergraduate and graduate student assistants work at the Center. Projects range from local energy planning initiatives to government-funded research efforts and collaborations with private industry on state, national, and international scales.

In 1998, SERC built the first modern fuel cell car licensed to drive in the US and an accompanying solar powered hydrogen fueling station in southern California. The Center holds two fuel cell patents and has three technology license agreements with US corporations.

Recent SERC accomplishments include building a new hydrogen station on the HSU campus. The station was upgraded in 2012 to allow vehicles to drive up to 400 miles on a tank of hydrogen, connecting the station with the rest of the California Hydrogen Highway network. SERC operates a rotating fleet of prototype hydrogen vehicles, in collaboration with Toyota and the University of California, Berkeley.

SERC also plays a leading role in the World Bank Group's Lighting Africa and Lighting Asia initiatives, which support the development of commercial markets for high quality, affordable lighting and energy solutions for people living in off-grid areas of Africa and Asia. SERC has led the development and implementation of the Lighting Global qual-

ity assurance program, which serves the Lighting Africa and Lighting Asia initiatives. SERC's work includes coordinating a testing and certification program for off-grid lighting products, operating its own off-grid lighting test laboratory, and supporting the establishment of laboratories in Africa and Asia.

In cooperation with local governments, SERC has also recently concluded the ambitious RePower Humboldt plan, which promises to dramatically increase use of renewable energy in Humboldt County over the next two decades.

In 2011, SERC moved into its newly built facility on the HSU campus. The building's indoor and outdoor laboratories, workshop, and office space provide an ideal research environment for SERC staff. The building meets the US Green Building Council's LEED (Leadership in Energy and Environmental Design) gold rating.

Evolutionary Anthropology Research. The Humboldt Center for Evolutionary Anthropology (HCEA) offers opportunities for undergraduates to engage in research and learning methods in biological anthropology by working closely with faculty and other researchers. Research projects at HCEA focus on a variety of topics that are relevant to the understanding of human evolution, primate behavior, and conservation, including studies in evolutionary medicine, bioacoustics, genetics, evolutionary epidemiology, and evolutionary processes, such as genetic drift and speciation. Additionally, HCEA offers state of the art technology for skeletal morphology and primate vocalization analysis projects. Faculty in HCEA are actively involved in working with local law enforcement agencies by assisting in the processing of forensic anthropology cases. Student research through HCEA is presented at national conferences, in publications, and through community outreach projects.

Fish Hatchery. Humboldt is one of the few universities with an on-campus fish hatchery. The hatchery recirculates 900 gallons of water each minute. Fish-rearing facilities include an earthen brood pond, concrete raceways, circular ponds, fiberglass circular tanks, and hatching troughs. Students rear trout from the egg through to brood stock. Grown fish are used for classroom instruction and research by both undergraduate and graduate students.

Fish and Wildlife Research Unit. The only one of its kind in the state, the California Cooperative Fish and Wildlife Research Unit conducts research on fish and wildlife in their habitats in response to state, regional, and national trends. The Unit supports graduate

students who work on fisheries and wildlife problems as part of their degree and provides research opportunities to undergraduate students. The Unit is a cooperative effort of the university, the California Department of Fish and Wildlife, the U.S. Fish and Wildlife Service, Wildlife Management Institute, and the U.S. Geological Survey. To learn more, visit the Unit at Wildlife & Fisheries Bldg., Room 212 or call 707-826-3268.

Forests, University. Humboldt State has two forests dedicated to the educational and research needs of the students and faculty.

The **L.W. Schatz Demonstration Tree Farm** was donated to the university (along with an endowment) as a classroom and laboratory. In this 385-acre mixed-species forest, about 25 miles east of campus, research focuses on the needs of the small landowner.

The **Freshwater Forest**, a coastal conifer forest owned by Humboldt Redwood Company, is used as a teaching facility through the generosity of the owner. The 300-acre tract, seven miles south of campus, is excellent for studying local conifers.

Game Pens. Students receive firsthand experience with wildlife at the campus game pens. The facility features a huge flight cage where animals move with much freedom. It also has waterfowl ponds and several large holding pens.

Gravitational Research Laboratory. The Gravitational Research Lab provides physics majors with hands-on research experience testing fundamental properties of gravity and Einstein's General Theory of Relativity. Through application of the skills and methods studied in the undergraduate Physics & Astronomy curriculum, students gain valuable skills in experimental apparatus design, construction and characterization, as well as data analysis and presentation. The methods and results of the laboratory's research are of wide interest to researchers in many areas of experimental and theoretical physics and astronomy. Students regularly author peer-reviewed papers and give oral presentations at national conferences such as the National Conference on Undergraduate Research (NCUR) and meetings of the American Physical Society (APS). The research skills developed in the laboratory also provide the Physics & Astronomy graduates with the necessary background to successfully secure graduate school and industrial positions.

Human Performance Laboratory. Humboldt's laboratory is a resource center for

those wanting a baseline assessment of their health. The lab also serves as a training facility for exercise science students to develop skills in testing and promoting an active lifestyle.

From athletes with an Olympic fitness agenda, to persons with special conditions (e.g. arthritis, asthma, heart problems, pregnancy), everyone can benefit from the laboratory's resources: dietary analysis, body composition testing, aerobic fitness testing, exercise prescriptions, and specialized exercise programs are available to both the campus and surrounding community. The lab actively educates both graduate and undergraduate students through hands-on experience in the basic and applied aspects of exercise and how to properly prepare for careers in this field. State-of-the-art equipment advances graduate research and puts Humboldt on the map in human performance technology.

Library. See "University Library."

Marine Laboratory. In the coastal town of Trinidad, 11 miles north of campus, students in fisheries biology, oceanography, geology, and the biological sciences take classes and conduct research at the Telonicher Marine Laboratory. The lab includes a circulating seawater system, lecture rooms, several research labs, a computer lab, and various kinds of microscopes and instrumentation for faculty and student use. Nearby Trinidad and Humboldt Bays and the Pacific Ocean provide rocky and sandy intertidal and subtidal habitats for further study.

The lab is open for visitors from 9:00 A.M. to 4:30 P.M. during the week and from noon to 4:00 P.M. on weekends when HSU is in session. Local fishes and invertebrates are on display, and there is a simulated tide pool area containing invertebrates that may be touched. For more information, call 707-826-3671. To schedule group tours, call the Marine Naturalist at 707-826-3689.

Marine Wildlife Care Center. The center operates both as a training complex for students in the wildlife program and as a regional rescue center for marine birds injured as a result of oceanic oil spills. The 4,500 square-foot facility serves the coastal region from Point Arena to the Oregon border.

Music Ensemble Library. The music ensemble library houses over 14,000 titles, including roughly 1,000 pieces each for orchestra, symphonic band, jazz ensemble, and mixed chorus. In addition, there are two separate collections of chamber music, one owned by HSU and one co-owned by the Humboldt Chamber Music Workshops, that have been

served by the library for over 50 years. These combined collections number over 8,700 and include most standard chamber music works as well as many non-standard and/or out-of-print works which are difficult to obtain elsewhere.

Natural History Collections. Humboldt State maintains some of the most important collections of plants and animals in the Pacific Northwest. Most of these collections are the only ones of their kind between central California and northern Oregon. Each collection is available to qualified undergraduate and graduate students:

The **University Herbarium**, largest in the CSU system, contains over 100,000 specimens of algae, fungi, mosses, ferns, gymnosperms, and flowering plants. It stores reprints, monographs, and floras.

The **Forestry and Range Herbarium** is national in scope and supports the instructional programs in those areas.

The **Marine Invertebrates Collection** focuses on invertebrates from central to northern California. Approximately 1,000 species are represented by over 5,000 specimens.

The **Fisheries Collection**, largest in the CSU and fourth largest in California, contains approximately 46,000 specimens. The focus is on the freshwater and marine fishes of the Pacific Northwest, but it also has representatives of groups worldwide.

The **Wildlife Museum** is the primary regional repository for birds. It contains about 14,000 specimens, including birds, nests and eggs, and mammals. Its scope is worldwide and includes specimens collected in the late 1800s, and extinct, rare, and endangered species.

The **Vertebrate Museum** houses approximately 15,000 mammal specimens with worldwide representation. Additionally, about 1,500 amphibian and reptile specimens are maintained. The mammal collection is accredited by the American Society of Mammalogists and the museum is part of the federal Marine Mammal Stranding Network.

Observatory. Astronomy students venture up Fickle Hill in Arcata to use the university observatory. It is located only 10 miles from campus but over 2,000 feet above sea level. Far from city lights, the site has two observatory buildings, housing two 14-inch telescopes and six 8-inch telescopes. Students go far beyond textbook photos in observing stars, planets, and galaxies.

Scanning Electron Microscopes (SEM) & Transmission Electron Microscope (TEM).

HSU currently has three SEMs: two Topcon ABT-32 scopes used primarily in teaching, and an FEI Quanta 250 environmental SEM with energy dispersive spectroscopy for elemental analysis and digital image acquisition. The SEMs are used by faculty and advanced students in the biological sciences, geology, and natural resources to examine the surface structure of organisms and other natural objects.

The TEM is an instrument that generates extremely highly magnified images of small objects (such as bacteria or viruses) or of ultra-thin sections of larger material through the use of a concentrated electron beam. The conventional light microscope allows magnifications of up to about 1000x while the TEM can be used to obtain higher magnifications greater than 100,000x.

Seagoing Vessels. Biology, fisheries, geology, oceanography, and wildlife classes use the university's 90-foot, 143-ton research vessel, the *Coral Sea*, for field trips to support both undergraduate/graduate instruction and advanced undergraduate and graduate research. Besides the *Coral Sea*, a number of smaller watercraft are used for instructional and research purposes.

Wildlife Refuge. The Wright Wildlife Refuge is a 5.5 acre parcel on the eastern edge of Eureka, jointly managed by the Humboldt Area Foundation and the Wildlife Department. Ms. Wright's endowment supports wildlife management, research, and education on the refuge. The area provides many opportunities for independent research by Humboldt State students. Students also participate in a bird-banding program ongoing on the site.

Study Abroad Programs

There are many opportunities for students at Humboldt State University 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 information, contact Penelope Shaw at 707-826-3942 or pjs25@humboldt.edu, or visit the website at www.humboldt.edu/goabroad. The Study Abroad Office is located in the Feuerwerker House.

California State University 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 has contributed to this effort by providing qualified students an affordable opportunity to continue their studies abroad for a full academic year. More than 20,000 CSU students have taken advantage of this unique study option.

International Programs participants earn resident academic credit at their CSU campuses while they pursue full-time study at a host university or special study center abroad. The International Programs serves the needs of students in over 100 designated academic majors. Affiliated with more than 50 recognized universities and institutions of higher education in 18 countries, the International Programs also offers a wide selection of study abroad destinations and learning environments.

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

Canada: Concordia University (Montréal)

Chile: Pontificia Universidad Católica de Chile (Santiago)

China: Peking University (Beijing)

Denmark: Danish Institute for Study Abroad (international education affiliate of the University of Copenhagen)

France: Institut Catholique de Paris, Université d'Aix-Marseille (Aix-en-Provence), 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, Legon

Israel: University of Haifa

Italy: CSU Study Center (Florence), Università degli Studi di Firenze, Accademia di Belle Arti Firenze

Japan: Waseda University (Tokyo), University of Tsukuba

Korea: Yonsei University (Seoul)

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

South Africa: Nelson Mandela Metropolitan University, Port Elizabeth

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

Sweden: Uppsala University

Taiwan: National Taiwan University (Taipei), National Tsing Hua University (Hsinchu)

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

International Programs pays tuition and administrative costs abroad for participating California resident students to a similar extent that such funds would be expended to support similar costs in California. Participants are responsible for all CSU tuition and program fees, personal costs, such as transportation, room and board, and living expenses. Financial aid, with the exception of Federal Work Study, is available to qualified students. International Programs participants expecting financial aid must meet with an advisor in the Financial Aid Office prior to departure.

To qualify for admission to the International Programs, in most programs students must have upper division or graduate standing at a CSU campus by the time of departure. Students at the sophomore level may, however, participate in the intensive language acquisition programs or courses in Canada, China, France, Germany, Korea, Mexico, Sweden, and Taiwan. California Community Colleges transfer students are eligible to apply directly from their community colleges. Students must also possess a current cumulative grade point average of 2.75 or 3.0, depending on the program for which they apply, and must fulfill all coursework prerequisites.

Additional information and application materials may be obtained by visiting the HSU Study Abroad website at www.humboldt.edu/goabroad, or the CSU site at www.calstate.edu/ip, or by writing to The California State University International Programs, 401 Golden Shore, Sixth Floor, Long Beach, CA 90802-4210.

Students can also participate in the bilateral exchange, summer, and semester programs offered at HSU. More information can be found here: www.humboldt.edu/goabroad.

Support Services

The **Educational Opportunity Program and Student Support Services (EOP/SSS)** 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 EOP, students receive academic and financial aid advising, tutoring,

learning skills assistance, mentoring, and participate in academic enrichment activities. Students who qualify for financial aid may be considered for an EOP grant.

To be considered for admission into EOP, students must first submit their undergraduate application to the university, and then must complete the EOP application, which is available on the CSU Mentor website. The EOP application includes: The Applicant Information Form and two Recommendation Forms. Students must also meet the EOP income criterion, as described in the EOP application.

Students who do not qualify for admission to the university may be recommended for special admission through EOP.

Only a limited number can be admitted through EOP, so those with the greatest need for program services are selected.

Native American Support Programs. See "Indian Tribal & Educational Personnel Program" and "Center for Academic Excellence in STEM" the Academic Programs section.

Student Academic Services Outreach Program provides outreach services designed to inform students and their parents about admission requirements, financial aid, and educational opportunities. Culturally relevant activities are designed for high school and community college students to assist them in planning their attendance to a four-year college. Special outreach events include admission and financial aid staff and faculty representatives from academic departments. The program strengthens college preparation and support, particularly for low-income and/or first-generation college going students, preparing to enter a postsecondary institution. For additional information call 707-826-4791.

Testing Center

The Testing Center, located in the Library Basement (Room 24), administers and provides information for a wide variety of tests, including those for college/university admission (undergraduate, graduate, and credential), for course placement, for proficiency, and for vocational interest. (See Admission Information for descriptions of some of the tests.) In addition to standardized tests, accommodated classroom testing for students with disabilities and correspondence tests are administered by appointment. The center also provides electronic scoring for faculty using scannable multiple-choice exams. Call 707-826-3611.

Theatre, Film & Dance

The Department of Theatre, Film, and Dance presents seasons of mainstage productions, one-act plays, dance programs, and film showings. Students participate in the staging, costuming, production, and performance of plays and concerts.

A limited number of free student tickets are available for most performances through the University Ticket Office.

The department also sponsors the annual Humboldt Film Festival, the oldest student-run festival in America (since 1966). It attracts entries from all parts of the world.

Transportation (also see Parking)

Many Humboldt students, living on campus or off, get around without a car. Downtown Arcata, restaurants, shopping centers, health care services, and many apartments are within easy walking distance of the campus.

The university and local governments have encouraged alternatives to cars by establishing bicycle lanes, mass transit, and carpool services. For more information, call 707-826-3773 or email parking@humboldt.edu.

Jack Pass Bus Program. A portion of every student's registration fees subsidizes Humboldt State University's Jack Pass program. This program provides all HSU students, with a current ID card, unlimited free rides on the city's Arcata & Mad River Transit System, the county's Redwood Transit System, and the city of Eureka's Eureka Transit System. Between these three bus systems, a student can ride between the communities of Trinidad, in the north, to Scotia, in the south, and throughout the cities of Arcata and Eureka. Riders may take their bicycles on the Redwood Transit System buses. For details, go to Humboldt Transit Authority's website at www.hta.org.

Bicycles. Bicycles are very popular in Arcata and on campus, where more than 800 bicycle racks are available. The Bicycle Learning Center and the Campus Center for Appropriate Technology periodically offer free bicycle maintenance workshops. The city of Arcata officially encourages bicycling. A bicycle license may be purchased at the Arcata Police Department. Call 707-822-2428.

Car Pools and Ride Sharing. Parking & Commuter Services offers an online carpool matching service to Humboldt State students, staff, and faculty, helping people find

others who share their commute. Parking's website at www.humboldt.edu/parking provides access to this service, as well as carpooling tips.

For ride sharing out of the area, a ride board allows drivers and riders to find each other; a service particularly useful during holiday times and weekends. The board, located in the Jolly Giant Commons, has a large map of destinations divided into several regions.

Car-Sharing Program. Humboldt State has partnered with Zipcar to bring two rentable cars to campus. Cars are available on-demand 24/7, to be reserved by the hour or day. Visit www.humboldt.edu/green/resources/zipcar.php for more details.

Air Travel. Humboldt County has a full-service airport (the Eureka-Arcata Airport) located north of campus in McKinleyville (about a 15-minute drive from campus). United Express is the airline serving this region.

Undeclared Students

Many students begin their studies at Humboldt undecided about which major is right for them. These students are assigned advisors from the Academic & Career Advising Center (ACAC) who help them select courses that satisfy degree requirements while guiding them through the process of selecting an academic program.

Students have an excellent opportunity to make progress towards their degree by completing general education and other all-university requirements as they clarify their educational and career goals, and explore various majors.

Students must declare a major by the time they have earned 45 units.

University Center

The University Center (UC) is the student union on campus and the heart of student activities and services. The 54,000 sq. ft. building is located at the foot of Founders Hall. The UC has conference rooms, two lounges, and two multipurpose rooms available for use by the university community.

Campus services located in the building include the University Ticket Office, Information Counter, The Depot, Windows Café, and the HSU Bookstore. The UC also houses the offices of Associated Students, CenterArts, Clubs, and the University Center Administration.

For more information, please visit the University Center's website at www.humboldt.edu/uc.

University Library

Information Resources & Collections. The 109,000 square foot Library houses approximately 496,000 volumes in its main book collection, and subscribes to 270 print periodicals and newspapers. The Library also provides access to more than 75,000 full-text e-journals and e-newspapers, and over 100,000 e-books, all of which are available 24/7 to students, faculty, and staff via the Internet.

In addition to the main book collection, the Library maintains several specialized collections, including a Children's Literature Collection, a Map Collection, and Archives. As a depository for United States federal and California state documents, the Library houses over 426,000 government publications in its Documents Collection. Unique to the HSU campus is the Humboldt Room — a collection of material about the natural and cultural history of Humboldt County.

If an information resource is not available locally, the Library's interlibrary loan service will acquire it from another library upon request.

Research & Instructional Services. Librarians offer in-person, online, and telephone reference assistance, and provide instruction in locating, retrieving, organizing, evaluating, and communicating information. They offer both formal and informal classes addressing basic library research skills. Research assistance is available through online chat, to the campus community around the clock.

Online & Other Resources. The Library's webpage (library.humboldt.edu) provides a portal for accessing the Library's digital resources, including the HSU Library Catalog, 160 information databases, the Journal and Newspaper Finder, the online catalogs for other academic libraries, and a state-of-the-art discovery system accessing a knowledge base of over 800 million books, journal articles, and other research data. In addition to serving as a finding aid to holdings in the various Library collections, the HSU Library Catalog provides access to full-text electronic course reserve readings which are available through ONCORES (the Library's Online Course Reserve System). Humboldt Digital Scholar, the institutional repository run by the Library, provides access to over 800 electronic HSU master's theses, video of campus lectures, faculty scholarship and other online scholarship.

Within the Library, students have access to more than 50 computer workstations located throughout the library for study and research. Over 80 additional machines are available in four Information Technology Services computer labs also located in the building. The entire Library has wireless internet access for those using a personal laptop or handheld device.

Group study rooms, most with multimedia viewing equipment, are available for student use on all three floors of the Library. Group study rooms may be reserved in advance online through the library's web site. The library features a newly created silent study room, for the ultimate in concentration. The popular Library Café offers an array of snacks and beverages to sustain Library users.

Library Media. In the Media Resources Area, the Library offers a variety of resources, including the DVD and video collection, the CD collection, and the microform collection, to support instruction and research in many academic areas. Students can either check out these resources, or use the equipment available in that area.

Veterans Enrollment & Transition Services (VETS)

Student veterans and staff at Humboldt State University are committed to the academic success and career goals of our veterans. Located in the Lower Library, Room 5B, we offer facilities in which to meet other veterans, study, and access our resource library and other resources specifically for veterans. VETS processes enrollment certifications for the Montgomery GI Bill and provides application assistance for veterans benefits and the California Department of Veterans Affairs fee waiver. Information about veterans educational program planning, tutorial services, military credit evaluation, and the VA work-study program is also available. We have on-campus representatives from the local Veteran Center, California's Employment Development Department, and county Veterans Service Office to assist with transitional counseling, career counseling, and claims processing. All veterans are invited to join our Student Veterans Association and become an integral part of Humboldt State's student life and the Veteran's community. You can find us online at www.humboldt.edu/veterans or by calling 707-826-6272.

Women's Resource Center

Located in House 55, the Women's Resource Center offers support groups, educational activities, and resource materials. The center sponsors workshops, speakers, films, concerts, and other events to promote an awareness of the roles, achievements, and concerns of women.

ADMISSION INFORMATION

Admission

Requirements for admission to Humboldt State University are in accordance with Title 5, Chapter 1, Subchapter 3, of the California Code of Regulations. Complete information is available at www.csumentor.edu/planning. The requirements are described below. Contact the Humboldt State University Office of Admissions or California high school and community college counselors for more information.

NOTE: Admissions requirements are subject to change dependent upon the number of applications received and possible "impacted" status at the campus.

Applying to the University. Electronic versions of the CSU undergraduate and graduate applications are accessible online at www.csumentor.edu. The CSU Mentor system allows students to browse through general information about CSU's twenty-three campuses, view multimedia campus presentations, send and receive electronic responses to specific questions, and apply for admission and financial aid.

Applying online via www.csumentor.edu is expected unless electronic submission is impossible. An acknowledgement will be sent when online applications have been submitted. Application in "hard copy" form may be obtained online via www.csumentor.edu as a portable data format (PDF). Application forms (in PDF) may also be downloaded from www.calstate.edu/sas/publications. Paper applications may be mailed to Humboldt

State University, Admissions Office, 1 Harpst Street, Arcata, CA 95521-8299.

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

Humboldt State University 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). All documents submitted for admission or evaluation become property of the University and are not returned.

Graduate Application Procedures. See section titled The Master's Degree.

Undergraduate Application Procedures. Prospective students applying for part-time or full-time undergraduate programs of study must submit a completed undergraduate application. The \$55 nonrefundable application fee should be in the form of a check or money order payable to "The California State University" or by credit card, and may not be transferred or used to apply to another term. An alternate major may be indicated on the application. The applications of persons denied admission to an impacted and/or closed campus may be re-routed 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 programs impaction will be available at the following websites:

- www.csumentor.edu
- www.calstate.edu/impactioninfo.shtml
- www.calstate.edu/sas/impaction-campus-info.shtml

Campuses will communicate supplementary admission criteria for all impacted programs to high schools and community colleges in their service area and will disseminate

For master's degree application requirements, see The Master's Degree.

CSU Application Filing Periods

You are urged to apply as early as possible. Applications for impacted programs must be filed during the initial filing period (first month of the filing period or October and November for fall terms). Not all campuses/programs are open for admission to every term. If applying after the initial filing period, consult the campus admission office or CSU Mentor for current information.

Application Term	Application Filing Period	Filing Period Duration
Fall semester or quarter 2014	October 1 - Nov 30, 2013	Each non-impacted campus accepts applications until capacities are reached. Many campuses limit undergraduate admission in an enrollment category due to overall enrollment limits.
Winter quarter 2015	June 1 - 30, 2014	
Spring semester or quarter 2015	August 1 - 31, 2014	

To find out which CSU campuses are currently accepting applications and which majors are open or closed, go to www.csumentor.edu/Filing_Status.

this information to the public through appropriate media. This information will also be published at the CSU campus individual website and made available online at www.calstate.edu.

Applicants must file applications for admission to an impacted program during the initial filing period. Applicants who wish to be considered in 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 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 AA-T or AS-T degree, 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 are required to submit scores

on either the SAT or the ACT. For fall admission, applicants should take tests as early as possible, but no later than November or December of the preceding year.

The supplementary admission criteria used by the individual campuses to screen applicants are made available by the campuses to all applicants seeking admission to an impacted program. Details regarding the supplemental admission criteria are published at www.calstate.edu/impactioninfo.shtml.

HSU Application Deadlines. Apply to Humboldt State 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.

Fall semester applications are accepted after the preceding October 1. Humboldt may stop accepting applications in certain enrollment categories any time after November 30. The Office of Admissions, 707-826-4402 (or toll free 1-866-850-9556), can confirm deadlines and policies.

Generally, Humboldt accepts **spring semester** applications after the preceding August 1. The university may stop accepting applications in certain enrollment categories any time after August 31. The Office of Admissions, 707-826-4402 (or toll free 1-866-850-9556), can confirm deadlines and policies.

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 Humboldt State. Most colleges charge for this service. The issuing institution needs the applicant's full name (and maiden and/or former name), birth date, 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, final, official transcripts must be sent after completion of coursework.

Application Acknowledgement. As soon as possible after receiving an application, the Office of Admissions notifies the student that the application has arrived and is being processed. In the event Humboldt is unable to accommodate an application, it is returned with the application fee.

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 mail of Humboldt's admission decision.

Admitted applicants are sent a letter of admission and information about 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.

Eligibility Index Table											
for California High School Graduates or Residents of California (nonresidents should contact the Office of Admissions)											
GPA	ACT	SAT	GPA	ACT	SAT	GPA	ACT	SAT	GPA	ACT	SAT
3.00 and above qualifies with any score			2.75	15	700	2.48	20	920	2.21	26	1140
			2.74	15	710	2.47	20	930	2.20	26	1140
			2.73	15	720	2.46	21	940	2.19	26	1150
2.99	10	510	2.72	15	730	2.45	21	940	2.18	26	1160
2.98	10	520	2.71	16	740	2.44	21	950	2.17	26	1170
2.97	10	530	2.70	16	740	2.43	21	960	2.16	27	1180
2.96	11	540	2.69	16	750	2.42	21	970	2.15	27	1180
2.95	11	540	2.68	16	760	2.41	22	980	2.14	27	1190
2.94	11	550	2.67	16	770	2.40	22	980	2.13	27	1200
2.93	11	560	2.66	17	780	2.39	22	990	2.12	27	1210
2.92	11	570	2.65	17	780	2.38	22	1000	2.11	28	1220
2.91	12	580	2.64	17	790	2.37	22	1010	2.10	28	1220
2.90	12	580	2.63	17	800	2.36	23	1020	2.09	28	1230
2.89	12	590	2.62	17	810	2.35	23	1020	2.08	28	1240
2.88	12	600	2.61	18	820	2.34	23	1030	2.07	28	1250
2.87	12	610	2.60	18	820	2.33	23	1040	2.06	29	1260
2.86	13	620	2.59	18	830	2.32	23	1050	2.05	29	1260
2.85	13	620	2.58	18	840	2.31	24	1060	2.04	29	1270
2.84	13	630	2.57	18	850	2.30	24	1060	2.03	29	1280
2.83	13	640	2.56	19	860	2.29	24	1070	2.02	29	1290
2.82	13	650	2.55	19	860	2.28	24	1080	2.01	30	1300
2.81	14	660	2.54	19	870	2.27	24	1090	2.00	30	1300
2.80	14	660	2.53	19	880	2.26	25	1100	Below 2.00 does not qualify for regular admission		
2.79	14	670	2.52	19	890	2.25	25	1100			
2.78	14	680	2.51	20	900	2.24	25	1110			
2.77	14	690	2.50	20	900	2.23	25	1120			
2.76	15	700	2.49	20	910	2.22	25	1130			

The CSU uses only the ACT score or the SAT mathematics and critical reading scores in its admission eligibility equation. The SAT or ACT writing scores are not currently used by CSU campuses.

Undergraduate Admission Requirements

NOTE: Admissions requirements are subject to change dependent upon the number of applications received and possible “impacted” status at the campus.

First-Time Freshmen. Generally applicants will qualify for consideration for first-time freshman admission if they meet the following requirements:

- Have graduated from high school, have earned a Certificate of General Education Development (GED), or have passed the California High School Proficiency Examination (CHSPE); and
- Have a qualifiable minimum eligibility index (see “Eligibility Index”); and
- 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”).

Eligibility Index. The eligibility index is the combination of the high school grade point average and scores on either the ACT or the SAT. Grade point averages (GPA) are based on grades earned in courses taken during the final three years of high school.

Included in calculation of GPA are grades earned in all college preparatory “a-g” subject requirements, and bonus points for approved honors courses. Up to eight semesters of honors courses taken in the last three years of high school, including up to two approved courses taken in the tenth grade can be accepted. Each unit of A in an honors course will receive a total of 5 points; B, 4 points; and C, 3 points.

A CSU Eligibility Index (EI) can be calculated by multiplying a grade point average by 800 and adding your total score on the mathematics and critical reading scores of the SAT. For students who took the ACT, multiply the grade point average by 200 and add ten times the ACT composite score. Persons who are California high school graduates (or residents of California for tuition purposes), need a minimum index of 2900 using the SAT or 694 using the ACT. The Eligibility Index Table illustrates several combinations of required test scores and averages.

The university has no current plans to include the writing scores from either of the admissions tests in the computation of the CSU Eligibility Index.

Persons who neither graduated from a California high school nor are a resident of California for tuition purposes, need a minimum index of 3502 (SAT) or 842 (ACT).

Graduates of secondary schools in foreign countries must be judged to have academic preparation and abilities equivalent to applicants eligible under this section.

An applicant with a grade point average of 3.00 or above (3.61 for nonresidents) is not required to submit test scores. However, all applicants for admission are *urged to take the SAT or ACT and provide the scores of such tests to each CSU to which they seek admission.* Campuses use these test results for advising and placement purposes and may require them for admission to impacted majors or programs. Impacted CSU campuses require SAT or ACT scores of all applicants for *freshman* admission.

Provisional Freshman Admission. Humboldt State University 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 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. The campus may rescind admission decisions, cancel financial aid awards, withdraw housing contracts, and cancel any university registration for students who are found not to be eligible 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 diploma from high school, have a qualifiable minimum eligibility index, 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.

California high school graduates and residents must have SAT or ACT scores at or above those listed beside their GPA in the Eligibility Index Table. Admission requirements for **high school graduates from other states or US possessions** are more restrictive than those for residents (contact the Office of Admissions for more information).

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 “Admission by Exception” on page 32.

For questions regarding individual situations, make an appointment with an admissions counselor: Phone 707-826-4402 or toll free 1-866-850-9556.

Subject Requirements

First-time freshmen must have completed, 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.)

- 4 years of English
- 3 years of math (algebra, geometry, and intermediate algebra)
- 2 years of social science, including 1 year of U.S. history, or U.S. history and government.
- 2 years of laboratory science (1 biological and 1 physical, both must have laboratory instruction).
- 2 years in the same language other than English (subject to waiver for applicants demonstrating equivalent competence)
- 1 year of visual or performing arts: art, dance, drama/theatre, or music. Both semesters must be within the same area — one full year of dance or one full year of music, etc.
- 1 year of additional coursework 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.

Recommendations. Students should consider taking courses beyond the minimum required. Humboldt strongly recommends preparation in natural sciences, social sciences, visual and performing arts, languages other than English, humanities, and keyboarding.

Those planning to major in mathematics, science, engineering, premedicine, business, or economics should take four years of college preparatory mathematics and will find improved computer skills especially valuable. All students should include English and mathematics in their final high school year.

Subject Requirements for Students with Disabilities. 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.

NOTE: Course substitutions may limit later enrollment in certain majors, particularly those involving mathematics.

For information or substitution forms, contact the Student Disability Resource Center 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 is 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 at www.assist.org.

CSU campuses may enter into course-to-course or program-to-program articulation agreements with other CSU campuses and any or all of the California community colleges, and other regionally accredited institutions. Established CSU and CCC articulations may be found on www.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.

Please contact the Office of Admissions to determine whether lower division transfer students are being admitted.

Generally, applicants will qualify for CSU admission consideration as a lower division transfer if they have a grade point average of at least 2.0 (C or better) in all transferable units attempted.

- Will meet the freshman admission requirements (grade point average and subject requirements) in effect for the term to which they are applying (see "First-Time Freshman" under "Undergraduate Admission Requirements"); **or**
- Were eligible as a freshman at the time of high school graduation except for missing college preparatory subject requirements, have been in continuous attendance in an accredited college since high school graduation, and have made up the missing subject requirements with a 2.0 or better GPA.

Applicants who graduated from high school prior to 1988 should contact the Admissions Office to inquire about alternative admission programs.

Lower division applicants who did not complete subject requirements while in high school may make up missing subjects in any of the following ways:

1. Complete appropriate courses with a C or better in adult school or high school summer sessions.
2. Complete appropriate college courses with a C or better. One college course of at least three semester or four quarter

units will be considered equivalent to one year of high school study.

3. Earn acceptable scores on specified examinations, e.g., SAT subject tests.

Please consult with the CSU campus admission office, to which you are applying for further information about alternative ways to satisfy the subject requirements.

Due to increased enrollment demands, most CSU campuses do not admit lower-division transfer applicants.

Upper Division Transfer Requirements.

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

1. They have a grade point average of at least 2.0 (C or better) in all transferable units attempted;
2. They are in good standing at the last college or university attended; and
3. They have completed at least sixty (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, which meet CSU general education requirement 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) / Student Transfer Achievement Reform (STAR) Act (SB 1440).

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 a clear transfer preparation and admission pathway to the CSU degree majors.

California Community College students who earn an associate degree for transfer (AA-T or AS-T) degree are guaranteed admission with junior standing to a CSU and given priority admission 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 priority con-

sideration 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.

Provisional Transfer Admission. Humboldt State University 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 official transcripts of all college level work completed by the deadline listed in Admissions communications. Campuses may rescind admission for any student who is found not to be eligible 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.

ASSIST is an articulation and transfer planning system providing a variety of information about California public institutions of higher education. For information on courses from other California colleges that can be used in lieu of specific Humboldt coursework, visit their website at www.assist.org.

Test Requirements

SAT/ACT Requirement. Freshman and transfer applicants who have fewer than 60 semester or 90 quarter units of transferable college credit must submit scores, unless exempt (see "Eligibility Index" on page 29), from either the ACT or the SAT of the College Board. Persons who apply to an impacted program may be required to submit test scores, and should take the test no later than November or December. Test scores are also used for advising and placement purposes. Registration forms and dates for the SAT or ACT are available from high school or college counselors and from Humboldt's Testing Center, 707-826-3611.

Applicants also may contact:

The College Board (SAT)
Registration Unit, Box 6200
Princeton, NJ 08541-6200
609-771-7588
www.collegeboard.org

ACT Registration Unit
PO Box 414
Iowa City, IA 52240
319-337-1270
www.act.org

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 minimum score of 525 written /197 computer-based/71 internet-based or above on the Test of English as a Foreign Language (TOEFL) or a minimum score of 6.0 on the International English Language Testing System (IELTS) test. Some campuses may require a higher score. A few campuses may also use alternative methods of assessing English fluency. 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.

Students who do not meet the TOEFL/IELTS requirement may enroll in the English as a Second Language program through the International English Language Institute (IELI); see "English as a Second Language (ESL)" at the end of this catalog section.

Placement / Proficiency Tests

The CSU requires that each entering undergraduate, except those who qualify for an exemption, take the CSU Entry Level Mathematics (ELM) exam and the CSU English Placement Test (EPT) prior to enrollment.

These placement tests are not a condition for admission to the CSU, but they are a condition of enrollment. These examinations are designed to identify entering students who may need additional support in acquiring college entry-level English and mathematics skills necessary to succeed in CSU baccalaureate-level courses. Undergraduate students who do not demonstrate college-level skills both in English and in mathematics will be required to participate in appropriate remedial programs and activities during the first term of their enrollment. Students placed in remedial programs in either English or mathematics must complete all remediation in their **first year** of enrollment. Failure to complete remediation by the end of the first year may result in denial of enrollment for future terms.

Information on testing times and places is mailed upon admission (or may be obtained from the Office of Admissions or the Testing Center). Students should make every effort to take these exams at the CSU campus closest to home on a test date early enough for scores to be received at Humboldt prior to registration.

Advanced Placement (AP) Tests. Humboldt State University 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 six semester units (nine quarter units) of college credit.

The English Placement Test (EPT) is designed to assess the level of reading and writing skills of students entering the California State University. The CSU EPT must be completed by all non-exempt entering undergraduates prior to enrollment in any course, including remedial courses.

Exemptions from the EPT are granted only to those who present proof of one of the following:

- A score of "Exempt" or "Ready for college-level English courses" on the CSU Early Assessment Program (EAP) taken along with the English Language Arts California Standard Test in grade 11;
- A score of "Conditionally ready for college-level English courses" or "Conditional" on the CSU Early Assessment Program (EAP) taken on grade 11, provided successful completion of the Expository Reading and Writing Course (ERWC), AP English, 1B English or an English course approved for extra honors weight on the University of California "a-g" Doorways course list;
- A score of 500 or above on the critical reading section of the College Board SAT Reasoning Test;
- A score of 22 or above on the American College Testing (ACT) English Test;
- A score of 3 or above on either the Language and Composition or the Composition and Literature examination of the College Board Scholastic Advanced Placement Program;
- Completion and transfer to CSU of the credits for a college course that satisfies the CSU General Education requirement in English Composition, provided the course was completed with a grade of C or better;

The **Entry Level Mathematics (ELM)** exam is designed to assess and measure the level of mathematics skills acquired through three years of rigorous college preparatory mathematics coursework (Algebra I and II, and Geometry) of students entering the California State University (CSU). The CSU ELM must be completed by all non-exempt entering undergraduates prior to enrollment in any course, including remedial courses. Students who score 50 or above on the ELM will be placed in college-level mathematics classes.

Exemptions from the ELM are granted only to those who present proof of one of the following:

- A score of “Exempt” or “Ready for college-level Mathematics courses” on the CSU Early Assessment Program (EAP), taken in grade 11 in conjunction with the CST in Summative High School Mathematics or Algebra II;
- A score of “Conditionally ready for college-level Mathematics courses” or “Conditional” on the CSU Early Assessment Program (EAP) taken in grade 11 along with the California Standards Test in Summative High School Mathematics or Algebra II, provided successful completion of a CSU-approved 12th grade math course that require Algebra II as a prerequisite;
- A score of 550 or above on the mathematics section of the College Board SAT Reasoning Test;
- A score of 550 or above on a College Board SAT Subject Test in Mathematics (level 1 or level 2);
- A score of 23 or above on the American College Testing (ACT) Mathematics Test;
- A score of 3 or above on the College Board Advanced Placement Calculus AB or Calculus BC exam;
- A score of 3 or above on the College Board Advanced Placement Statistics examination;
- Completion and transfer to CSU of a college course that satisfies the requirement in Quantitative Reasoning, provided such a course was completed with a grade of C or better;

Early Start Program. Entering resident freshmen who are not proficient in math or English will need to start the remediation process before their first regular term.

The goals of Early Start Program are to:

- Better prepare students in math and English, before the fall semester of freshman year;
- Add an important and timely assessment tool in preparing students for college; and

Exemptions based on test scores cannot be granted unless official scores have been sent to Humboldt. Exemptions based on coursework must be verified via transcript or grade report.

- Improve students' chances of successful completion of a college degree.

Newly admitted freshman students who are required to complete Early Start will be notified of the requirement and options for completing the program as part of campus communications to newly admitted students.

Special Admission

Admission by Exception. Section 89030.7 of the California Education Code requires that the California State University 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.

Admissions 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. Please refer to the appeal policy at www.humboldt.edu/admissions/apply.

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 eLearning and Extended Education for details (707-826-3731).

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

1. Possesses a high school diploma (or has established equivalence through either the General Educational Development or California High School Proficiency Examinations).

2. Has not been enrolled in college as a full-time student for more than one term during the past five years.
3. If there has been any college attendance in the last five years, has earned a C average 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. Please contact the College of eLearning and Extended Education for details (707-826-3731).

International Students

The CSU must assess the academic preparation of international students. For this purpose, “international students” include those who hold U.S. temporary visas as students, exchange visitors, or in other nonimmigrant classifications.

The CSU uses separate requirements and application filing dates in the admission of international students. Verification of English proficiency (see the section on the “English Language Proficiency” for undergraduate applicants), financial resources, and academic performance are each important considerations for admission.

Priority in admission is given to residents of California. There is little likelihood of non-resident applicants, including international students, being admitted either to impacted majors or to those majors or programs with limited openings.

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 Deadline Dates (subject to change):

Undergraduates and Second Bachelor applicants:

Fall terms: June 1st

Spring terms: November 1st

Graduates:

See your specific department at:

www.humboldt.edu/gradprograms

Applying to Humboldt. International applicants should submit the following documents to Humboldt State University, International

Student Admissions, 1 Harpst Street, Arcata, CA 95521-8299, USA.

- 1) Application for admission. For the fastest processing of your application, apply online through CSU Mentor (recommended) at www.csumentor.edu/admissionapp/intl_apply.asp, **or** download a paper application by visiting the website at www.humboldt.edu/international/apply/undergraduate (for undergraduate applicants) or www.humboldt.edu/international/apply/graduate (for graduate applicants).
- 2) A non-refundable application fee of US \$55.00 (payable online if using CSU Mentor)
- 3) Certification of Financial Support*
- 4) Official transcripts of academic records
- 5) Appropriate test scores (TOEFL or IELTS, GRE, GMAT)

*Download these forms by visiting the website at www.humboldt.edu/international/apply/undergraduate (for undergraduate applicants) or www.humboldt.edu/international/apply/graduate (for graduate applicants).

NOTE: 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 /197 computer-based/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 /213 computer-based/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 California 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. Students who have not obtained the above minimum scores may be interested in attending the International English Language Institute (IELI) located on the HSU campus (www.humboldt.edu/ielii).

Minimum Test Scores

Test Name	Undergraduate	Graduate
TOEFL (Internet)	71	80
TOEFL (Paper)	525	550
TOEFL (Computer)	197	213
IELTS	6.0	6.5
EIKEN	Pre-1	1
Kaplan	Advanced Level	Advanced Level
MELAB	76	78
Cambridge English Exams	CAE, CPE	CPE
ILSC	Graduation from University Pathway Program	Graduation from University Pathway Program
SAT	500 on Verbal/Critical Reading	500 on Verbal/Critical Reading
ELS	Successful Completion of Level 112	Successful Completion of Level 112

Estimated Expenses for International Students. Undergraduate international students are required to pay nonresident tuition of \$372 per unit in addition to registration fees. All MBA students, international and American, must also pay a Professional Program Fee of \$254 per unit (\$626 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 Estimated Yearly Costs chart for more information.

A minimum of \$4,000.00 is required for modest living expenses during the summer vacation period.

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

The figures in the chart are based upon enrollment in a minimum of 12 units per semester for undergraduates and 9 units per semester for graduates, as required by the US Citizenship and Immigration Services. MBA fees are estimated on 12 units, as required by the program.

Registration fees are \$372 per unit; therefore, the chart calculates \$372 x 24 units for undergraduate and MBA students for one academic year. For graduate students the calculation is \$372 x 18 units for one academic year. Estimates do not include the fees or living expenses for any summer courses except the MBA program.

Certification of Financial Support. All *international students* must submit evidence of financial ability to meet minimum costs at HSU 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 HSU. The Certification must be signed by you and, if appropriate, your sponsor. Original documents are required: faxes and photocopies will not be accepted.

Undergraduate students may apply for one of the few highly competitive International Intern positions only after completing a minimum of one year of full-time study at HSU in addition to maintaining immigration status and the required academic standards of the

Estimated Yearly Costs for International Students			
August - May			
	Undergraduate	Graduate	MBA Graduate*
Tuition	\$7,132	\$8,398	\$16,350
Registration Fees	8,928	6,696	8,928
Health Insurance	700 (est.)	700 (est.)	700 (est.)
Books and Supplies	1,544	1,544	2,316
Room, Board, and Transportation	11,968	11,968	12,816
Incidental Expenses (laundry, clothing, etc.)	2,744	2,744	3,354
TOTAL	\$33,016	\$32,050	\$44,464

*Estimated costs for the MBA program includes a summer term (academic year August - July)

university. Applicants are required to submit a written application and appear for a formal interview. Students who are selected for an available position will have a portion of the nonresident tuition fees waived in exchange for hours of service per semester. Positions may not be available every semester.

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 Humboldt State University.

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 aver-

age 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 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 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 math concepts with minimum 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 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 lettered subdivisions:

a) The applicant holds an acceptable baccalaureate degree earned at an institution accredited by a regional accrediting association, or the applicant has completed equivalent academic preparation as determined by the appropriate campus authority; **and**

b) 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;

c) 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.

Upon registering for classes at HSU, you will be assessed fees for the "CSUHealthLink" policy (administered by Wells Fargo of California Insurance Services, and underwritten by Anthem Blue Cross) which meets/exceeds California State University coverage requirements. Benefits covered by the CSUHealthlink policy can be found at www.csuhealthlink.com and a brochure can be downloaded from this website.

Contact Information:

Humboldt State University
Center for International Programs
1 Harpst Street
Arcata, CA 95521-8299 USA

Telephone: 1-707-826-4142

Fax: 1-707-826-3939

Email: international@humboldt.edu

Web: www.humboldt.edu/international

English as a Second Language (ESL): the International English Language Institute

A student whose English does not meet the Test of English as a Foreign Language (TOEFL) or the International English Language Testing System (IELTS) test requirements may enroll in a program of intensive English study on campus. The curriculum is designed for students preparing to enter an American college or university or for professionals who want to improve their English.

Only English is spoken in this intensive program. Students immerse themselves in reading, writing, speaking, and listening classes (approximately 25 hours per week plus homework and assignments).

Intensive English students qualifying for the IELI Bridge Program may take a selected academic course as part of their ESL course load.

Tuition for each eight-week session is currently \$2,325, fees are \$150, and student health insurance is \$157. Prices are subject to change.

For information, write to IELI, Humboldt State University, 1 Harpst Street, Arcata, CA 95521-8299, or call 707-826-3555. Fax: 707-826-3939. Email: ieli@humboldt.edu. Web: www.humboldt.edu/ieli.

HSU Study California (SC). HSU Study California is for students interested in studying at HSU 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 HSU through the HSU Study California program may appear on an official transcript and transferred to students' home universities. Students may be enrolled in the HSU SC program for a maximum of 2 semesters (1 year). Students must receive a minimum GPA of 2.0 during their first term to continue to the next session. Admission requirements for HSU SC are the same as requirements for the undergraduate or graduate level. More information can be found here: www.humboldt.edu/international/apply/study-california.

Intrasystem & Intersystem Enrollment Programs

Students enrolled at any CSU campus have access to courses at other CSU campuses on a space-available basis unless those campuses or programs are impacted or admission to the desired program or admission categories are closed. This access is offered without students being admitted formally to the host campus and sometimes without paying additional fees. Although courses taken on any CSU campus will transfer to the student's home CSU campus as elective credit, 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 avail-

able from the Office of the Registrar, SBS 133, 707-826-4101.

CSU Concurrent Enrollment. Matriculated students in good standing may enroll on a space-available basis at both their home CSU campus and a host CSU campus during the same 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. Many online courses at CSU campus are available for concurrent enrollment. Financial aid can only be received at one campus.

CSU Visitor Enrollment. Matriculated students in good standing enrolled at one CSU campus may enroll on a space-available basis 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 & Health Screening

New and readmitted HSU students are required to provide to the Student Health Center before the beginning of their first term of enrollment:

1. Valid proof of immunity to Measles, Rubella, and Hepatitis B; and
2. A completed Student Health Center Registration and Consent form (available online at the Student Health Center website).

Please do not email these documents. These items can be mailed, faxed, or brought to the Student Health Center. Forms and more information are available at www.humboldt.edu/health. Necessary immunizations may be obtained from your personal physician, the County Health Department, or the Student Health Center.

Measles and Rubella. All Humboldt State students, whether new or continuing, who were born after January 1, 1957, are required to present proof of measles and rubella (German measles) immunizations. This means two doses of vaccine after age one. In addition, proof of measles and rubella immunizations may be required for certain groups of enrolled students, regardless of age, who have increased exposure to these diseases. These groups include: students who reside in campus housing; students

enrolled in dietetics, medical technology, or any practicum or fieldwork studies which involve preschool and school age children; and students whose primary and secondary schooling were outside the United States. Vaccine is available for a charge at the Student Health Center.

Hepatitis 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 month period. Vaccine is available for a charge at the Student Health Center.

Meningitis. The Student Health Center recommends that entering students consider vaccination against meningococcal disease. Each incoming freshman who will be residing in on-campus housing will be required to return a form indicating that they have received information about meningococcal disease and the availability of the vaccine to prevent contracting the disease and indicating whether or not the student has chosen to receive the vaccination. Vaccine is available at cost through the Student Health Center, though may also be obtained through Public Health and personal health providers.

Varicella. Though not required, a second dose of chicken pox vaccine is highly recommended for those who have had one dose of vaccine and have not had chicken pox disease.

Tdap (Tetanus, Diphtheria, adult Pertussis). This vaccine is not required, but students are urged to get inoculated when their next tetanus shot is due in order to boost immunity to Pertussis (whooping cough).

Avoid a Registration Hold. Failure to provide proof of immunization will result in the student not being allowed to register for a second semester. These are not admission requirements, but are required of students as conditions of enrollment in CSU.

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.

ACADEMIC REGULATIONS

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 Humboldt State; 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.

Conditions. In order to qualify for academic renewal, students must meet all of the conditions established by the Trustees:

- This policy can be applied only if students have met all graduation requirements except GPA.
- AND 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.
- AND 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.
- AND five years must have elapsed since the term or terms to be disregarded. Terms taken at any institution may be disregarded.
- AND since completing the term(s) to be disregarded, the student must have completed at least one of the following in regard to Humboldt State 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
- AND the student's grade point average remains below 2.0 for the major, Humboldt State, or overall.

Students who believe they are eligible should file a Petition of the Student with the Registrar through the Office of the Registrar (SBS 133).

Academic Standing

Good Standing. *Undergraduate* students whose Humboldt State cumulative grade point average (GPA) and overall GPA are 2.0 or above are considered in good academic standing. *Graduate* students whose Humboldt State 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).

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

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

NOTE: 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.

- **Graduate** students, including those who are classified or conditionally classified, and credential seeking students will be placed on academic probation if their Humboldt State 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 Humboldt State is below a 3.0 for a second consecutive term, the student will be academically disqualified.

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 HSU are not eligible to enroll in coursework through eLearning and Extended Education.

For undergraduate and unclassified post-baccalaureate students:

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

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

Second DQ: 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 DQ: No option to reapply to HSU. May complete coursework elsewhere and reapply to a different CSU campus.

For graduate and credential students:

First DQ: 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 DQ: 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. Humboldt State reserves the right to accept applications for

disqualified students during specified application terms only. Please contact the Office of Admissions for more information.

Third DG: No option to reapply to HSU. May complete coursework elsewhere and reapply to a different CSU campus.

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 Humboldt State 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 the Veterans Certification Officer, LL 58, for information regarding veterans educational benefit criteria.

Contact the Financial Aid Office, SBS 231, for information regarding satisfactory academic progress standards for financial aid recipients.

Add/Drop (see Schedule Adjustments)

Attendance

Humboldt State University expects attendance at every class meeting. Students who have been absent from a class or lab session within the first week of instruction without notifying the instructor before the absence may be dropped from the course 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 officially dropping the course via the web. Failure to drop the course officially will result in a grade of "WU" or "F" being submitted by the instructor. (A "WU" is a withdrawal unauthorized which is computed in your GPA the same as an "F" grade.)

Advisor Change

Requests for an advisor change are made by filling out an Advisor Change form obtained from the Office of the Registrar (SBS 133), or online at www.humboldt.edu/registrar/forms.

Auditing a Course

A student must petition the Office of the Registrar to audit a class. 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).

Humboldt permits students to audit only after those otherwise eligible to enroll on a credit basis have had opportunity to do so. The same fee structure applies as for credit students. Regular class attendance is expected.

There is no limit to the number of courses a student can petition to audit within a term. You should register for the course to be audited prior to the deadline to add courses (see the Calendar of Activities and Deadlines in the *Registration Guide*).

Use an Audit Petition to obtain the signature/approval of the instructor of the course you wish to audit. Forms are available in the Office of the Registrar, SBS 133, or online at www.humboldt.edu/registrar/forms. Courses audited must be paid for following the same fee structure as courses in which a student is normally enrolled.

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 Humboldt State University are listed in the *Schedule of Classes*. Humboldt State reserves the right to cancel, postpone, divide, change the time of, combine scheduled classes, and/or change instructors.

Catalog Rights & Continuous Enrollment

A student's catalog rights are based on when and where you begin college and how long you have been "continuously enrolled." 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 Humboldt State University 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.

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

Class Level

Students are *classified* according to the number of semester units completed:

- Freshmen fewer than 30 units
- Sophomores 30 to 59.9 units
- Juniors 60 to 89.9 units
- Seniors 90 or more units

Commencement

Graduation ceremonies take place on the Saturday following spring semester final exams. Each college hosts its own ceremony. These are the only ceremonies taking place during the academic year.

Credit by Examination

External Credit By Exam. Humboldt State may grant credit for passing scores on external examinations such as Advanced Placement (AP), CLEP, DSST, EEE, 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.

The number of units awarded and how they meet specific academic requirements are provided in the proceeding charts. If the content covered by an examination duplicates other credit awarded, the units will be adjusted from the amount indicated.

Challenging A Course At HSU. 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 for which 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 Humboldt State. 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.

Advanced Placement Exam	Minimum Score	Total Credit in Semester Units	Course Distribution ⁹			
			GE Assignment and/or Course Equivalency	Units	Elective/Course/Additional GE Credit	Units
Art History	3, 4, or 5	6	Arts or Humanities	3	Elective	3
Art Studio - 2-D Design	3, 4, or 5	6	Arts (ART 105C)	3	Elective	3
Art Studio - 3-D Design	3, 4, or 5	6	Arts (ART 109)	3	Elective	3
Art Studio - Drawing	3, 4, or 5	6	Arts	3	Elective	3
Biology	3	6	Life Forms with lab (BIOL 104)	3	Elective	3
Biology ¹⁰	4 or 5	6	Life Forms with lab (BIOL 105)	4	Elective	2
Calculus AB ^{1,12}	3, 4, or 5	6	Mathematical Concepts & Quantitative Reasoning (MATH 109)	4	Elective	2
Calculus AB Subgrade ^{1,12}	3, 4, or 5	6	Mathematical Concepts & Quantitative Reasoning (MATH 109)	4	Elective	2
Calculus BC ^{1,11}	3, 4, or 5	6	Mathematical Concepts & Quantitative Reasoning (MATH 109)	3	MATH 110	3
Chemistry ¹⁰	3, 4, or 5	6	Physical Universe with lab	4	Elective	2
Chinese Language and Culture	3, 4, or 5	6	Humanities	3	Elective	3
Computer Science A ²	3, 4, or 5	6	CS 111	4	Elective	2
Computer Science AB ²	3, 4, or 5	6	CS 111	4	Elective	2
Economics - Macro ³	3, 4, or 5	6	Economics	3	Elective	3
Economics - Micro ³	3, 4, or 5	6	Economics	3	Elective	3
English Language/Composition ⁴	3, 4, or 5	6	Written Communication (ENGL 104)	3	Elective	3
English Literature/Composition ⁴	3, 4, or 5	6	Written Communication (ENGL 104)	3	Humanities	3
Environmental Science (through SU09) ⁶	3	6	Interdisciplinary Social or Behavioral Science	3	Life Forms with lab or Physical Universe with lab	3
Environmental Science (through SU09) ⁶	4 or 5	6	Interdisciplinary Social or Behavioral Science (EMP 105)	3	Life Forms with lab or Physical Universe with lab	3
Environmental Science (effective F09) ⁶	3, 4, or 5	6	Interdisciplinary Social or Behavioral Science (EMP 105)	3	Physical Universe with lab/ENVS 110	3
French Language	3, 4, or 5	6	Humanities	3	Elective	3
French Literature	3, 4, or 5	6	Humanities	3	Elective	3
Geography - Human	3, 4, or 5	6	Geography (GEOG 105)	3	DCG-N*	3
German Language	3, 4, or 5	6	Humanities	3	Elective	3
Government / Politics Europe	3, 4, or 5	6	Political Science, Government & Legal Institutions	3	Elective	3
Government / Politics U.S. ⁸	3, 4, or 5	6	Political Science, Government & Legal Institutions (INST 2)	3	Elective	3
Government & Political Comp.	3, 4, or 5	6	Political Science, Government & Legal Institutions	3	Elective	3
History - European	3, 4, or 5	6	History or Humanities	3	Elective	3
History - U.S. ⁸	3	6	History (INST 1) or Humanities	3	Elective	3
History - U.S. ⁸	4 or 5	6	History/HIST 110 or HIST 111 (INST 1) or Humanities	3	Elective	3
History - World	3	6	History or Humanities	3	Elective	3
History - World ⁷	4 or 5	6	History (HIST 107 & HIST 108) or Humanities	3	(HIST 109 or HIST 109B) see footnote	3
Italian Language and Culture	3, 4, or 5	6	Humanities	3	Elective	3
Japanese Language and Culture	3, 4, or 5	6	Humanities	3	Elective	3
Latin - Literature	3, 4, or 5	6	Humanities	3	Elective	3
Latin - Virgil	3, 4, or 5	6	Humanities	3	Elective	3
Music - Listening/Lit.	3, 4, or 5	6	Arts	3	Elective	3

* Diversity & Common Ground - Non-Domestic

Advanced Placement Exam	Minimum Score	Total Credit in Semester Units	Course Distribution ⁹			
			GE Assignment and/or Course Equivalency	Units	Elective/Course/Additional GE Credit	Units
Music Theory	3, 4, or 5	6	Arts	3	Elective	3
Physics 1 ^{5,10}	3, 4, or 5	6	Physical Universe with lab	4	Elective	2
Physics 2 ^{5,10}	3, 4, or 5	6	Physical Universe with lab	4	Elective	2
Physics C - Elect./Magn. ^{5,10}	3, 4, or 5	6	Physical Universe with lab	4	Elective	2
Physics C - Mechanics ^{5,10}	3, 4, or 5	6	Physical Universe with lab	4	Elective	2
Psychology	3, 4, or 5	6	Psychology (PSYC 104)	3	Elective	3
Spanish Language	3, 4, or 5	6	Humanities	3	Elective	3
Spanish Literature	3, 4, or 5	6	Humanities	3	Elective	3
Statistics	3, 4, or 5	6	Mathematical Concepts & Quantitative Reasoning (STAT 109 or STAT 106 or STAT 108)	3	Elective	3

NOTE: A student may take an unlimited number of Advanced Placement exams and apply all to the baccalaureate degree.

- ¹ If a student passes more than one exam in calculus, only 9 units may be applied to the baccalaureate degree.
- ² If a student passes more than one exam in computer science, only 6 units may be applied to the baccalaureate degree.
- ³ If both Macroeconomics and Microeconomics are passed, 12 units will be applied to the baccalaureate degree and will be distributed thusly: 3 units Economics, 4 units ECON 210, 5 units elective.
- ⁴ If a student passes both exams in English, only 9 units may be applied to the baccalaureate degree and will be distributed thusly: 3 units Written Communication (ENGL 104), 3 units Humanities, and 3 units elective.
- ⁵ If a student passes more than one exam in Physics, only 6 units may be applied to the baccalaureate degree.
- ⁶ The Chancellor's Office allows credit in Life Forms or Physical Universe if the Environmental Science exam was taken Summer 2009 or earlier. Effective Fall 2009, credit is awarded to Physical Universe only. Adjustments to this policy require a petition to the Registrar. Contact the Registrar's Office for further information.
- ⁷ A total of six units/two courses chosen from: HIST 107, HIST 108, HIST 109, HIST 109B. Humanities may be awarded in lieu of the previous courses. Contact the Registrar's Office for further information.
- ⁸ Does not meet the California State and Local Government degree requirement. INST 1 meets the US History requirement, INST 2 meets the US Constitution requirement.
- ⁹ When a course is an approved general education course and a course equivalency also exists, usually units are first routed to general education, then course content for the equivalent course is met. Example: Psychology: 6 units distributed thusly: 3 units to PSYC 104 and 3 elective units. PSYC 104 is an approved general education course and will automatically be routed to general education Psychology.
- ¹⁰ Redistribution of units effective Fall 2010 (increase GE units from 3 to 4).
- ¹¹ A maximum of 6 units is allowed for each Advanced Placement exam, therefore, in this case, the units have been distributed evenly between the designated HSU courses.
- ¹² Redistribution of units effective Fall 2013 (increase GE units from 3 to 4).

CLEP Examination	Minimum Score	Total Credit in Semester Units	Course Distribution ⁶			
			GE Assignment and/or Course Equivalency	Units	Elective/Course/Additional GE Credit	Units
American Government	50	6	Political Science, Government & Legal Institutions	3	Elective	3
American Literature	50	6	Humanities	3	ENGL 232	3
Analyzing & Interpreting Literature	50	6	Humanities (ENGL 105)	3	Elective	3
Biology	50	6	Life Forms with lab (BIOL 105)	4	Elective	2
Calculus ¹	50	6	Mathematical Concepts & Quantitative Reasoning (MATH 109)	4	Elective	2
Chemistry ²	50	3	Physical Universe without lab	3		
College Algebra	50	3	Mathematical Concepts & Quantitative Reasoning	3		
College Algebra - Trigonometry	50	6	Mathematical Concepts & Quantitative Reasoning	3	Elective	3
College Composition	50 with pass on essay	3			Elective	3
College Comp Modular	50 with pass on essay	3			Elective	3

CLEP Examination	Minimum Score	Total Credit in Semester Units	Course Distribution ⁶			
			GE Assignment and/or Course Equivalency	Units	Elective/Course/Additional GE Credit	Units
College Mathematics	50	6	Mathematical Concepts & Quantitative Reasoning (MATH 103)	3	Elective	3
English Literature	50	6	Humanities/ENGL 230	3	ENGL 231	3
Financial Accounting	50	3			Elective	3
French Level I ⁸	50	6	Humanities (FREN 106)	3	FREN 105	3
French Level II ^{7,8}	59	6	Humanities (FREN 107/DCG-N*)	3	FREN 207/DCG-N*	3
German Level I ⁸	50	6	Humanities (GERM 106)	3	GERM 105	3
German Level II ^{7,8}	60	6	Humanities (GERM 107)	3	GERM 207	3
History of U.S. I ^{5,7}	50	6	History/HIST 110 (INST 1)	3	Elective	3
History of U.S. II ^{5,7}	50	6	History/HIST 111 (INST 1)	3	Elective	3
Human Growth & Development	50	6	Lifelong Understanding & Integration of Self	3	Elective	3
Humanities	50	3	Humanities	3		
Info Systems & Computer Applications	50	6			Elective	6
Intro Business Law ⁹	50	6	BA 210	4	Elective	2
Intro Educational Psychology	50	6			Elective	6
Intro Psychology	50	6	Psychology (PSYC 104)	3	Elective	3
Intro Sociology	50	6	Sociology & Criminology (SOC 104)	3	Elective	3
Natural Sciences	50	6	Life Forms with lab (BIOL 104)	3	Elective	3
Pre-Calculus	50	6	Mathematical Concepts & Quantitative Reasoning/MATH 115	4	Elective	2
Principles of Accounting	50	3			Elective	3
Principles of Macroeconomics ³	50	6	Economics	3	Elective	3
Principles of Microeconomics ³	50	6	Economics	3	Elective	3
Principles of Management	50	6	BA 370	6		
Principles of Marketing	50	6	BA 340	6		
Social Science/History	50	6	Sociology & Criminology	3	Elective	3
Spanish Level I ⁸	50	6	Humanities (SPAN 106)	3	SPAN 105	3
Spanish Level II ^{7,8}	63	6	Humanities (SPAN 107/DCG-N*)	3	SPAN 207/DCG-N*	3
Trigonometry	50	6	Mathematical Concepts & Quantitative Reasoning	3	Elective	3
Western Civilization I ⁷	50	6	History (HIST 104) or Humanities	3	Elective	3
Western Civilization II ⁷	50	6	History (HIST 105)	3	Elective	3

NOTE: A maximum of 30 units of external exams (excluding AP and IB) will count toward degree requirements.

¹ Minimum score for Calculus increased from 50 to 51 effective Fall 2009. Reduced to 50 Fall 2010.

² Chemistry approved effective Fall 2009. Minimum score increased from 48 to 50 Fall 2010.

³ If both Principles of Macroeconomics and Principles of Microeconomics are passed, 12 units will be applied to the baccalaureate degree and will be distributed thusly: 3 units Economics, 4 units ECON 210, 5 units elective.

⁵ INST 1 meets the US History requirement.

⁶ When a course is an approved general education course and a course equivalency also exists, usually units are first routed to general education, then course content for the equivalent course is met. Example: Psychology: 6 units distributed thusly: 3 units to PSYC 104 and 3 elective units. PSYC 104 is an approved general education course and will automatically be routed to general education Psychology.

⁷ Reduction in minimum score effective Fall 2010.

⁸ A maximum of 6 units is allowed for each CLEP exam, therefore, in this case, the units have been evenly distributed between the designated HSU courses.

⁹ Redistribution of units effective Fall 2013 (increase units for BA 210 from 3 to 4).

* Diversity & Common Ground - Non-Domestic

DSST Examination	Minimum Score	Total Credit in Semester Units	Course Distribution			
			GE Assignment and/or Course Equivalency	Units	Elective/Course/Additional GE Credit	Units
Art of the Western World	48	3	Arts (ART 103)	3		
Business Ethics & Society	400	3			Elective	3
Business Law II	44	3	BA 210	3		
Criminal Justice	49 or 400	3			Elective	3
Environment and Humanity	46	3	Interdisciplinary Social or Behavioral Science (EMP 105)	3		
Ethics in America	46 or 400	3	Humanities (PHIL 106)	3		
Foundations of Education	46	3	EDUC 110	3		
Fundamentals of College Algebra	50 or 400	3	MATH 44 ¹	3		
General Anthropology	47	3	Anthropology	3		
Here's To Your Health	48 or 400	3	Lifelong Understanding & Integration of Self (HED 400)	3		
Human/Cultural Geography	48	3	Geography (GEOG 105/DCG-N*)	3		
Human Resources Management	46	3	BA 370	3		
Intro to Business	46 or 400	3	BA 110	3		
Lifespan Developmental Psychology	46 or 400	3			Elective	3
Modern Middle East	47	3	History	3		
Money and Banking	48	3	ECON 435	3		
Organizational Behavior	48	3	BA 370 or BA 470	3		
Personal Finance	46 or 400	3			Elective	3
Physical Geology	46	3	Physical Universe without lab ²	3		
Principles of Finance	46 or 400	3	BA 360	3		
Principles of Financial Acct	47	3	BA 250	3		
Principles of Public Speaking	47 with pass on oral exam	3	Oral Communication (COMM 100)	3		
Principles of Statistics	50 or 400	3	Mathematical Concepts & Quantitative Reasoning (MATH 103)	3		
Principles of Supervision	46 or 400	3	BA 370	3		
Substance Abuse	49 or 400	3			Elective	3
Technical Writing	46	3			Elective	3
World Religions	48 or 400	3	Humanities (RS 105/DCG-N*)	3		

NOTE: A maximum of 30 units of external exams (excluding AP and IB) will count toward degree requirements.

¹ MATH 44: Remedial course, units will not count toward degree credit.

² A passing score of 46 on the Physical Geology exam meets GEOL 109 lecture content without the lab, satisfying general education Physical Universe without lab. One unit of GEOL 399 must be taken to earn credit for both lecture and lab requirements of GEOL 109.

³ HIST 106 is no longer offered at HSU.

EEE Examination	Minimum Score	Total Credit in Semester Units	Course Distribution ¹			
			GE Assignment and/or Course Equivalency	Units	Elective/Course/Additional GE Credit	Units
EEE	n/a	6	Written Communication (ENGL 104)	3	Elective	3

NOTE: A maximum of 30 units of external exams (excluding AP and IB) will count toward degree requirements.

¹ When a course is an approved general education course and a course equivalency also exists, usually units are first routed to general education, then course content for the equivalent course is met. Example: EEE: 6 units distributed thusly: 3 units to ENGL 104 and 3 elective units. ENGL 104 is an approved general education course and will automatically be routed to general education Written Communication.

* Diversity & Common Ground - Non-Domestic

International Baccalaureate Exam HL = Higher Level SL = Standard Level	Minimum Score ¹	Total Credit in Semester Units	Course Distribution ⁴			
			GE Assignment and/or Course Equivalency	Units	Elective/Course/Additional GE Credit	Units
Anthropology, Social & Cultural, HL	4, 5, 6, or 7	6	Anthropology (ANTH 104)	3	Elective	3
Anthropology, Social & Cultural, SL	4, 5, 6, or 7	3	Anthropology	3		
Biology HL ³	4, 5, 6, or 7	6	Life Forms with lab	3	Elective	3
Biology SL	4, 5, 6, or 7	3	Life Forms with lab	3		
Business & Management HL	4, 5, 6, or 7	6	BA 110	3	Elective	3
Business & Management SL	4, 5, 6, or 7	3			Elective	3
Chemistry HL ³	4, 5, 6, or 7	6	Physical Universe with lab	3	Elective	3
Chemistry SL	4, 5, 6, or 7	3	Physical Universe without lab	3		
Classical Languages HL ⁵	4, 5, 6, or 7	6	Humanities	3	Elective	3
Classical Languages SL	4, 5, 6, or 7	3	Humanities	3		
Computer Science HL	4, 5, 6, or 7	6	Critical Thinking (CS 100)	3	Elective	3
Computer Science SL	4, 5, 6, or 7	3	Critical Thinking (CS 100)	3		
Dance HL	4, 5, 6, or 7	3	Arts	3		
Dance SL	4, 5, 6, or 7	3	Arts	3		
Design Tech (Engineering) HL	4, 5, 6, or 7	6	ENGR 215	3	Elective	3
Design Tech (Engineering) SL	4, 5, 6, or 7	3			Elective	3
Economics HL	4, 5, 6, or 7	6	Economics (ECON 104)	3	Elective	3
English AI HL ²	4, 5, 6, or 7	7	Written Communication (ENGL 104)	3	Oral Communication & Humanities (ENGL 105)	3 1
English AI SL	4, 5, 6, or 7	3	Written Communication (ENGL 104)	3		
Environmental Systems SL	4, 5, 6, or 7	3	ENGR 115	3		
Film HL	4, 5, 6, or 7	3	Arts	3		
Film SL	4, 5, 6, or 7	3	Arts	3		
French ab initio SL	4, 5, 6, or 7	3	Humanities	3		
French A Literature HL ⁵	4, 5, 6, or 7	6	Humanities	3	Elective	3
French A Literature SL	4, 5, 6, or 7	3	Humanities	3		
French A Language & Literature HL ⁵	4, 5, 6, or 7	6	Humanities	3	Elective	3
French A Language & Literature SL	4, 5, 6, or 7	3	Humanities	3		
French B HL ⁵	4, 5, 6, or 7	6	Humanities	3	Elective	3
French B SL	4, 5, 6, or 7	3	Humanities	3		
Further Mathematics SL	4, 5, 6, or 7	3	Mathematical Concepts & Quantitative Reasoning	3		
Geography HL	4, 5, 6, or 7	6	Geography (GEOG 105)	3	DCG-N*	3
Geography SL	4, 5, 6, or 7	3	Geography	3		
German ab initio SL	4, 5, 6, or 7	3	Humanities	3		
German A Literature HL ⁵	4, 5, 6, or 7	6	Humanities	3	Elective	3
German A Literature SL	4, 5, 6, or 7	3	Humanities	3		
German A Language & Literature HL ⁵	4, 5, 6, or 7	6	Humanities	3	Elective	3
German A Language & Literature SL	4, 5, 6, or 7	3	Humanities	3		
German B HL ⁵	4, 5, 6, or 7	6	Humanities	3	Elective	3
German B SL	4, 5, 6, or 7	3	Humanities	3		
History (any region) HL	4, 5, 6, or 7	6	History or Humanities	3	Elective	3
History (any region) SL	4, 5, 6, or 7	3	History	3		
Info Tech in a Global Society HL	4, 5, 6, or 7	6	Geography	3		

International Baccalaureate Exam HL = Higher Level SL = Standard Level	Minimum Score ¹	Total Credit in Semester Units	Course Distribution ⁴			
			GE Assignment and/or Course Equivalency	Units	Elective/Course/Additional GE Credit	Units
Info Tech in a Global Society SL	4, 5, 6, or 7	3	Geography	3		
Islamic History HL	4, 5, 6, or 7	6	History	3	Elective	3
Islamic History SL	4, 5, 6, or 7	3	History	3		
Language HL (any)	4, 5, 6, or 7	6	Humanities	3	Elective	3
Language SL (any)	4, 5, 6, or 7	3	Humanities	3		
Mathematics HL ⁵	4, 5, 6, or 7	6	Mathematical Concepts & Quantitative Reasoning	3	Elective	3
Mathematics SL	4, 5, 6, or 7	3	Mathematical Concepts & Quantitative Reasoning	3		
Mathematical Studies SL	4, 5, 6, or 7	3	Mathematical Concepts & Quantitative Reasoning (MATH 103)	3		
Music HL	4, 5, 6, or 7	3	Arts	3		
Music SL	4, 5, 6, or 7	3	Arts	3		
Philosophy HL	4, 5, 6, or 7	6	Critical Thinking	3	PHIL 107	3
Philosophy SL	4, 5, 6, or 7	3	Humanities (PHIL 107)	3		
Physics HL ³	4, 5, 6, or 7	6	Physical Universe with lab	3	Elective	3
Physics SL	4, 5, 6, or 7	3	Physical Universe with lab	3		
Psychology HL	4, 5, 6, or 7	6	Psychology (PSYC 104)	3	Elective	3
Psychology SL	4, 5, 6, or 7	3	Psychology	3		
Spanish ab initio SL	4, 5, 6, or 7	3	Humanities	3		
Spanish A Literature HL ⁵	4, 5, 6, or 7	6	Humanities	3	Elective	3
Spanish A Literature SL	4, 5, 6, or 7	3	Humanities	3		
Spanish A Language & Literature HL ⁵	4, 5, 6, or 7	6	Humanities	3	Elective	3
Spanish A Language & Literature SL	4, 5, 6, or 7	3	Humanities	3		
Spanish B HL ⁵	4, 5, 6, or 7	6	Humanities	3	Elective	3
Spanish B SL	4, 5, 6, or 7	3	Humanities	3		
Theatre HL	4, 5, 6, or 7	6	Arts	3	Elective	3
Theatre SL	4, 5, 6, or 7	3	Arts	3		
Visual Arts HL	4, 5, 6, or 7	6	Arts (ART 105B)	3	ART 105C	3
Visual Arts SLA	4, 5, 6, or 7	3	Arts (ART 105B)	3		
Visual Arts SLB	4, 5, 6, or 7	3	Arts (ART 105B)	3		
World Religions	4, 5, 6, or 7	3	Humanities	3		

NOTE: A student may take an unlimited number of International Baccalaureate exams and apply all to the baccalaureate degree.

¹ Prior to summer 2007 a score of 5, 6, or 7 was required for HL exams.

² Course content for ENGL 105 is fully met if exam was passed summer 2007 or later. Contact the Registrar's Office for further information.

³ Units increased from 3 to 6 effective Fall 2009 for HL Biology, Chemistry, Physics.

⁴ When a course is an approved general education course and a course equivalency also exists, usually units are first routed to general education, then course content for the equivalent course is met. Example: Psychology HL: 6 units distributed thusly: 3 units to PSYC 104 and 3 elective units. PSYC 104 is an approved general education course and will automatically be routed to general education Psychology.

⁵ Units increased from 3 to 6 effective Fall 2010 for HL Languages and Mathematics.

* Diversity & Common Ground - Non-Domestic

Military Service	Minimum Score	Total Credit in Semester Units	Course Distribution			
			GE Assignment and/or Course Equivalency	Units	Elective/Course/Additional GE Credit	Units
Basic Training (other than Marines)	n/a	4	Lifelong Understanding & Integration of Self	3	Elective	1
Basic Training (Marines)	n/a	8	Lifelong Understanding & Integration of Self	3	Elective	5

Credit for Non-Collegiate Instruction

Humboldt grants undergraduate degree credit for successful completion of non-collegiate instruction — either military or civilian — appropriate to the baccalaureate degree. Credit must be 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 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. Students are required to submit a military registry transcript to VETS.

Contact Veterans Enrollment & Transition Services to see about obtaining a military registry transcript or if you have questions about your military evaluation, 707-826-6272.

Credit Hour

As of July 1, 2011, federal law (Title 34, Code of Federal Regulations, Sections 600.2 and 600.4) requires all accredited institutions to comply with the federal definition of the credit hour. For all CSU degree programs and courses bearing academic credit, the “credit hour” is defined as “the amount of work represented in intended learning outcomes and verified by evidence of student achievement that is an institutionally established equivalency that reasonably approximates not less than:

- One hour of classroom or direct faculty instruction and a minimum of two hours of out-of-class student work each week for approximately fifteen weeks for one semester or trimester hour of credit, or ten to twelve weeks for one quarter hour of credit, or the equivalent amount of work over a different amount of time; or
- At least an equivalent amount of work as required in paragraph (1) 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.”

A credit hour is assumed to be a 50-minute period. In courses in which “seat time” does not apply, a credit hour may be measured by an equivalent amount of work, as demonstrated by student achievement.

Credit Limitations

Extension and Correspondence. Students may count no more than 24 semester units of extension or correspondence courses toward a bachelor’s degree. **NOTE:** These may not count toward the residency requirement.

Open University. Students may count no more than 24 semester units of Open University / Special Session courses toward a bachelor’s degree. No more than nine units of Open University / Special Session courses can apply toward a master’s degree (provided these courses are on the candidate’s approved master’s program).

Transfer Credit. No more than 70 semester units earned at an accredited community college may transfer to Humboldt State (California Code of Regulations, Title 5).

No more than six units earned in **intercollegiate athletics** may count toward graduation requirements. No more than two units of **intramural** courses may count toward graduation.

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.

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 Humboldt State will count toward a bachelor’s degree.

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 may take only one optional CR/NC course per semester at Humboldt State.

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-). 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, credit is equivalent to a passing grade (A, B, or B-). No credit is equivalent to a C+ or lower.

Although grades of CR and NC do not affect GPA calculation, some universities and many graduate schools interpret an NC grade as an F.

Disqualification (see Academic Standing)

Double 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:

- They file a major contract with each major program by the time they have completed 90 units.
- The major contracts 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 dean.

Drop/Add (see Schedule Adjustments)

Educational Leave (Leave of Absence)

Undergraduate students (in addition to post-baccalaureate students who are pursuing a certificate or bachelor’s degree) who plan on not attending Humboldt State University for a semester, can request a leave of absence or educational leave from the university if qualified.

A leave of absence may be requested for two terms, but may be extended for two additional terms (for a maximum of four terms) under special circumstances. For more information or to obtain an educational leave request, contact the Office of the Registrar (SBS 133), or go to www.humboldt.edu/registrar.

Graduate students, including those who are classified or conditionally classified, and credential seeking students, should request a leave of absence or educational leave from the university if they will not be attending HSU each semester. The request should be submitted to the Office of Academic Programs & Undergraduate/Graduate Studies, SH 217A.

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 apprised of registration information and deadlines for the term they are to return to Humboldt State, via their preferred email address.

NOTE: Students must keep their HSU preferred email address up-to-date. Humboldt State will be contacting them via email with important registration information after the leave has ended. Please see the following section on "Email Policy."

Email Policy

HSU email accounts are the officially recognized accounts for email communication between students and the university. All HSU students are responsible for checking their HSU email account for official communications. While students may elect to redirect messages sent to their official HSU email address to another address, those who redirect their email to another address do so at their own risk.

Having email lost as a result of redirection 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.

This policy does not preclude the university from utilizing other forms of communication, such as registered mail.

Enrollment Limitations

The CSU may impose unit limitations on a term-by-term basis. Check with the current *Registration Guide* at www.humboldt.edu/oaa/classes.shtml 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 twelve or more semester units, graduate students taking nine or more semester units, or post-baccalaureate students taking twelve or more semester units are enrolled full-time for student verification purposes.

Grades on the Web

You may view your student records online, including holds, term grades, addresses, and account information. Grades for fall semester are available in January; spring grades are available the end of May; summer grades are available the end of August. Grades are not sent by mail or email.

Grading Symbols

(See Grade Point System chart for specific grade point values.)

- A — Outstanding achievement**
- B — Very good, commendable achievement**
- C — Satisfactory achievement**
- D — Minimum performance**
- F — Failure without credit**

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

CR, Credit — satisfactory achievement of course requirements. Does not affect GPA calculation.

I, Incomplete — 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/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 a Petition of the Student). 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), or other grade as indicated by the instructor, 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.

NC, No Credit — indicates unsatisfactory achievement of course requirements. This grade is not used in grade point calculation, however, some universities and many graduate and professional schools interpret an NC grade as F.

RD, Report Delayed — 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 — 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

Grade Point System		
Grade	Grade Points	Included in GPA
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
NC	0.0	No
RD	0.0	No
RP	0.0	No*
W	0.0	No
WU	0.0	Yes

* Report in Progress in undergraduate level courses change to "F/NC" if not completed within one year.

* Report in Progress in master's theses courses change to "F/NC" if not completed within seven years.

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, Withdrawal — an authorized drop of the class within the allowed deadline. The symbol W indicates the student was permitted to drop the course after the fourth week of instruction with the approval of the instructor and department chair. It carries no connotation of quality of student performance and is not used in calculating grade point average. **NOTE:** If a student withdraws completely from 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 will only be permitted to withdraw from 18 semester units after the fourth week of instruction for a serious and compelling reason.

WU, Withdrawal Unauthorized — indicates that an enrolled student did not withdraw from the course and also failed to complete course requirements. It is used when, in the opinion of the instructor, completed assignments and/or course activities were insufficient to make normal evaluation of the academic performance possible. For purposes of grade point average this symbol is equivalent to an F and is included in grade point average.

symbol — following a grade indicates a remedial course. Remedial courses do not earn academic or degree credit.

Grade Appeals

(see "Grievance Procedure, Student" on page 279)

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 six 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 nine 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 in the Office of Academic Programs & Undergraduate/Graduate Studies, Siemens Hall 217A.

Graduation, Applying for

To graduate from Humboldt State University students must apply for graduation, which initiates a degree check. 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 (60 units), and it is strongly recommended they apply AT LEAST three semesters prior to their expected term of graduation. Early application ensures that students receive their degree checks in time for adequate planning and advising for the final semester(s) of enrollment. It is recommended that students pursuing master's degrees apply for graduation at least one semester before finishing all degree requirements. Please refer to the Calendar of Activities and Deadlines in the *Registration Guide* for application deadlines.

Bachelor's degree Applications for Graduation are available at the Office of the Registrar, SBS 133, and online at www.humboldt.edu/registrar. The Application for Graduation for master's students is available from the Office of Academic Programs & Undergraduate/Graduate Studies, SH 217A.

Students pursuing a bachelor's degree must accompany their Application for Graduation with a major contract approved by their major advisor and department chair (unless an approved major contract has already been sent to the Office of the Registrar). Students should make arrangements with their major advisor to obtain this contract.

Once the major contract is approved and the Application for Graduation form is filled out, students need to pay a graduation fee at Student Financial Services, SBS 285, and return the receipted Application For Graduation and the major contract to the Office of the Registrar.

Once the Application for Graduation is received, a degree check is prepared and sent to both student and advisor. The degree check summarizes how degree requirements have been satisfied and lists remaining requirements. 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.

Once the student has applied for graduation the student's name may be included as a candidate for graduation on lists for faculty approval, diploma ordering, and commencement booklet publication for the expected term of graduation (see the Calendar of Activities and Deadlines in the *Registration Guide*). Details regarding the May commencement ceremony are available online at www.humboldt.edu/commencement.

Once an undergraduate student has applied for graduation, the student is 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, a letter 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. To change a graduation date, students may download the printable Graduation Date Change Request available at www.humboldt.edu/registrar/forms.

Graduation with Distinction

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

Humboldt State University awards honors to undergraduate students at the time of graduation, based on the following criteria:

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

The overall grade point average (including both transfer and Humboldt State 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

Honors are printed on the diploma and on official HSU transcripts.

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

NOTE: Master's degree candidates are not awarded honors. See "Graduation with Distinction."

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 the Calendar for Activities and Deadlines found in the *Registration Guide* available online.

Holds

Holds can prevent registration, adding and dropping classes, receiving transcripts, obtaining grades, or graduating. It is recommended that students check their Student Center at www.humboldt.edu 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 campus portal at www.humboldt.edu/myhumboldt. Once logged in, click on Student Center. 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, remedial course work 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.

HSU Identification

HSU-ID Number. To assist in protecting students from identity theft, Humboldt State University has generated an identification number (HSU-ID) for each student. Students are encouraged to carry their valid HSU-ID card as various areas on campus will require that the HSU-ID card be swiped to obtain access or services. The HSU-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).

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

Social Security Number. Humboldt State uses the social security number to identify the student for purposes of financial aid eligibility and disbursement and the repayment of financial aid and other debts payable to the institution. The Internal Revenue Service 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 to help determine whether a student, or a person claiming a student as a dependent, may take credit or deduction to reduce federal income taxes. Many efforts are made to protect the privacy of this number.

ID Card. Students must have a picture taken in order to obtain a student identification card. An ID card is needed to use the library,

Student Health & Counseling Center, and various campus services, as well as to pick up financial aid checks, ride the local transit system, and obtain student discounts for campus events. ID pictures are taken in the campus ID Office, located in the library, Monday through Friday, 10:00 A.M. to 3:00 P.M. and Monday through Thursday, 6:00 P.M. to 9:00 P.M., or by appointment, call 707-826-5601. New students should contact the campus ID Office in the library regarding specific dates and times pictures will be taken at the beginning of each semester. The cost of the ID card is included in the registration fee the first term of enrollment at Humboldt State. There is a \$5 fee, payable at Student Financial Services, SBS 285, or the Housing cashier, if the ID card needs to be replaced. The receipt must be presented to the ID Office prior to having a new card made. For further information visit the ID Office website at library.humboldt.edu/circulation/id_cards.html.

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.

Forms for requesting a change of major, are available from the Office of the Registrar, or online at www.humboldt.edu/registrar/forms.

Major Change Policy: 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 changing majors after having earned 90 units are required to complete a new major contract before completing additional units beyond 90. 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 dean.

Minor, Declaring

Requests for declaring minors are made by filling out a Minor Declaration/Update form obtained from the Office of the Registrar (SBS 133), or online at www.humboldt.edu/registrar/forms.

Noncollegiate Instruction (see Credit for Noncollegiate Instruction)

Presidential Scholar

An undergraduate student who completes at least 12 graded (A-F) 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.

Probation (see Academic Standing)

Registration

Students register for classes online, from any computer with Internet access, at home or on campus.

Continuing students normally register in November for the spring semester and in April for the fall semester. New students, transfer students, and returning students have the opportunity to register before the beginning of the term. Students should refer to their admission letter and the online *Registration Guide* for more specific registration information.

Registration Holds

A hold is placed on a student's registration and schedule adjustment for a financial obligation greater than \$99 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.

Remedial Courses

Courses numbered 001-099 are remedial courses. These courses are designed to assist students in developing basic skills that are essential to successful university achievement. Units and grades earned will not count in the student's grade point average nor towards meeting graduation requirements. The # symbol following a grade indicates a remedial course on a student's HSU transcript.

Remediation

Basic skills in mathematics are vital to academic success at Humboldt. Some students are admitted to the university with a need for further development in this area, as measured by scores on the Entry Level Mathematics (ELM) exam.

In order to ensure academic success for all students, and in compliance with California State University regulations, Humboldt State University requires that all new students with ELM scores that indicate a need for remediation enroll in appropriate remedial classes their first term of attendance. Some students may need a sequence of remedial courses; these students must enroll in the

appropriate remedial course each term of attendance until remediation is satisfied. All remediation must be completed within one year from a student's first term of enrollment at Humboldt. Students who do not satisfactorily complete the required courses within one year are not eligible to continue at Humboldt. Satisfactory completion of remedial courses requires a grade of C- or higher. See "Early Start Program" in the Admissions section for more information.

Repeating Courses

Undergraduate students may repeat up to 16 units with grade forgiveness. With the exception of repeatable courses, undergraduate students may only repeat courses if they earned grades lower than a C. For the first 16 units of repeated courses, only the newer attempt calculates into the student's GPA. Undergraduate students may only repeat a course for grade forgiveness two times and each of these attempts counts toward the 16-unit maximum for repeats. 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 grade are included in the calculation of the student's GPA. Undergraduate students may not repeat more than 28 units of course work. This limit applies only to units completed at Humboldt State University.

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, ENVS 111 is 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.

Students should submit a petition to the Office of the Registrar, SBS 133, if special circumstances are involved. Repeating a Humboldt State 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 Humboldt State automatic repeat policy, the student needs approval of the department chair on a Student Petition.

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 State 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.

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.

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

Schedule Adjustments

Students may view an updated list of open, cancelled, and closed classes at www.humboldt.edu/oa/classes.shtml or by going to Humboldt's homepage at www.humboldt.edu and selecting Class Schedule from the Quick Links drop-down menu. Schedule adjustments may be made by using Student Center.

Adding Courses. During the first four 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 beginning the second week of instruction through the fourth week of instruction. A \$20 fee per course is assessed.

Courses cannot be added after the fourth week of classes (see "census" in the Calendar of Activities and Deadlines at www.humboldt.edu/oa/classes.shtml for deadline dates). After the fourth 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 four weeks of instruction, students may drop a class from their schedule via Student Center. After the first four weeks of classes, permission to withdraw with a documented serious and compelling reason must be approved. A \$20 fee per course is assessed.

Go to www.humboldt.edu/withdraw to start the process. 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 the Calendar of Activities and Deadlines in the *Registration Guide* for deadline dates: www.humboldt.edu/oaaclasses.shtml).

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.

Students should contact the Office of the Registrar to request permission to withdraw completely from the term.

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 HSU 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. Student must have an overall 2.00 grade point average at HSU.

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

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

A student may not concurrently earn two bachelor's degrees; for information on pursuing two majors, please see Double Major.

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.

Transferring to Another Institution

For specific requirements, students should consult with the institution to which they plan to transfer. Humboldt State is accredited by the Western Association of Schools and Colleges and by the State Board of Education. This ensures that institutions accredited by the same (or similar) boards will accept student credits.

Transcripts

Students may request a copy of their academic record or transcript by filing a transcript request form at the Office of the Registrar. The form can be printed from www.humboldt.edu/registrar or ordered by mail at the following address:

Office of the Registrar
Transcript Section
Humboldt State University
1 Harpst Street
Arcata CA 95521-8299

Transcript requests may also be faxed to 707-826-6194.

To avoid delays in processing, include:

- Student's current full name and all other prior names used
- Student's HSU-ID number or social security number
- Date of birth
- Beginning/ending dates of attendance
- Whether the current term's grades are to be included (when a transcript is ordered near the end of a term)
- Full address of the agency, college, or individuals to whom transcripts are to be sent (complete mailing addresses are required)
- Student's signature and date (authorizing release of records to the designee)
- The correct fee payment (or pay online)

The current fee is \$4 for the first copy, \$2 for each additional copy prepared at the same time (to a total of ten copies), and \$1 per copy over ten. Students may print unofficial copies of their HSU transcripts from Student Center.

Because of the volume of transcript requests, a delay of up to four weeks may occur after grades have been posted to the academic record. Requests are processed on a first-come, first-served basis.

The Office of the Registrar will accept requests to expedite service, such as preparing and mailing transcripts within 72 hours or preparing special certifications of graduation status prior to issuing a diploma. There are additional fees for expedited services. Requests for special handling will be accepted only if work volume permits. To request expedited service or special handling, call 707-826-4101. For more detailed instructions on how to order and pay for a transcript, please visit the transcript department's website at: www.humboldt.edu/registrar/transcripts.

Withdrawal from HSU

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 by stated dates will result in an obligation to pay fees (please see the Calendar of Activities and Deadlines in the *Registration Guide*) 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.

Any students who are anticipating the need to withdraw from Humboldt State are encouraged to discuss this with their academic advisor or with staff at the Office of the Registrar, SBS 133, 707-826-4101 or the Academic & Career Advising Center.

To start the withdrawal process, a student should go to the Office of the Registrar. A student who formally withdraws prior to the end of the fourth week of instruction will have only an appropriate date of withdrawal (no coursework) appear on the academic record for that term.

After the first four weeks of the semester, a request to withdraw with a documented serious and compelling reason must be approved. Go to www.humboldt.edu/withdraw to start the process. A date of withdrawal appears on the academic record and all coursework appears with a grade of "W" (withdrawal). A maximum of 18 units can be withdrawn throughout your career at Humboldt State University.

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 and the assignment of an incomplete grade is not practicable. Requests for course withdrawals during the final five weeks of the semester are seldom granted. Such withdrawals will not count towards the total of 18 permitted semester units of withdrawn courses.

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 Humboldt State the next semester may need to request a leave of absence or reapply to the university upon return. For more information please see the "Educational Leave" section of this catalog or contact the Office of the Registrar, 707-826-4101.

Financial Aid. Students who receive financial aid funds must consult with the Financial Aid Office prior to withdrawing from the university regarding any required return or repayment of grant or loan assistance received. If a student withdraws from the university, or ceases attendance, a portion of student financial assistance received may be considered unearned and must be returned to the program. Financial aid recipients will be billed for any unearned financial aid and resulting unpaid university charges.

Housing. Students who have paid for housing on campus should contact the Office of Housing and Dining Services, 707-826-3451 or housing@humboldt.edu concerning refunds.

NOTE: Students must check their HSU email address. Humboldt State University will contact students via this email address with important information (see "Email Policy" for more details).

Withdrawal Procedures for Students Mobilized for Active Duty. HSU 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 to complete the necessary paperwork and to start the process for refunds; in addition 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 HSU 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 HSU 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.

FEES & FINANCIAL AID

CSU Funding

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 2013/14 budget amounts were \$2,330,500,000 from state General Fund (GF) appropriations (not including capital outlay funding) and before adding \$16.3 million CalPERS retirement adjustment, \$1,539,029,000 from tuition fee revenue and after tuition fee discounts (forgone revenue), and \$408,305,000 from other fee revenues for a total of \$4,277,834,000. The number of 2013/14 FTES is 336,510 resident target and 14,328 non-resident students for a total of 350,838 FTES. The GF appropriation is applicable to resident students only whereas fee revenues are collected from resident and nonresident students. FTES is determined by dividing the total academic student load by 15 units per term (the figure used here to define a full-time student's academic load).

The 2013/14 average support cost per FTES based on GF appropriation and net tuition fee revenue only is \$11,312 and when including all sources as indicated below is \$12,476, which includes all fee revenue in the CSU Operating Fund (e.g. tuition fees, application fees, and other campus mandatory fees). Of this amount, the average net tuition and other fee revenue per FTES is \$5,551.

Fees

The **registration fee** includes the student body association fee; student body 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.

Credit Cards. Visa, MasterCard, Discover, and American Express credit cards may be used to pay fees through a third party vendor via the web or your student account. Payments may also be sent directly to the HSU Cashier's Office.

Fee Waivers and Exemptions. The California Education Code includes provisions for the waiver or exemption of mandatory systemwide fees as follows:

Section 66025.3 - Qualifying children, spouses/registered domestic partners, or unmarried surviving spouses/registered domestic partners of a war period veteran of the US military who is totally service-connected disabled or who died as a result of service-related causes; children of any veteran of the US military who has a service-connected disability, was killed in action, or died of a service-connected disability and meets specified income provisions; any dependents or surviving spouse/registered domestic partner who has not remarried of a member of the California National Guard

who in the line of duty and in active service of the state was killed or became permanently disabled or died of a disability as a result of an event while in active service of the state; and undergraduate students who are the recipient of or the child of a recipient of a Congressional Medal of Honor and meet certain age and income restrictions.

Section 68120 - Qualifying children and surviving spouses/registered domestic partners of deceased public law enforcement or fire suppression employees who were California residents and who were killed in the course of active law enforcement or fire suppression duties (referred to as Alan Pattee Scholarships).

Section 68121 - Qualifying students enrolled in an undergraduate program who are 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, DC, or the crash of United Airlines Flight 93 in southwestern Pennsylvania, if the student meets the financial need requirements set forth in 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. Students who may qualify for these benefits should contact the Admissions/Registrar's Office for further information and/or an eligibility determination.

Section 68122 - Students who are victims of trafficking, domestic violence, and other serious crimes who have been granted T or U visa status are exempt from paying nonresident tuition if they (1) attended high school in California for three or more years;

2013/14 CSU Funding	Amount	Average Cost per FTE Student	Percentage
State Appropriation (GF) ¹	\$2,330,500,000	\$6,925	55.5%
Net Tuition Fee Revenue ²	\$1,539,029,000	\$4,387	35.2%
Other Fees Revenue ²	\$408,305,000	\$1,164	9.3%
Total Support Cost	\$4,277,834,000	\$12,476	100%

¹ Represents state GF appropriation in the Budget Act of 2013/14; GF is divisible by resident students only (336,510 FTES).

² Represents CSU Operating Fund, Tuition Fee and other fees revenue amounts (net of tuition fee discounts) submitted in campus August 2013/14 final budgets. Revenues are divisible by resident and nonresident students (350,838 FTES).

The average CSU 2013/14 academic year, resident, undergraduate student basic tuition fee and other mandatory fees required to apply to, enroll in, or attend the university is \$6,695 (\$5,472 tuition fee plus \$1,223 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.

Fees at Humboldt State University

<p>Registration Fees (per semester)*</p> <p>Student body association fee..... fall = \$51; spring = \$50</p> <p>Student body center fee..... fall = \$93; spring = \$92</p> <p>Facilities fee3</p> <p>Instructionally-related activities fee</p> <p> 0-6 units.....201</p> <p> 6.1 or more units.....337</p> <p>Student health & counseling fee.....204</p> <p>Materials, services & facilities fee</p> <p> 0-6 units.....77</p> <p> 6.1 or more units.....153</p> <p>Tuition fee (<i>undergraduate</i>)*</p> <p> 0-6 units.....1,587</p> <p> 6.1 or more units.....2,736</p> <p>Tuition fee (<i>graduate</i>)*</p> <p> 0-6 units.....1,953</p> <p> 6.1 or more units.....3,369</p> <p>Tuition fee (<i>teacher credential</i>)*</p> <p> 0-6 units.....1,842</p> <p> 6.1 or more units.....3,174</p>	<p>Tuition fee (<i>Western Undergraduate Exchange</i>)</p> <p> 0-6 units.....2,381</p> <p> 6.1 or more units.....4,104</p> <p style="text-align: center;">Professional Program Fee</p> <p>The Professional Program Fee is charged at a rate of \$254 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.</p> <p style="text-align: center;">Nonresident Tuition Fee</p> <p>Non-California residents pay tuition in addition to the fees above (fall & spring terms), per unit*\$372</p> <p style="text-align: center;">Other Fees</p> <p>Administrative charge for dropping to lower fee category or withdrawing 27</p> <p>Application..... 55</p> <p>Application for graduation..... 59</p> <p>Check returned (includes e-checks)..... 25</p>	<p>Checks returned (includes e-checks) for payment of registration fees also assessed late registration fee 25</p> <p>Failure to meet administratively required appointment or time limit..... 2 - 30</p> <p>Humboldt Orientation Fee 50</p> <p>Identification card (or replacement)..... 5</p> <p>Late payment fee 30</p> <p>Late registration fee..... 25</p> <p>Late schedule adjustments 20</p> <p>Library materials service charge, loss of or damage to.....varies</p> <p>Parking (per semester)</p> <p> automobile 157.50</p> <p> motorcycles, motorized bicycles..... 40</p> <p>Replacement diploma..... 25</p> <p>Transcript..... 4</p> <p> 2nd through 10th transcript, prepared at same time as first, each..... 2</p> <p> additional copies over ten, prepared at same time as above, each..... 1</p> <p style="text-align: right;">*Fees based on 2013-14 levels.</p>
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NOTE: 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.

(2) graduated from a California high school or attained the equivalent; and (3) registered as an entering student or are currently enrolled at a CSU campus.

Section 68130.5 - Students who are not residents of California are exempt from paying nonresident tuition if they (1) attended high school in California for three or more years; (2) graduated from a California high school or attained the equivalent; and (3) registered as an entering student or are currently enrolled at a CSU campus. In addition, students without lawful immigration status will be required to file an affidavit stating that they have filed an application to legalize their immigration status, or will file an application as soon as they are eligible to do so. This exemption from paying nonresident tuition does not apply to students who are nonimmigrant aliens within the meaning of 8 U.S.C. 1101(a)(15), except as provided by Section 68122 above.

Procedure for the Establishment or Abolishment of Campus-Based Mandatory Fees. The law governing the California State University provides that Humboldt State University fees defined as mandatory, such as a student body association fee and a student body center fee, may be established. A student body 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 body 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 body association fees support a variety of cultural and recreational programs, child-care centers, and special student support

programs. A student body 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 body 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.

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 Executive Order 1054, Section III. The campus President may use alternate consultation mechanisms if the President 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 manda-

tory fees but must request the Chancellor to establish a new mandatory fee. The President shall provide to the 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 online at www.humboldt.edu/oaa/classes.shtml.

Veterans Administration Educational Benefits. Veterans, dependents of deceased or disabled veterans, and reservists are eligible for VA educational benefits. Please

contact your local Veterans Service Office or the Department of Veterans Affairs, 800-827-1000.

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 HSU 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; 707-826-6272) at least two months before the term you plan to attend.

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: www.humboldt.edu/studentfinancial/tuition_fees.html.

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 Humboldt State, the university may "withhold permission to

Schedule of Fees

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 fee, 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.

The following reflects estimated applicable fees for the 2014-2015 academic year. (Fees are subject to change by the CSU.) Costs do not include summer attendance.

All Students: Application Fee (nonrefundable), payable by check or money order at time application is made: \$55

HSU Units Cost including campus-based fees:

<i>Units</i>	<i>Per Semester</i>	<i>Per Academic Year</i>
Undergraduate		
6.1 or more	\$3,576	\$7,152
0 to 6.0	\$2,212	\$4,424
Credential Program Participants		
6.1 or more	\$4,014	\$8,028
0 to 6.0	\$2,467	\$4,934
Graduate		
6.1 or more	\$4,209	\$8,418
0 to 6.0	\$2,578	\$5,156
Western Undergraduate Exchange		
6.1 or more	\$4,944	\$9,888
0 to 6.0	\$3,006	\$6,012

Professional Program Fee

The Professional Program Fee is charged at a rate of \$254 per semester 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 tuition fees.

Nonresident Students (US and International): In addition to other fees charged all students, there is a nonresident tuition fee charge of \$372 per course unit. The total nonresident tuition fee paid per term will be determined by the number of units taken. Mandatory systemwide fees are waived for those individuals who qualify for such exemption under the provisions of the California Education Code (see "Fee Waivers").

Credit Cards: Visa, MasterCard, Discover, and American Express credit cards may be used for payment of fees through a third party vendor on the web.

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). For example, Humboldt may withhold permission to receive official transcripts of grades from any person owing a debt.

Prospective students who register for courses offered by the university are obligated for the payment of 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 fees including any tuition for the reservation of space in the course.

Humboldt may withhold permission to register or to receive official transcripts of grades 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.

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

Refund of Mandatory Fees, Including Nonresident Tuition Fee. Regulations governing the refund of 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 California State University. Refunds of fees and tuition charges for self-support, special session, and extended education programs or courses at the California State University are governed by a separate policy established by the university, available at Student Financial Services.

In order to receive a full refund of mandatory fees, less an administrative charge established by the campus, including nonresident

tuition fees, 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 online and from Student Financial Services.

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 will receive a refund of mandatory fees, including nonresident tuition fees, 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 fees.

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

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

- The fees were assessed or collected in error;
- The course for which the 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 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.

Registration fee refunds for Cal Grant recipients may be returned to the California Student Aid Commission (CSAC) per state regulations: California Education Code 69532 (a); Institutional Participation Agreement, Article V.B.; Cal Grant Manual, Chapter 8, page 20, November 2005.

Students who are not entitled to a refund as described above may petition the university for a refund (within six months of the term to which the refund would apply) demonstrating exceptional circumstances. The chief financial officer of the university or designee may authorize a refund if determined 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, SBS 257, 707-826-4407.

Determination of Residency for Tuition Purposes

University requirements for establishing residency for tuition purposes are independent from those of other types of residency, 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 should pay university fees on an in-state or out-of-state basis. 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 68000-68085, 68120-68134, and 89705-89707.5, and California Code of Regulations, Title 5, Subchapter 5, Article 4, Sections 41900-41916. This material can be viewed on the Internet by accessing the California State University's website at www.calstate.edu/GC/resources.shtml.

Each campus' admissions office is responsible for determining the residency status of all new and returning students based on the Application for Admission, Residency Questionnaire, Reclassification Request Form, and, as necessary, other evidence furnished by the student. A student who fails to submit adequate information to establish eligibility for resident classification will be classified as a nonresident.

Residency status for an applicant is based on the length of physical presence and demonstration of intent to remain in California indefinitely. Residency status for a nonresident student requesting reclassification as a resident is based on the length of physical presence, demonstration of intent to remain in California indefinitely, and financial independence. In depth information and the various residency forms are available on Humboldt's residency website at www.humboldt.edu/admissions/apply/eligibility/residency.html.

Generally, for both applicants and nonresident students seeking reclassification, establishing California residency for tuition purposes requires a combination of physical presence and intent to remain indefinitely. An adult who, at least one full year prior to the residence determination date for the

term in which enrollment is contemplated, can demonstrate both physical presence in the state combined with evidence of intent to remain in California indefinitely may establish California residency for tuition purposes. A minor normally derives residency from the parent(s) resided with or most recently resided with.

Evidence demonstrating intent may vary from case to case but will include, and is not limited to, the absence of residential ties to any other state, California voter registration and 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 an apartment 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.

Nonresident students seeking reclassification are also required to complete a supplemental questionnaire that includes questions concerning their financial dependence on parents or others who do not meet university requirements for classification as residents for tuition purposes. Financial independence is required, along with physical presence and intent, to be eligible for reclassification. The criteria used to determine financial independence for residency reclassification for tuition purposes is different than that used for financial aid or other purposes. Refer to Humboldt's residency website for detailed information at www.humboldt.edu/admissions/apply/eligibility/residency.html.

Non-citizens establish residency in the same manner as citizens, unless precluded by the Immigration and Nationality Act from establishing domicile in the United States.

Exceptions to the general residency requirements are contained in California Education Code, Sections 68070-68085 and Title 5 of the California Code of Regulations, Title 5, Subchapter 5, Article 4, Sections 419006-419106.6, and include, but are not limited to, members of the military and their dependents, certain credentialed employees of school districts and most students who have attended three years of high school in California and graduated or attained the equivalent. Whether an exception applies to a particular student cannot be determined before the submission of an application for admission and, as necessary, additional

supporting documentation. Because neither campus nor Chancellor's Office staff may give advice on the application of these laws, applicants are strongly urged to review the material for themselves and consult with a legal advisor.

Residency determination dates are set each term. For Humboldt, they are September 20 for fall and January 25 for spring.

Students classified as nonresidents may appeal a final campus decision within 120 days of notification by the campus. A campus residency classification appeal must be in writing and submitted to: The California State University; Office of General Counsel; 401 Golden Shore, 4th Floor; Long Beach, CA 90802-4210.

The Office of General Counsel can either decide the appeal or send the matter back to the campus for further review. Students incorrectly classified as residents or incorrectly granted an exception from nonresident tuition fees are subject to reclassification as nonresidents and payment of nonresident tuition fees in arrears. If incorrect classification results from false or concealed facts, the student is also subject to discipline pursuant to Section 41301 of Title 5 of the California Code of Regulations.

Resident students who become nonresidents or who no longer meet the criteria for an exception must immediately notify the Admissions Office. Changes may have been made in the rate of nonresident tuition fees 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

Humboldt State recommends early application for financial aid, as some types of aid are extremely limited and/or have deadlines.

Parents are expected to provide for their dependents' education in accordance with nationally recognized standards. In addition, students are expected to use part of their savings and employment earnings to help meet expenses.

You may apply for aid via FAFSA online at www.fafsa.gov; remember to file for your electronic PIN code for FAFSA and also have your parents apply for a PIN code, if needed for signatures.

Deadlines. File the Free Application for Federal Student Aid (FAFSA), and list Humboldt (our school code is 001149) as a school choice to be considered for all federal aid, state grants, and scholarships administered by the Financial Aid Office. New Cal Grant applicants also need to obtain and file the required Cal Grant GPA Verification form. To be considered for a scholarship or grant, both forms must be filed by March 2 for the 2014-2015 FAFSA, although applicants are advised to file as soon as possible after January 1.

Types of Aid

The answers to most general questions about assistance programs, application procedures, and financial aid services are available on the Financial Aid website at www.humboldt.edu/finaid. You may access your personal financial aid award information online at your Student Center. If you have further questions, Intake Advisors are available during regular work hours at 707-826-4321 or toll free at 866-255-1390, or you may also email Financial Aid at finaid@humboldt.edu. Most email inquiries are treated like incoming mail, with an expected reply turnaround time of one to two weeks.

A partial list of aid sources follows:

Federal Pell Grants. All undergraduates filing for aid are considered for this grant, based on financial need. This federal grant helps students who have not yet earned a bachelor's degree.

Federal College Work Study. Need-based funding for part-time jobs on or off campus.

Federal Perkins Loans. Low-interest loans (currently 5%) awarded to students based on financial need. Students begin to repay these loans once they are enrolled less than half-time.

Federal Supplemental Educational Opportunity Grants. Awarded to a limited number of undergraduates.

Educational Opportunity Program Grants. Economically and educationally disadvantaged undergraduates may qualify for this state-funded program. Recipients must be enrolled in Humboldt's Educational Opportunity Program.

State University Grants. State-supported, awarded to California residents with financial need. You must be classified as a California resident for fee purposes to be eligible for this grant. Fee waivers can affect eligibility for this grant.

For the following types of financial aid, students might need to fill out additional application forms. Contact Humboldt's Financial Aid Office, 707-826-4321, for information and applications.

Federal Direct Loans. Long-term federal loans available to students and the parents of dependent students. Interest rates are variable and adjusted each year on July 1. The current maximum interest rates are 6.8% for students, 8% for parents. Repayment and deferment plans vary. For comprehensive information, contact the Financial Aid Office.

Cal Grants A and B are state grants awarded by the California Student Aid Commission to California residents. Cal Grants A and B are for undergraduates.

Middle Class Scholarship (MCS) is a new program beginning in the 2014-15 academic year that provides undergraduate students with family incomes up to \$150,000 a scholarship to attend University of California (UC) or California State University (CSU) campuses. MCS scholarships are not set amounts and may vary by student and institution. If you are selected to receive a MCS, you will be notified by the California Student Aid Commission.

TEACH Grant. Through the College Cost Reduction and Access Act of 2007, Congress created the Teacher Education Assistance for College and Higher Education (TEACH) Grant Program that provides grants of up to \$4,000 per year to students who intend to teach in a public or private elementary or secondary school that serves students from low-income families. Currently, the TEACH Grant is only available to credential students. For detailed information about the TEACH Grant, go to studentaid.ed.gov/types/grants-scholarships/teach. After reading all of the information on the fact sheet, if you are interested in learning more about the TEACH Grant Program, please contact the Financial Aid Office to schedule an appointment with a financial aid counselor.

Bureau of Indian Affairs Grants and Tribal Scholarships. American Indians who qualify may receive federal grants funded by BIA or their tribal agencies. Interested students should contact their Tribal Education Office for tribal scholarship and BIA Higher Education Grant applications. Financial aid recipients must report these educational grants as resources.

Humboldt State Short-Term Loans range from \$50 to \$500; generally must be repaid within ten weeks.

Humboldt State Scholarships

Financial Aid Office Scholarships. Financial Aid awards scholarships, averaging \$800, primarily on the basis of need. Other donor interests, such as community of residence, may be factors in determining recipients.

Applications for HSU scholarships are available from January 1 through March 2 via our online application, accessible via the student portal.

Financial Aid measures academic achievement by grade information obtained from the Office of the Registrar.

Estimated Cost of Attendance

The following estimates for 2014-15 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.

UNDERGRADUATES	Living with parents	Living on campus	Living off campus
estimated tuition & fees	7,152	7,152	7,152
books & supplies *	1,612	1,612	1,612
food & housing	4,598	11,644	11,644
transportation	1,052	1,052	1,052
miscellaneous	1,364	1,364	1,364
TOTAL	\$15,778	\$22,824	\$22,824
WUE (Western Undergraduate Exchange)			
estimated tuition & fees		9,888	9,888
books & supplies *		1,612	1,612
food & housing		11,644	11,644
transportation		1,052	1,052
miscellaneous		1,364	1,364
TOTAL		\$25,560	\$25,560
CREDENTIAL CANDIDATES			
estimated tuition & fees	8,028	8,028	8,028
books & supplies *	1,612	1,612	1,612
food & housing	4,598	11,644	11,644
transportation	1,052	1,052	1,052
miscellaneous	1,364	1,364	1,364
TOTAL	\$16,654	\$23,700	\$23,700
POST BACCALAUREATE/GRADUATES			
estimated tuition & fees	8,418	8,418	8,418
books & supplies *	1,612	1,612	1,612
food & housing	4,598	11,644	11,644
transportation	1,052	1,052	1,052
miscellaneous	1,364	1,364	1,364
TOTAL	\$17,044	\$24,090	\$24,090

*The estimate includes books, supplies, and course materials fees.

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

Nonresident Tuition: Out-of-state and international students must pay nonresident tuition of \$372 per semester unit in addition to the registration fees listed above. For example:

$$\begin{aligned}
 &12 \text{ units} \times 2 \text{ semesters} = 24 \text{ units} \times \$372 \text{ per unit} = \$8,928 \text{ nonresident fees} \\
 &\text{Undergraduates: } \$8,928 \text{ nonresident fees} + \$22,824 \text{ attendance costs} = \$31,752 \text{ per year cost of attendance} \\
 &\text{Graduates: } (9 \text{ units}) \$6,696 + \$24,090 = \$30,786 \text{ per year cost of attendance}
 \end{aligned}$$

Nonresident tuition may be paid in three equal installments, due 30, 60, and 90 days into the semester. The service fee is 12% for each installment payment. Students whose aid eligibility does not seem satisfactory, or who have questions, should make an appointment with a financial aid counselor.

THE BACHELOR'S DEGREE

The Language of Program & Requirement Descriptions

This section of the catalog employs terms and numbering systems which may be unfamiliar to the new student. The most common of these, printed in bold, are explained here.

Academic Terminology

This catalog refers to academic programs, academic departments, and academic disciplines. The same name may refer to all three. For instance, history can refer to the major in history (a program), to the History Department, or to the general academic discipline of history. On the other hand, some names apply only to a program or department or discipline.

A **program** is a set of requirements met by certain courses. Most programs are associated with specific academic departments. However, teaching credential programs and several others are neither offered by, nor identified with, a single department. General education, a set of requirements met by taking a collection of courses, qualifies as a program in this sense.

A **discipline** is a conventional academic perspective or area of study. Chemistry, psychology, and marine biology, for example, are disciplines at Humboldt. The first two are represented by departments with the same name, but Humboldt has no specific marine biology department.

A **department** is an organization offering and administering academic programs. Usually the name of the department is the same as the program it administers, but not always. For example, the Department of Biological Sciences offers a major in botany as well as in biology. Departments usually are assigned to colleges.

A **college** contains and administers a number of departments. Humboldt State has three colleges: the College of Arts, Humanities, and Social Sciences; the College of Natural Resources and Sciences; and the College of Professional Studies.

Course Numbering System

All Humboldt State University courses have both a descriptive title (e.g. Survey of American Literature) and a course number (e.g. English 232). Besides identifying courses, the numbers indicate other useful information:

001-099	remedial; units do not count toward graduation
100-199	lower division, appropriate for freshmen
100-109	lower division general education (except Spanish, French, and German 105)
200-299	lower division, appropriate for sophomores
300-399	upper division, appropriate for juniors
300-308	upper division general education, area B, C, or D
309	upper division general education, CWT courses
400-499	upper division, appropriate for seniors
400	general education, area E
480	seminars/selected topic courses
499	independent/directed studies
500-599	graduate courses which may be taken by qualified seniors on an elective basis
600-699	graduate level, open only to graduates
700-799	credential/licensure courses, not generally applicable to a master's degree program

Letter designations can be attached to a course number: Letters B, C, D, and so on, distinguish between courses assigned the same number (for example, ART 104B, 104C, 104F, 104G). Such courses may or may not be part of a sequence.

The letters Y and Z designate courses in a sequence. These have two limitations. First, the entire sequence must be completed in order to satisfy the requirement. That is, the student must complete the Z course before any units count toward general education requirements. The other limitation is that not all the units earned in a sequence count toward the GE requirement, only the number specified.

The letter L used as a suffix signifies a laboratory taught in conjunction with a lecture. Usually students must enroll in the lecture as well as the laboratory of such a course. The letter D signifies a discussion section — and A signifies an activity section — offered in conjunction with the lecture portion of a course. The letter S is used to signify a service learning course. At least part of this course will include a service learning component.

Other Terminology

Sections distinguish parts of a course. For example, the laboratory section of a course may be distinct from the lecture section. More commonly, the term distinguishes between multiple offerings of a single course. To say, "there are four sections of American History offered in the fall," means the course is offered four different times that semester, possibly in four different locations.

Upper division courses generally are intended for juniors and seniors, **lower division** courses for sophomores and freshmen. As the numbering table shows, lower division course numbers run from 100-299, upper division from 300-499.

One speaks of a total baccalaureate (bachelor's) requirement of 120 units or describes a course as having three units. A **unit** is an amount of credit, the value assigned to the course.

Units also indicate how much time a course will meet per week. The amount varies with the type of instruction:

- 1 unit of lecture or discussion = 50 minutes per week
- 1 unit of activity = 100 minutes per week
- 1 unit of laboratory = 150 minutes per week

Variable Unit Courses. Some courses may be taken for different unit amounts. Be aware that different requirements may exist for completion of different unit amounts.

Students' baccalaureate programs must conform to specific guidelines:

Limits. In certain kinds of courses, only a limited number of units apply toward graduation requirements. For instance, no more

than six units in intercollegiate athletics courses may count toward graduation.

Residency Requirement. For both BA and BS degrees, students must earn a minimum of 30 units in regular courses at 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 nine units of general education at Humboldt.

None of these resident course units may be satisfied through extension, correspondence courses (24 units of Open University courses excepted), or credit earned through examination.

Writing Skills. Two demonstrations of writing skills are required of students. The English Placement Test (EPT), which students take before registration in their first semester (unless exempt — see Admission Information, “Placement/Proficiency Tests”), assesses entering students’ reading and writing skills to determine appropriate course(s). Students who do not demonstrate college-level skills will be directed into the appropriate course(s) to help them attain these skills during their first semester(s) of enrollment. Students who demonstrate proficiency are eligible to enroll in the general education written communication course.

All students must also demonstrate competency in writing skills as a requirement for graduation. The Graduation Writing Proficiency Examination (GWPE) is an evaluation of writing skills used to determine whether students have attained a level of proficiency necessary to obtain a bachelor’s degree. All students should take the GWPE before their last semester and must pass this test to graduate.

Students may take the GWPE after completing 60 semester units (junior standing) in addition to completing a GE A1 Written Communication course (or an equivalent college composition course with a C- or better). The GWPE is offered once in the fall semester and twice in the spring. Contact the Testing Center for information (Library Basement (Room 24).

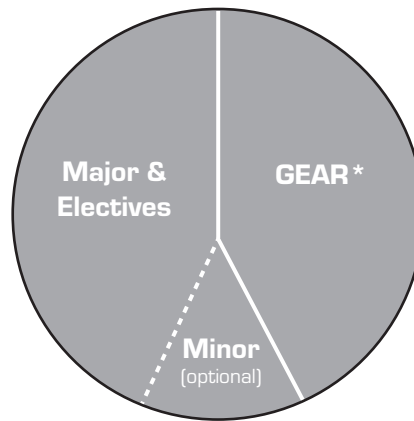
Mathematics. Unless exempt (see Admission Information, “Placement/Proficiency Tests”), all students must take the Entry Level Mathematics (ELM) exam before registration in their first semester. The ELM assesses skill levels typically attained in three years of college preparatory mathematics courses. Those not demonstrating college-level skills will be directed into appropriate courses to

help them attain these skills during their first semester(s) of enrollment. Those demonstrating college-level proficiency are eligible to enroll in the general education mathematics/quantitative reasoning course.

Grade Point Average. A minimum cumulative grade point average (GPA) of 2.0 is required in all work taken for the degree, all work taken at Humboldt, and all work taken in the major.

Components of the Degree

The undergraduate (or baccalaureate) degree program has two forms: the Bachelor of Arts (BA) and the Bachelor of Science (BS).



* *General Education & All-University Requirements: Lower Division General Education, Upper Division General Education, Diversity and Common Ground, American Institutions*

General Education & All-University Requirements

The general education and all-university (GEAR) component requires a minimum of 48 units. Some of these units may simultaneously satisfy major, minor, or diversity/common ground requirements. General education (GE) courses meet CSU breadth requirements and help students meet the goals of the bachelor’s degree program. The GEAR component educates students in three ways:

- By developing the ability to think and communicate clearly and effectively;
- By acquiring knowledge about the arts, humanities, science, and society; and
- By understanding the methods, principles, and processes of human inquiry.

Within various disciplines, GEAR courses enable the student to explore fundamental knowledge, perspectives, methods of inquiry, assumptions, and values. Such exploration helps the student perceive relationships between the disciplines in preparation for lifelong commitment to scholarship and learning.

Important Provisions

- Students may elect to take approved GEAR courses offered by their major department.
- Other Humboldt courses should not be substituted for the approved GEAR courses on the following pages.
- Students must complete GE Basic Subjects and Mathematical Concepts/Quantitative Reasoning courses with grades of C- or higher.
- Students must complete GE Basic Subjects (area A) and Mathematical Concepts/Quantitative Reasoning courses (a portion of area B) by the time they earn 60 units. Transfer students who come to HSU with more than 30 units must complete these courses by the time they earn 30 units at Humboldt.
- Information and advice regarding GE requirements are available from your advisor and at the Academic & Career Advising Center, GH 114.

Lower Division Component

Students must complete a minimum of 36 lower division units in approved GE courses. These break down to a minimum of nine units in each of four areas, designated A, B, C, and D. Each area has specific requirements and outcomes, described on the following pages.

Upper Division Component

Upper division GE courses build upon knowledge and abilities developed in lower division GE courses. Students must complete nine upper division units: three units each from areas B, C, and D, taken no sooner than the semester during which they will attain junior status (60 units). Communication and Ways of Thinking (CWT) courses can address outcomes of multiple GE areas.

In addition, all students need three units in an area E course (human integration). Humboldt State offers area E courses at an upper division level, but transfer students can meet the requirement with transferable lower division units appropriately certified by a CSU or California Community College.

Transfer Students

Students who transfer to 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 HSU 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 HSU offers the parallel bachelor's degree.

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

In general, 15 units per semester each fall and spring semester leads to graduation in four years. Some majors may require more. Check your major's four-year plans available at:

www.humboldt.edu/humboldt/programs/type



GENERAL EDUCATION & ALL-UNIVERSITY REQUIREMENTS

Make sure you have a copy of your DARS report handy to view all degree requirements!

Did you know? Many of the GEAR courses can fulfill two requirements at once: (GE/Major, GE/Minor, GE/DCG, GE/AI)

At least 9 of your GE units must be completed at HSU

	COURSE	UNITS	TERM & YEAR	GRADE	CAMPUS		
GENERAL EDUCATION	A BASIC SUBJECTS 9 units Page 62					Complete with a C- or higher within first 60 units.	
	Written Communication (A1)						
	Oral Communication (A2)						
		Critical Thinking (A3)					[Within first 30 units for transfer students]
	B MATH & SCIENCE 9 units Page 63						
		Math Concepts					
		Life Forms					
		Physical Universe					
		C ARTS & HUMANITIES 9 units Page 64					
		Arts (C1)					
	Humanities (C2)						
	Arts OR Humanities (C1 or C2)						
	D SOCIAL SCIENCE 9 units Page 65						
	Subarea (____)						
	Subarea (____)						
	Subarea (____)						
	TOTAL Lower Division		36 unit minimum				
	UPPER DIVISION GE 9 units Page 66						
	Area B (UD B)						
	Area C (UD C)						
	Area D (UD D)						
	E HUMAN INTEGRATION 3 units Page 68						
	TOTAL General Education		48 unit minimum				
ALL UNIVERSITY	AMERICAN INSTITUTIONS Page 69					One may double count with Area D	
		US History					
		US Government					
		CA State & Local Government					
		DCG DIVERSITY & COMMON GROUND Page 70					
	Domestic						
	Domestic or Non-Domestic						
	GWPE GRADUATE WRITING PROFICIENCY EXAM Page 59						
					Must have Junior Standing		

120 Total Units 40 Upper Division Units 30 Units Completed @ HSU

LOWER DIVISION GE AREA A: BASIC SUBJECTS

Required Units: 9 | 3 units in each category

Written Communication

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.

ENGL 102 & ENGL 103	Composition and Rhetoric A & B (complete both courses to meet requirement)
ENGL 104	Accelerated Composition and Rhetoric
ENGL 104S	Accelerated Composition and Rhetoric

Oral Communication

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.

COMM 100	Fundamentals of Speech Communication
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Critical Thinking

Upon completing this 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.

COMM 102	Introduction to Argumentation
COMM 103	Critical Listening & Thinking
CS 100	Critical Thinking with Computers
ENGL 101	Critical Writing
FOR 100	Critical Thinking and Social & Environmental Responsibility
INTL 100	Thinking Critically About Globalization
PHIL 100	Logic
PSYC 100	Psychology of Critical Thinking



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 HSU.) A minimum grade of C- is required in each course.

LOWER DIVISION GE AREA B: MATH & SCIENCE

Required Units: 9 | minimum of 3 units in each category

Mathematical Concepts

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.

MATH 103	Contemporary Mathematics (not for science or NR majors)
MATH 103i	Mathematics as a Liberal Art (MATH 43 corequisite, not for science or NR majors)
MATH 104	Finite Mathematics
MATH 105†	Calculus for the Biological Sciences & Natural Resources
MATH 106	Calculus for Bus. & Economics
MATH 108	Critical Thinking in Math (for prospective elementary teachers)
MATH 109†	Calculus I
STAT 106	Introduction to Statistics for the Health Sciences
STAT 108	Elementary Statistics
STAT 109†	Introductory Biostatistics

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

MATH: Minimum grade of C- required. Must be completed by 60 units. (Students who transfer in with more than 30 units must complete these before they complete 30 units at HSU.)

Life Forms

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.

BIOL 102/BIOL 102L	Human Biology (not for most science or NR majors – chemistry or physics majors may take this course)
BIOL 104	General Biology (not for most science or NR majors – chemistry or physics majors may take this course)
BIOL 105†	Principles of Biology
BOT 105	General Botany

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

SCIENCE: One course must include a lab.

Physical Universe

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.

CHEM 107	Fundamentals of Chemistry
CHEM 109	General Chemistry I
GEOG 106	Physical Geography (may enroll in GEOG 106L to fulfill lab requirement)
GEOL 106	Earthquake Country (not for geology majors)
GEOL 108	The Dynamic Earth (not for geology majors)
GEOL 109	General Geology
OCN 109	General Oceanography
PHYX 104	Descriptive Astronomy
PHYX 106†	College Physics: Mechanics & Heat (not calculus-based)
PHYX 107†	College Physics: Electromagnetism & Modern Physics (not calculus-based)
PHYX 109†	General Physics I: Mechanics



† Course requires one or more prerequisites.

LOWER DIVISION GE AREA C: ARTS & HUMANITIES

Required Units: 9 | minimum of one course in each subarea

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.

Arts (Art, Cinema, Dance, Music, Theatre)

ART 100**	Global Perspectives in Art
ART 103	Introduction to Art History
ART 104 (B-N)	Art History
ART 104J*	American Art
ART 104K**	Africa, Oceania, the Americas
ART 104M**	Latin American Art
ART 104N**	Asian Art & Culture
ART 105 (B-C)	Studio Art
ART 106	Beginning Painting
ART 107	Beginning Printmaking
ART 108	Beginning Graphic Design
ART 109	Beginning Sculpture
DANC 103	Modern I
DANC 103B	Modern II
FILM 102	Introduction to Radio, TV & Film
FILM 109**	Film Comedy Around the World
MUS 102	Jazz & America
MUS 103	Listening to the Movies
MUS 104	Introduction to Music
MUS 105	The American Musical
MUS 106 (any)	Musical Ensembles
MUS 107 (any)	Chamber Ensembles
MUS 108 (any)	Beginning Music
MUS 109 (any)	Intermediate Music
TA 104	Story Through Word & Image
TA 105	Acting
TA 106	Behind the Scenes in Theatre
TA 107	Dramatic Writing
TA 108	Movement/Voice for Performers

Humanities (Literature, Philosophy, Languages other than English)

CD 109Y & CD 109Z	American Sign Language: Level I & II (complete both courses for three units of GE credit)
CHIN 106	Chinese Level II
CHIN 107**	Chinese Level III
COMM 108	Oral Interpretation
ENGL 105	Introduction to Literature
ES 106*	Introduction to Black Studies
FREN 106	French Level II
FREN 107**	French Level III
GERM 106	German Level II
GERM 107	German Level III
JMC 105	Intro to Mass Communication
PHIL 104**	Asian Philosophy
PHIL 106	Moral Controversies
PHIL 107	Introduction to Philosophy
RS 105**	World Religions
RS 107*	Religion in America
SPAN 106	Spanish Language & Culture II
SPAN 107**	Spanish Language & Culture III
SPAN 108**	Level III Heritage Speakers
SPAN 108S**	Level III Heritage Speakers
WVS 107*	Women, Culture, History



* Counts as both GE and DCG domestic.

** Counts as both GE and DCG non-domestic.

LOWER DIVISION GE AREA D: SOCIAL SCIENCES

Required Units: 9 | minimum of two subareas

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.

D1: Anthropology & Archaeology

ANTH 104 Cultural Anthropology
ANTH 105 Archaeology & World Prehistory

D2: Economics

ECON 104 Contemporary Topics in Econ.

D3: Ethnic Studies

CHIN 109** Intro to Chinese Studies
ES 105* Intro to US Ethnic Studies
ES 109** Intro to Chinese Studies
NAS 104* Intro to Native American Studies

D4: Gender Studies

CRGS 108* Power/Privilege: Gender & Race, Sex, Class
WS 106* Introduction to Women's Studies

D5: Geography

GEOG 105** Cultural Geography
GSP 101 & GSP 101L Geospatial Concepts & Geospatial Concepts Lab

D6: History

HIST 104 Western Civilization to 1650
HIST 105 Western Civilization, 1650 to Present
HIST 107 East Asian History to 1644
HIST 108 East Asian Civilization, Since 1644
HIST 109 Colonial Latin American History
HIST 109B Modern Latin America

D7: Interdisciplinary Social or Behavioral Science

COMM 105 Intro to Human Communication
EMP 105 Natural Resource Conservation
SW 104* Intro to Social Work & Social Work Institutions

D8: Political Science, Government, and Legal Institutions

PSCI 104 People & Politics

Students may elect to use one institutions course to substitute for one course in D6: History or D8: Political Science. Only one institutions course can be used to satisfy GE Area D requirements. See list of American Institutions courses.

D9: Psychology

PSYC 104 Introduction to Psychology

D0: Sociology & Criminology

SOC 104 Introduction to Sociology



UPPER DIVISION GE AREA B: MATH & SCIENCE

Required Units: 3

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.

The following majors have Upper Division GE Area B requirements incorporated into the major requirements: Chemistry (Biochemistry option only), Fisheries Biology, Kinesiology, Oceanography, Physics (BS options only).

Students can also satisfy three 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.

NOTE: A minor cannot be awarded to a student receiving a related major of the same name.

ANTH 303	Human Biology/Evolution
BIOL 301	History of Biology
BIOL 304**	Human Genetics
BIOL 305	Social Behavior & Biology
BIOL 306	California Natural History
BIOL 307†	Evolution
BIOL 308	Environment & Culture: How People Transformed a Continent
BOT 300	Plants & Civilization
CHEM 308	Alchemy
CS 309#	Computers & Social Change (CWT)
ENGR 305†	Appropriate Technology
ENGR 308	Technology & Environment
ENVS 308	Ecotopia
FISH 300	Introduction to Fishery Biology
FOR 302	Forest Ecosystems & People
FOR 307	California's Forests & Woodlands
GEOL 300	Geology of California
GEOL 303	Earth Resources & Global Environmental Change
GEOL 305	Fossils, Life & Evolution
GEOL 306†	General Geomorphology
GEOL 308†	Natural Disasters
MATH 301** ‡	Mathematics & Culture: Historical Perspective
MATH 308B or MATH 308C†	Mathematics for Elementary Education (for prospective elementary teachers)
OCN 301†	Marine Ecosystems — Human Impact
OCN 304†	Resources of the Sea
PHIL 309B#	Perspectives: Humanities/Science/Social Science (CWT)
PHYX 304	Cosmos
RRS 306	Wildland Resource Principles
WLDF 300/WLDF 300B	Wildlife Ecology & Mgmt.
WLDF 301†	Principles of Wildlife Mgmt.
WLDF 306	Birds & Human Society
WLDF 309#	Case Studies in Environmental Ethics (CWT)



- * Counts as both GE and DCG domestic.
- ** Counts as both GE and DCG non-domestic.
- # Addresses outcomes of multiple GE areas, but may only be used to satisfy one of those areas.
- ‡ Course requires one or more prerequisites.

UPPER DIVISION GE AREA C: ARTS & HUMANITIES

Required Units: 3

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.

ART 301	Topics in Western Art History	MUS 305	Jazz: An American Art Form
ART 302**	Topics in Global Art History	NAS 301*	Native American Literature
ART 303**	Global Contemporary Art	NAS 302*	Oral Literature & Oral Tradition
ART 304*	Topics in American Art	PHIL 301	Reflections on the Arts
COMM 300*	American Public Discourse	PHIL 302	Environmental Ethics
COMM 309B*#	Gender & Communication (CWT)	PHIL 303	Theories of Ethics
CS 309#	Computers & Social Change (CWT)	PHIL 304	Philosophy of Sex & Love
DANC 303**	Dance in World Cultures	PHIL 306*	Race, Racism & Philosophy
EMP 309B#	Environmental Communication (CWT)	PHIL 309B#	Perspectives: Humanities/ Science/Social Science (CWT)
ENGL 305**	Postcolonial Perspectives: Literature of the Developing World	RS 300	Living Myths
ENGL 306	Contemporary Texts	RS 304**	Cultural & Religious Heritage of Africa
ENGL 308B*	Women in Literature	SPAN 306**	Sex, Class & Culture: Gender & Ethnic Issues in Int'l Short Stories
ENGL 308C**	Women in Literature	SPAN 308S*	Introduction to Translation & Interpretation
FILM 305	Art of Film: Beginning - 1950s	TA 307*	Theatre of the Oppressed
FILM 306	Art of Film: 1950s to Present	WLDF 302	Environmental Ethics
FREN 300**	African Storytelling	WLDF 309#	Case Studies in Environmental Ethics (CWT)
FREN 306**	Sex, Class & Culture: Gender & Ethnic Issues in Int'l Short Stories	WS 306**	Sex, Class & Culture: Gender & Ethnic Issues in Int'l Short Stories
GERM 305	Marx, Nietzsche, Freud & German Literature	WS 308B*	Women in Literature
GERM 306**	Sex, Class & Culture: Gender & Ethnic Issues in Int'l Short Stories	WS 308C**	Women in Literature
JMC 302	Mass Media/Popular Arts	WS 309B*#	Gender & Communication (CWT)
JMC 309#	Analyzing Mass Media Messages (CWT)		
MUS 301	Rock: An American Music		
MUS 302**	Music in World Culture		

* Counts as both GE and DCG domestic.

** Counts as both GE and DCG non-domestic.

Addresses outcomes of multiple GE areas, but may only be used to satisfy one of those areas.

UPPER DIVISION GE AREA D: SOCIAL SCIENCES

Required Units: 3

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.

ANTH 302**	Anthropology of Religion
ANTH 306**	World Regions Cultural Studies
CS 309#	Computers & Social Change (CWT)
COMM 309B#	Gender & Communication (CWT)
ECON 305	Int'l Economics & Globalization
ECON 306**	Economics of the Developing World
ECON 308	History of Economic Thought
ECON 309#	Economy of a Sustainable Society (CWT)
EMP 305	Environmental Conflict Resolution
EMP 309B#	Environmental Communication (CWT)
ENVS 301	International Environmental Issues & Globalization
ENVS 305	Environmental Conflict Resolution
ES 304*	Migrations & Mosaics
ES 306**	World Regions Cultural Studies
ES 307	Multicultural History of Africa
ES 308*	Multi-Ethnic Resistance in the US
GEOG 300**	Global Awareness
GEOG 301	International Environmental Issues & Globalization
GEOG 304*	Migrations & Mosaics
HIST 300	The Era of World War I
HIST 301	The Era of World War II
HIST 305	The American West, 1763-1900

JMC 309#	Analyzing Mass Media Messages (CWT)
NAS 306*	Indigenous Peoples of the Americas
PHIL 309B#	Perspectives: Humanities/ Science/Social Science (CWT)
PSCI 303**	Third World Politics
PSCI 306	Environmental Politics
PSYC 300*	Psychology of Women
PSYC 302*	Psychology of Prejudice
PSYC 303	Family Relations in Contemporary Society
PSYC 309#	The Thinking Consumer in a Materialistic Society (CWT)
REC 302*	Inclusive Recreation
SOC 302	Forests & Culture
SOC 303*	Race and Inequality
SOC 305	Modern World Systems
SOC 306*	The Changing Family
SOC 308	Sociology of Altruism & Compassion
WLDF 309#	Case Studies in Environmental Ethics (CWT)
WS 300*	Psychology of Women
WS 303**	Third World Women's Movements
WS 309B#	Gender & Communication (CWT)



* Counts as both GE and DCG domestic.

** Counts as both GE and DCG non-domestic.

Addresses outcomes of multiple GE areas, but may only be used to satisfy one of those areas.

GE AREA E: HUMAN INTEGRATION

Required Units: 3

Upon completing this requirement, students will be able to:

- explain and demonstrate an appreciation for the nature of being human as an integration of physiological, psychological, and sociocultural influences
- demonstrate preparation for the life-long and complex process of self-understanding, self-analysis, and self-development as an individual among others.

DANC 400	Bodyworks
EMP 400	Inscape & Landscape
ENVS 400	Inscape & Landscape
FOR 400	Forestry in Modern Society
HED 400	A Sound Mind in a Sound Body: Human Integration
PSYC 400	Health Psychology



AMERICAN INSTITUTIONS

Required Units: 6 | 3 units each area

US History

Upon completing this requirement, students will be able to:

- explain significant events covering a time span of at least 100 years of US history, including the relationships of US 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.

Area D6:

ECON 323	Economic History of the US
HIST 110	US History to 1877
HIST 111	US History from 1877
NAS 200	Indigenous Peoples in US History

US & California Government

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.

Area D8:

PSCI 110	American Government
PSCI 210	United States Politics
PSCI 359	California Government
PSCI 410	American Constitutional Law

There are three options:

1. Complete one US history course and one US & California government course; **or**
2. Pass the qualifying exams in US history, American constitutional government, and California state and local government; **or**
3. Complete a combination of courses and exams.

To satisfy the requirement by examination, students must pass in three areas: (1) US history, (2) US government and constitution, and (3) California state and local government. These three exams may be taken separately. The California state and local exam is provided separately so that students may challenge this portion separately when their previous coursework does not specifically address this requirement (e.g. out of state coursework). The department offering the exam sets limits on repeating the exam(s). To exercise this option, contact the Testing Center for study information and exam dates. These are competency exams and do not result in credit or grades.



Though the American Institutions requirement is separate from general education, one of the eight courses listed above can count in Lower Division GE Area D. 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

Required Units: 6 | at least one course must be designated domestic

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.

Undergraduates must complete at least two DCG courses; one of these courses must be designated domestic (focused within the boundaries of the United States) while the

second course may either be domestic or international/transnational (non-domestic) in focus. Students may meet the DCG requirement with courses that simultaneously meet other degree requirements (general education, the major or minor, US Government, or the elective component).

Following is a list of courses currently approved to count towards satisfaction of the Diversity and Common Ground requirement.

Approved DCG courses are subject to change. Courses used to count towards this requirement must be DCG approved at the time the course is taken. Students are advised to check the current online *Registration Guide* for the most current list of DCG-approved courses.

DIVERSITY & COMMON GROUND: Domestic (focused within the boundaries of the US)

Undergraduates must complete at least two DCG courses; one of these courses must be designated domestic (focused within the boundaries of the United States) while the second course may either be domestic or international/transnational (non-domestic) in focus. DCG courses listed below that are also approved for GE have their GE areas designated in the GE Area column.

LD = Lower Division GE; UD = Upper Division GE;
‡ = Course requires one or more prerequisites

COURSE	TITLE	GE AREA
ART 104J	American Art	Area C-LD
ES 106	Introduction to Black Studies	Area C-LD
RS 107	Religion in America	Area C-LD
WS 107	Women, Culture, History	Area C-LD
CRGS 108	Power & Privilege: Gender, Race, Sex, Class	Area D-LD
ES 105	Introduction to US Ethnic Studies	Area D-LD
NAS 104	Introduction to Native American Studies	Area D-LD
SW 104	Introduction to Social Work	Area D-LD
WS 106	Introduction to Women's Studies	Area D-LD
ART 304	Topics in American Art	Area C-UD
COMM 300	American Public Discourse	Area C-UD
COMM 309B	Gender & Communication	Area C-UD or D-UD (CWT)
ENGL 308B	Women in Literature	Area C-UD
NAS 301	Native American Literature	Area C-UD
NAS 302	Oral Literature & Oral Tradition	Area C-UD
PHIL 306	Race, Racism & Philosophy	Area C-UD
SPAN 308S	Introduction to Translation & Interpretation	Area C-UD
TA 307	Theatre of the Oppressed	Area C-UD
WS 308B	Women in Literature	Area C-UD
WS 309B	Gender & Communication	Area C-UD or D-UD (CWT)
COMM 309B	Gender & Communication	Area D-UD or C-UD (CWT)
ES 304	Migrations & Mosaics	Area D-UD
ES 308	Multi-Ethnic Resistance in the US	Area D-UD
GEOG 304	Migrations & Mosaics	Area D-UD
NAS 306	Indigenous Peoples of the Americas	Area D-UD
PSYC 300	Psychology of Women	Area D-UD
PSYC 302	Psychology of Prejudice	Area D-UD
REC 302	Inclusive Recreation	Area D-UD
SOC 303	Race and Inequality	Area D-UD
SOC 306	Changing Family	Area D-UD
WS 300	Psychology of Women	Area D-UD
WS 309B	Gender & Communication	Area D-UD or C-UD (CWT)

DIVERSITY & COMMON GROUND: Domestic (focused within the boundaries of the US)

Undergraduates must complete at least two DCG courses; one of these courses must be designated domestic (focused within the boundaries of the United States) while the second course may either be domestic or international/transnational (non-domestic) in focus. DCG courses listed below that are also approved for GE have their GE areas designated in the GE Area column.

*LD = Lower Division GE; UD = Upper Division GE;
‡ = Course requires one or more prerequisites*

COURSE	TITLE
AIE 330	History of Indian Education
AIE 335	Social & Cultural Considerations
AIE 340 [‡]	Educational Experiences
CD 310	Perspectives: History & Theory
CD 352	Parent-Child Relationships
CD 467	Working with Culturally Diverse Families
CD 467S	Working with Culturally Diverse Families
COMM 315 [‡]	Communication & Social Advocacy
COMM 322	Intercultural Communication
CRGS 313	Community Activism
CRGS 330 [‡]	Women of Color Feminisms
CRGS 360	Race, Gender & US Law
EDUC 313	Community Activism
EDUC 318	Gay & Lesbian Issues in Schools
ENGL 336	American Ethnic Literature
ENGL 465B [‡]	Multicultural Issues in Literature/Languages
ES 245 [‡]	Hip Hop & the Black Experience
ES 314	Chicano Culture & Society in America
ES 336	American Ethnic Literature
ES 465B [‡]	Multicultural Issues in Literature/Languages
HIST 372	Rise of Modern America (1877-1929)
KINS 474	Psychology of Sport & Exercise
NAS 200	Indigenous Peoples in US History
NAS 327	Native Tribes of North American Regions
NAS 332	Environmental Justice
NAS 392	Indigenous Identities in Film
NAS 468	Tribal Justice Systems
PSCI 318	Race, Gender & US Law
PSYC 437	Sexual Diversity
SOC 316	Gender & Society
WS 316	Gender & Society
WS 318	Gay & Lesbian Issues in Schools
WS 336	American Ethnic Literature
WS 350	Women's Health and Body Politics
WS 465B [‡]	Multicultural Issues in Literature/Languages

DIVERSITY & COMMON GROUND: Non-Domestic

Undergraduates must complete at least two DCG courses; one of these courses must be designated domestic (focused within the boundaries of the United States) while the second course may either be domestic or international/transnational (non-domestic) in focus. DCG courses listed below that are also approved for GE have their GE areas designated in the GE Area column.

*LD = Lower Division GE; UD = Upper Division GE;
‡ = Course requires one or more prerequisites*

COURSE	TITLE	GE AREA
ART 100	Global Perspectives in Art	Area C-LD
ART 104K	Africa, Oceania, the Americas	Area C-LD
ART 104M	Latin American Art	Area C-LD
ART 104N	Asian Art & Culture	Area C-LD
CHIN 107	Chinese Level III	Area C-LD
FILM 109	Film Comedy Around the World	Area C-LD
FREN 107	French Level III	Area C-LD
PHIL 104	Asian Philosophy	Area C-LD
RS 105	World Religions	Area C-LD
SPAN 107	Spanish Language & Culture III	Area C-LD
SPAN 108	Level III Heritage Speakers	Area C-LD
SPAN 108S	Level III Heritage Speakers	Area C-LD
CHIN 109	Introduction to Chinese Studies	Area D-LD
ES 109	Introduction to Chinese Studies	Area D-LD
GEOG 105	Cultural Geography	Area D-LD
BIOL 304	Human Genetics	Area B-UD
MATH 301‡	Math & Culture: Historical Perspective	Area B-UD
ART 302	Topics in Global Art History	Area C-UD
ART 303	Global Contemporary Art	Area C-UD
DANC 303	Dance in World Cultures	Area C-UD
ENGL 305	Post Colonial Literature	Area C-UD
ENGL 308C	Women in Literature	Area C-UD
FREN 300	African Storytelling	Area C-UD
FREN 306	Sex, Class & Culture: Gender & Ethnic Issues in Int'l Short Stories	Area C-UD
GERM 306	Sex, Class & Culture: Gender & Ethnic Issues in Int'l Short Stories	Area C-UD
MUS 302	Music in World Culture	Area C-UD
RS 304	Cultural & Religious Heritage of Africa	Area C-UD
SPAN 306	Sex, Class & Culture: Gender & Ethnic Issues in Int'l Short Stories	Area C-UD
WS 306	Sex, Class & Culture: Gender & Ethnic Issues in Int'l Short Stories	Area C-UD
WS 308C	Women in Literature	Area C-UD
ANTH 302	Anthropology of Religion	Area D-UD
ANTH 306	World Regions Cultural Studies	Area D-UD
ECON 306	Economics of the Developing World	Area D-UD
ES 306	World Regions Cultural Studies	Area D-UD
GEOG 300	Global Awareness	Area D-UD
PSCI 303	Third World Politics	Area D-UD
WS 303	Third World Women's Movements	Area D-UD
ANTH 315	Sex, Gender & Globalization	
BA 410‡	International Business	
CHIN 207	Chinese Level IV	
CRGS 390‡	Theory & Methods	
ENGL 465C‡	Multicultural Issues in Literature/Languages	
ES 310	US and Mexico Border	

DIVERSITY & COMMON GROUND: Non-Domestic

Undergraduates must complete at least two DCG courses; one of these courses must be designated domestic (focused within the boundaries of the United States) while the second course may either be domestic or international/transnational (non-domestic) in focus. DCG courses listed below that are also approved for GE have their GE areas designated in the GE Area column.

*LD = Lower Division GE; UD = Upper Division GE;
‡ = Course requires one or more prerequisites*

COURSE	TITLE
ES 465C‡	Multicultural Issues in Literature/Languages
FREN 207	French IV & Introduction to Francophone Studies
FREN 311	French V & Stories from the Francophone World
HIST 327‡	History of Brazil
HIST 345	Imperialism
HIST 377	Vietnam War
JMC 330	International Mass Communication
RS 340	Zen, Dharma & Tao
SPAN 207	Spanish Language & Culture IV
SPAN 208	Level IV Heritage Speakers
SPAN 208S	Level IV Heritage Speakers
TA 241	Theatre History II
WS 315	Sex, Gender & Globalization
WS 340	Ecofeminism: Global Women & Environment
WS 465C‡	Multicultural Issues in Literature/Languages

Components of the Degree: Majors, Minors, Electives

The **major** provides depth of study. For the BA (Bachelor of Arts) degree, the major consists of a minimum of 33 semester units. At least 12 units in the major must be upper division level. For the BS (Bachelor of Science) degree, a major requires a minimum of 36 semester units, with at least 18 upper division units.

Major programs must be approved by the university. A list of approved baccalaureate or undergraduate majors offered at Humboldt State appears at the beginning of the Academic Programs section in this catalog and is followed by detailed descriptions of the majors.

A major contract approved by the student's advisor and department chair must be submitted to the Office of the Registrar when a student applies for graduation or earlier. The major contract lists courses required for the major, including transfer courses and substitutions that have been reviewed and approved. Students should work with their academic advisor to develop a major contract before they have completed 90 units.

The **minor** is similar to the major but less comprehensive. Although a minor is not required for graduation, many students find a minor complements their studies and enhances their career opportunities.

A minor consists of 15-30 units, six of which must be upper division. A minimum 2.0 (C) GPA is required. Courses used for a minor can also be used for general education.

Students are generally prohibited from earning a major and minor from the same degree program. Exceptions can be made in combinations in which: 1) at least 9 units required for the minor are not already required for the major; In cases where there are "options" within the minor or major, a student must take options such that at least 9 units for the minor are not counted towards the major; and 2) the major and minor must be distinctly different programs.

Although minors are posted on the transcript, they are not listed on the diploma. A minor cannot be posted if completed after the degree has been awarded. It must be completed in conjunction with a degree or credential program.

Students choose **elective** courses (outside of specific degree requirements) to fulfill total unit requirements for the degree. An elective component may be part of the degree, depending on the chosen major and/or minor.

Because electives do not meet specific requirements, a student may use them to pursue individual goals and interests. A student also may use electives to complete a minor. Most Humboldt courses may be taken as electives.

THE MASTER'S DEGREE

Degree Programs

Humboldt State University is authorized to offer the following programs. Detailed requirements for each program appear in the next section of this catalog.

Master of Arts degree with majors in:

- Applied Anthropology*
- Education
- English
- Psychology
- Social Science: Environment & Community
- Sociology

Master of Science degree with majors in:

- Biology
- Environmental Systems
- Kinesiology
- Natural Resources

Master of Business Administration degree

Master of Social Work degree

* Program offered through the College of eLearning & Extended Education

General Admission Requirements

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

The minimum admission requirements are:

1. Have completed a four-year college course of study with a baccalaureate degree from an institution accredited by a regional accrediting association, or equivalent academic preparation as determined by appropriate campus authorities;
2. Good academic standing at the last college or university attended;
3. One of the following:
 - A grade point average (GPA) of at least 2.5 in an acceptable earned baccalaureate degree, or
 - A GPA of at least 2.5 in the last 60 semester (90 quarter) units attempted, or
 - Post-baccalaureate degree earned at an institution accredited by a regional accrediting association.
4. English language proficiency:
 - Regardless of their citizenship, all graduate and post-baccalaureate

applicants whose native language is not English and whose preparatory education was principally in a language other than English must demonstrate competence in English. See "English Language Proficiency" on page 33.

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

Application Process

To apply for admission to Humboldt State University, please visit CSU Mentor at www.csumentor.edu. CSU Mentor is available 24 hours, 7 days a week. Your completed admission application will be forwarded automatically to HSU. Applicants who completed undergraduate degree requirements and graduated the preceding term are also required to complete and submit an application and the \$55 nonrefundable application fee.

If you are not able to use the CSU web-based application, you may obtain an application by downloading a PDF file from the CSU Mentor website. Instructions on how to download a PDF application and where to send it are provided at www.csumentor.edu. You may submit the completed PDF application to the admissions office at the campus(es) where you want to apply.

Apply to Humboldt State University as early as possible. Fall applications are accepted beginning October 1; spring applications beginning August 1.

Deadlines for submitting graduate applications vary by program. Check with the Office of Admissions-Graduate, 707-826-6250, or the individual program office. While some admission categories remain open later than others, no applications will be accepted later than one month prior to the beginning of the term.

In addition to a CSU graduate application and all college transcripts (official), applicants are required to submit the materials listed under General Admission Requirements to complete their application. Please check with the individual departments for any additional requirements.

Classification. Applicants who meet the minimum requirements for graduate and post-baccalaureate studies may be admitted in one of the following categories:

- **Conditionally Classified.** This classification applies to students who have admission deficiencies that require additional preparation.
- **Classified.** This classification applies to students who have met all admission requirements. Attainment of this classification is required before advancement to candidacy.
- **Post-Baccalaureate Classified.** This classification applies to enrollment in certification programs.

(These and other CSU admissions requirements are subject to change as policies are revised and laws are amended. The CSU website, www.calstate.edu, and the CSU admissions portal, www.csumentor.edu, are good sources of the most up-to-date information.)

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.

Candidacy

Admission to candidacy is an acknowledgment 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

- "Classified" standing;
- A GPA of 3.0 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 HSU Forms website. Some programs require their stu-

dents to advance to candidacy within their first year at HSU.

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.

1. Completion of a specified program of study, usually requiring approval from the university department.
2. 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 Humboldt State University (residency requirement) unless an exception is made;
 - At least half the units must be at the graduate level;
 - No more than six thesis or project units will apply toward the degree with a maximum of nine total units for independent study, field work, and thesis/project courses.
3. B- or better in all courses taken to satisfy the requirements for the degree and maintain a grade point average of 3.0 (B) or better. A higher grade standard than the campus minimum (B-) may be specified by a graduate degree program.
4. 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 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.
5. 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.

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 3.0 (B grade average). See Academic Regulations, "Academic Standing" on page 36.

Continuous Enrollment

Students admitted to master's degree programs 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. If you have "substantial work" to do to complete your project/thesis, you will register as a regularly enrolled student. The number of units registered for would be estimated based on the amount of work required and the extent of faculty involvement.

Master's degree students who do not maintain continuous enrollment (two terms each academic year), and who have not been granted a leave of absence, are required to reapply for admission to the university and to the graduate program. If readmitted, they will be subject to any new admission or degree requirements that have been approved since their first admission to the program.

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, "Educational Leave

[Leave of Absence]" on page 44 for additional information.

Extended Education

Some departments allow master's students to register for one unit of a discipline-specific x693 course through the College of eLearning and 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 eLearning and Extended Education:

- Advancement to candidacy;
- Completion of all the coursework required for the degree; and
- Current graduation date on file with the Office of the Registrar.

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 HSU Forms website (www.humboldt.edu/forms).

This policy does not apply to credential candidates.

Additional requirements for registering through extended education vary by program.

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.

Graduation

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 HSU Forms website (www.humboldt.edu/forms). See the online *Registration Guide* for appropriate deadlines.

CERTIFICATES OF STUDY

Certificates of study are collections of courses in subjects other than those in which majors or minors are offered. A certificate of study is not the same as a teaching certificate, a credential, or a license.

Art Museum & Gallery Practices

Courses provide preparatory experience for working in art museums and commercial galleries, or pursuing graduate studies in the museum field. Study issues and topics related to museum and gallery operations and practice curatorship, registration, exhibition design and art preparation firsthand through production of actual art exhibitions for the on-campus Reese Bullen Gallery, Goudi'ni Gallery, and in local museums and galleries off campus. This certificate may be of particular interest to students majoring in art, anthropology, history, education, Native American studies, education, or business administration. For more information, call 707-826-3624.

Bioinformatics

This interdisciplinary program exposes biology, biochemistry, computer science, fisheries, math, and wildlife students to bioinformatics tools and their applications, and provides them hands-on experience in practicing those skills. Students earning this certificate become more competitive for entry into master's and Ph.D. programs and for jobs in the biotech and pharmaceutical industries. For information, contact the Biological Sciences Department, 707-826-3245.

Environmental Education & Interpretation

Develop basic skills for careers in natural resources interpretation and public information. Contact the Environmental Science & Management Department, 707-826-4147, or go to www.humboldt.edu/environment/programs/certificates.

Environmental & Natural Resources Planning

An overview of effective participation in multidisciplinary planning activities. Contact the Environmental Science & Management Department, 707-826-4147, or go to www.humboldt.edu/environment/programs/certificates.

Institutional Research

This post-baccalaureate online certificate program is for students and entry level career professionals to explore the discipline of institutional research (IR). It provides an introduction to the field of Institutional Research and forms a solid base of foundational knowledge for those interested in pursuing a career in IR. Two prerequisite graduate courses are required to enter the program: Research Methods, and Statistics. These can be taken through any accredited graduate program. Three courses are required to complete the certificate: Introduction to Institutional Research, Applied Research, and Diversity in Institutional Research. Because this program is offered through eLearning and Extended Education, no financial aid is available. The certificate is administered by the Institutional Research and Planning Office and is housed in the Department of Psychology, and administered through the Office of the College of eLearning and Extended Education. For more information or to complete an application, please call 707-826-5338 or visit the certificate program website at www.humboldt.edu/ircertificate.

Journalism

Prepare for a career in news, public relations, broadcasting, or another job within the mass media or related fields. Contact the Department of Journalism and Mass Communication, 707-826-4775.

Natural Resources Policy & Administration

Aimed at students seeking positions at advanced managerial levels in agencies and corporations responsible for managing natural resources. Contact the Environmental Science & Management Department, 707-826-4147, or go to www.humboldt.edu/environment/programs/certificates.

Wildland Fire Management

Curriculum is designed for those wishing to enhance or upgrade knowledge and skills in fire ecology, management of wildland fuels, prescribed fire, and fire behavior. Students can supplement previously taken college courses to help qualify for employment with various agencies and companies that manage wildlands. This program is specifically designed to help students to partially meet the educational requirements for the GS-401 Fire Management Specialist job series. For information, contact the Department of Forestry and Wildland Resources, 707-826-3935.

Women's Studies

Helps expand knowledge and experience in a particular area of women's studies. This certificate can be particularly useful for those entering careers in counseling, psychology, social work, health care, or teaching. Contact the Women's Studies program, 707-826-4925.



PREPARATORY COURSES OF STUDY

Preparatory courses of study are non-major programs offering supervised and independent studies to prepare students for specialty educational institutions.

PRE-LAW (non-major)

Pre-Law Advisors

Martin Flashman, flashman@humboldt.edu
Marlon Sherman, ms31@humboldt.edu

The Program

Pre-law is not a specific course of study in a particular discipline. **There is no established major or specific course of studies for pre-law preparation.** Many different routes exist for preparing for the study of law. Various legal professional organizations, such as the American Bar Association and the Association of American Law Schools, emphasize that success in legal education comes from a background that has devel-

oped the essential skills of **strong analytic thinking**, including the ability to analyze arguments and situations with sound reasoning, and the ability to **communicate well, both orally and in writing.**

Any number of possible majors and minors, along with elective courses, can be combined in preparation for the study of law. The best plan is to choose a major that interests you, and choose as many challenging courses from other areas as possible that support your development as noted above. Perhaps the best way to prepare for law school at Humboldt is to take challenging courses. This

will train your mind to perform well within the rigors of law school studies and later as a member of the legal profession.

Pre-law students should remain in close contact with one of the pre-law advisors.

Humboldt's Career Center has information on admission to law schools and the Law School Admission Test (LSAT).

More information is available through the Pre-Law Advising website at: www.humboldt.edu/prelaw.



PRE-PROFESSIONAL HEALTH (non-major)

Pre-Dental Advisor

John Reiss, jor1@humboldt.edu

Pre-Medical Advisor

Jacob Varkey, jpv1@humboldt.edu

Pre-Optometry Advisor

Jacob Varkey, jpv1@humboldt.edu

Pre-Pharmacy Advisors

Jacob Varkey, jpv1@humboldt.edu
Jeff Schineller, jbs4@humboldt.edu

Pre-Physical Therapy

Sheila Alicea, skk41@humboldt.edu
(see Kinesiology major)

Pre-Veterinary Advisors

Sharyn Marks, sbm1@humboldt.edu
Bruce O'Gara, bao3@humboldt.edu

College of Natural Resources & Sciences

Steve Smith, Ph.D., Dean

Biological Sciences

Science Complex B 221
707-826-3245
www.humboldt.edu/biosci

Humboldt's Career Center has information on requirements at medical and other professional schools.

The Program

Several of Humboldt's undergraduate programs in the biological and physical sciences prepare students to meet admissions requirements for health science professional schools. Usually these schools require a broad education in biological and physical sciences, which Humboldt provides.

Humboldt offers both supervised and independent studies to prepare for professional schools.

Requirements

Requirements listed here are typical for health science and related professional schools. Contact individual professional schools for specific requirements and consult pre-professional advisors.

- **General education** courses and other requirements for the major. (To demonstrate a well rounded background, the HIST 104-HIST 105 sequence is recommended.)
- **Biology:** BIOL 105, BIOL 340; ZOOL 110, ZOOL 310.

- **Chemistry:** CHEM 109, CHEM 110; CHEM 321, CHEM 322. Some schools may require CHEM 438 or the CHEM 431-CHEM 432 series. Start the CHEM 109-CHEM 110 sequence as soon as possible.
- **Mathematics:** MATH 109, MATH 110 (or MATH 105, MATH 205 for pre-medical students). The amount of calculus required by professional schools varies, but a full year is highly recommended. Start the mathematics sequence in the freshman year, because physics and chemistry courses have mathematics prerequisites. Pre-veterinary students should take STAT 109.
- **Physics:** PHYX 106, PHYX 107 sequence or PHYX 109, PHYX 110, PHYX 111.
- **Zoology:** ZOOL 270 is strongly recommended for pre-medical students.
- Other courses may be required to prepare adequately for appropriate aptitude examinations.

Pre-professional students should remain in close contact with their pre-professional advisors.



DEGREE PROGRAMS

MAJORS

Bachelor of Arts (BA)

Anthropology
Art
Chemistry
Child Development* *
Child Development/
Elementary Education* *
Communication
Criminology & Justice Studies
Critical Race, Gender and
Sexuality Studies*
Dance Studies*
Economics
Elementary Education* *
English
Environmental Studies
Film
French & Francophone Studies
Geography
Geology
History
Interdisciplinary Studies
International Studies*
Journalism
Leadership Studies*
Liberal Studies/
Elementary Education
Mathematics
Music
Native American Studies
Philosophy
Physics
Political Science
Psychology
Recreation Administration* *
Religious Studies
Social Work
Sociology
Spanish
Theatre Arts

Bachelor of Science (BS)

Biology
Botany
Business Administration
Chemistry
Computer Science
Environmental Management &
Protection
Environmental Resources
Engineering
Environmental Science
Fisheries Biology
Forestry

Geology
Kinesiology
Oceanography
Physics
Rangeland Resource Science
Wildlife
Zoology

MINORS

American Indian Education
American Sign Language &
Special Populations
Anthropology
Applied Mathematics
Applied Statistics
Appropriate Technology
Art History
Art Studio
Astronomy
Biology
Botany
Business Administration
Chemistry
Chinese Studies
Communication
Computer Science
Dance
Early Childhood Development
Ecological Restoration
Economics
English Literature
English Writing
Environmental & Natural
Resources Planning
Environmental & Natural
Resources Recreation
Environmental Education &
Interpretation
Environmental Ethics
Environmental Policy
Ethnic American Literatures
Ethnic Studies
Family Studies
Film
Fire Ecology
Fisheries Biology
Forestry
French & Francophone
Studies
Geography
Geology
Geospatial Analysis
German Studies
Health Education
History
Journalism

Kinesiology
Linguistics
Mathematics
Multicultural Queer Studies
Music
Native American Studies
Natural Resources
Oceanography
Philosophy
Physics
Political Science
Psychology
Rangeland Resource Science
Recreation Administration
Religious Studies
Scientific Diving
Social Advocacy
Sociology
Spanish
Teaching English as a
Second Language
Theatre Arts
Water Resource Policy
Watershed Management
Wildland Soil Science
Wildlife
Women's Studies
Zoology

CREDENTIALS

Elementary Education

Preliminary Credential in
Multiple Subjects

Secondary Education

Art
English/Language Arts
Mathematics
Music
Physical Education
Science
Social Science
Spanish

Educational Leadership

Preliminary Administrative
Services
Professional Clear
Administrative Services

Specialist Credentials

Adapted Physical Education
Special Education
Mild to Moderate &
Moderate to Severe
Disabilities

GRADUATE DEGREES

Master of Arts (MA)

Applied Anthropology* Education

English

Composition Studies &
Pedagogy
Literary & Cultural Studies
Peace Corps Service

Psychology

Academic Research
Counseling
School Psychology

Social Science

Environment & Community

Sociology

Public Sociology,
Ecological Justice and Action

Master of Business Administration (MBA)

Master of Science (MS)

Biology

Environmental Systems

Energy, Technology & Policy
Environmental Resources
Engineering
Geology
Mathematical Modeling

Kinesiology

Exercise Science
Teaching/Coaching

Natural Resources

Environmental & Natural
Resource Sciences
Fisheries
Forest, Watershed &
Wildland Sciences
Wildlife

Master of Social Work (MSW)

* an option within the
Interdisciplinary Studies
degree

** an option within Liberal
Studies degree

+ program offered through
the College of eLearning &
Extended Education

ADAPTED PHYSICAL EDUCATION

Adapted Physical Education Credential

See *Kinesiology for the Master of Science degree with a major in Kinesiology*.

Program Coordinator

Rock Braithwaite, Ph.D.

Department of Kinesiology & Recreation Administration

Kinesiology & Athletics 305

707-826-4536

www.humboldt.edu/kra

The Program

This program includes extensive fieldwork to prepare students to teach physical education to individuals with disabilities. Students develop teaching competencies in perceptual motor development, aquatics, game and sports skills, and physical fitness.

Admission Requirements

Submit the following documents to Kinesiology & Recreation Administration:

- letter of application, stating interest in working with a special group
- three letters of recommendation for admission to the program
- transcripts of all previous college work

Applicants must hold a basic teaching credential authorizing the teaching of physical education. A single subject credential with a supplementary authorization in sports and games is not a valid basic credential. The following are acceptable: single subject in physical education; multiple subject; standard secondary with a major or minor in kinesiology; standard elementary with a major or minor in kinesiology; standard early childhood; special secondary in PE; general elementary; general secondary; junior high school; kindergarten — primary.

PROGRAM REQUIREMENTS

All students receiving the Adapted Physical Education Specialist Credential must:

- successfully complete the California Basic Education Skills Test (CBEST)
- complete a CCTC-approved subject area program or pass the SSAT and/or Praxis tests authorizing the teaching of physical education
- maintain a 3.0 GPA in the following required courses:

REC 302	(3)	Inclusive Recreation
KINS 385	(3)	Adapted Physical Education
KINS 475	(3)	Elementary School Physical Education
KINS 484	(3)	Motor Development/ Motor Learning
KINS 535	(2)	Assessment Techniques
KINS 577	(4)	Adapted Physical Education Programs
KINS 578	(2)	Adapted Aquatics for Instructors
KINS 695	(1-6)	Directed Field Experience



AMERICAN INDIAN EDUCATION MINOR

Minor in American Indian Education

This minor is housed within the College of Professional Studies.

Contact

Department of Child Development

707-826-3471

childdev@humboldt.edu

www.humboldt.edu/cdblog

The Program

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

Core Courses (9 units)

AIE 330	(3)	History of Indian Education*
AIE 335	(3)	Social and Cultural Considerations
AIE 340	(3)	Educational Experiences*

Child Growth & Development (3 units)

Choose one from the following courses:

CD 253	(3)	Prenatal & Infant Development
CD 255	(3)	Early Childhood Development
CD 256	(3)	Middle Childhood Development

Language & Communication Awareness

(3 units)

Choose from one of the following courses:

AIE 380/AIE 580	(3)	Special Topics
NAS 340	(3)	Language & Communication in Native American Communities
NAS 345	(3)	Native Languages of North America

AIE courses also comprise a specialization within the Child Development major, as well as a special area of emphasis in the MA Education program.

AIE courses are available to all HSU students. Community members may enroll through Extended Education; call 707-826-3731 for a schedule of classes.



* Diversity/Common Ground courses.

AMERICAN SIGN LANGUAGE & SPECIAL POPULATIONS MINOR

Minor in American Sign Language and Special Populations

Department Chair

Claire Knox, Ph.D.

Department of Child Development

Harry Griffith Hall 229
707-826-3471
childdev@humboldt.edu
www.humboldt.edu/cdblog

The Program

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

Students must complete a total of 19 units as described below.

Children's Growth and Development (One 3-unit course)

- CD 253 (3) Prenatal and Infant Development, **or**
- CD 255 (3) Early Childhood Development, **or**
- CD 256 (3) Middle Childhood Development, **or**
- CD 350 (3) Perspectives: Life-Span Development

American Sign Language (6 units)

- CD 109Y (3) American Sign Language I,* **and**
- CD 109Z (3) American Sign Language II

Language Acquisition (3 units)

- CD 355 (3) Language Development

Special Needs Populations (7 units)

- CD 366 (3) Exceptional Children and their Families, **and**
- COMM 322 (4) Intercultural Communication, **or**
- COMM 324 (4) Nonverbal Communication



* Students with extensive prior experience using ASL may take the challenge exam to complete CD 109Y.

NOTE: 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% or greater on the challenge exam to earn a credit in CD 109Y and before proceeding to CD 109Z.

ANTHROPOLOGY

Bachelor of Arts degree with a major in Anthropology

Minor in Anthropology

Master of Arts degree in Applied Anthropology

Department Chair

Llyn Smith, Ph.D.

Graduate Coordinator

Marissa Ramsier, Ph.D.

Department of Anthropology

Behavioral & Social Sciences 506
707-826-3139

www.humboldt.edu/anthropology

THE BA PROGRAM

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 inter-related processes of change (biological and cultural evolution, diffusion, colonialism, globalization) both within cultures and across cultural boundaries
- the relevance of anthropology to present-day policy and social issues including medical intervention, economic development, language and cultural survival, and human rights
- practical skills needed to assume the roles and responsibilities of a productive member of a community (oral and written skills, research and library skills, technical computer skills) through classroom assignments, fieldwork, and professional service opportunities.

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.

Humboldt State'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 HSU. 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 crosscultural 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.

Preparation

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.

Please obtain a Major Contract form as soon as you decide to major in anthropology. You can pick one up from the departmental office, or print a copy from the Anthropology home page (www.humboldt.edu/anthropology). Review the form with your advisor each semester, and ask how to best apply international study and field school work toward the requirements of your major.

REQUIREMENTS FOR THE BACHELOR'S DEGREE

For a description of degree requirements to be fulfilled in addition to those listed below for the major, please see "The Bachelor's Degree" section of the catalog, pp. 58-74, and "The Master's Degree" section of the catalog, pp. 75-76.

Basic Core Requirements

- ANTH 104 (3) Cultural Anthropology
ANTH 105 (3) Archaeology and World Prehistory
ANTH 303 (3) Human Biology and Evolution
ANTH 338 (1) Biological Anthropology Lab
ANTH 310 (4) History of Anthropology

Methods Training (select 2 out of 3)

- STAT 108 (4) Elementary Statistics
ANTH 318 (4) Ethnography
ANTH 350 (4) Method & Theory in Archaeology

Breadth & Specialization

Specialization: Take at least 3 courses from your specialization group (9-12 units).

Breadth: In addition, take at least 1 course from each non-specialization group (6-8 units), **and**

Regional: Take 1 course (4 units) **and 2 seminars**, one of which must be linguistics (ANTH 485; 1 unit each).

Archaeology Specialization

- ANTH 357 (3-4) Field Archaeology
ANTH 359 (4) Special Topics in Archaeology
ANTH 374 (4) Cultural Resource Mgmt. Advisor Approved Elective (field program, independent study, etc.)

Biological Anthropology Specialization

- ANTH 331 (4) Paleoanthropology
ANTH 332 (4) Forensic Anthropology
ANTH 333 (4) Primatology
ANTH 339 (4) Special Topics in Biological Anthropology
Advisor Approved Elective (field program, independent study, etc.)

Sociocultural Anthropology & Linguistics Specialization

- ANTH 302 (3) Anthropology of Religion
ANTH 315 (4) Sex, Gender & Globalization
ANTH 316 (4) Anthropology & Development
ANTH 317 (4) Women & Development
ANTH 341 (4) Anthropological Linguistics
ANTH 329 (4) Special Topics in Social Anthropology
Advisor Approved Elective (field program, independent study, etc.)

Regional Courses

- ANTH 390 (4) World Regions Cultural Seminar
ANTH 394 (4) Archaeology of N. America
ANTH 395 (4) Mesoamerican Archaeology

Seminars

- ANTH 485 (1) Language & Human Evolution
ANTH 485 (1) Language & Prehistory
ANTH 485 (1) Language & Society
ANTH 485 (1) Anthropological Seminar (variable topic)

Capstone

- ANTH 410 (4) Anthropology Capstone

REQUIREMENTS FOR THE MINOR

- ANTH 104 (3) Cultural Anthropology
ANTH 105 (3) Archaeology and World Prehistory, **or**
ANTH 303 (3) Human Biology and Evolution
ANTH 338 (1) Biological Anthropology Lab

Plus 9 upper division units

THE APPLIED ANTHROPOLOGY MA PROGRAM

Students completing this program will have demonstrated that they:

- exhibit substantive knowledge of the discipline, and an advanced ability to apply disciplinary principles, theories, methods, and approaches
- possess a wide range of graduate level research and problem-solving skills enabling one to proficiently address complex human and environmental problems within academic and non-academic settings
- display knowledge and competency in all areas of anthropological ethics, cultural relativism, and social responsibility as applied to research, teaching, and service
- model life-long learning, and evince effective multi-modal communication, adaptability, perseverance, and proactive marketing of anthropological skills.

The MA in Applied Anthropology is a rigorous yet flexible program focused on building competitive, marketable skills. Applied Anthropology is the application of anthropological perspectives, methods, theories, and practices to human and environmental problems in academic, professional, and global contexts. Applied Anthropology crosses traditional disciplinary boundaries and is relevant to students of anthropology, history, human biology, environmental studies,

religious studies, sociology, art, geography, international studies, political science, and many other areas.

The program begins with a five-week Summer Institute held on the HSU campus, during which students will build camaraderie and receive rigorous hands-on methods training. While on campus, students work with resources such as the archaeology and biological anthropology laboratories, cultural artifact & skeletal collections, and simulated archaeological site. After the Summer Institute, students undertake the remaining coursework via online distance learning, either full-time (three semesters) or part-time (six semesters). Students who would like to be on campus are welcomed and will have access to departmental facilities.

Students will be held to rigorous standards and as such, graduates will gain competitive, broadly applicable skills and be in a position to confidently apply anthropological perspectives, theories, and methods to a variety of careers in today's academic, non-academic, and increasingly global job market.

REQUIREMENTS FOR THE MASTER'S DEGREE

Core Courses (26 units)

- ANTH 670 (2) Introduction to Applied Anthropology
ANTH 671 (3) Research Methods in Applied Anthropology
ANTH 672 (3) Theory in Applied Anthropology
ANTH 673 (3) Anthropology in Practice
ANTH 674 (3) Project Design and Management
ANTH 675 (3) Applied Anthropology Field Placement
ANTH 678 (3) Applied Anthropology Pro Seminar
[1 unit, repeated 3 times]
ANTH 690 (6) Master's Degree Thesis

Anthropology Electives (6 units)

Choose two or more of the following:

- ANTH 610 (4) History of Anthropological Theory
ANTH 618 (3) Ethnographic Methods
ANTH 621 (3) International Development
ANTH 637 (3) Applied Biological Anthropology
ANTH 654 (3) Cultural Resources Management
ANTH 679 (3) Applied Anthropology Region
ANTH 680 (3) Graduate Seminar
ANTH 681 (3) Advanced Research Training

Breadth Electives (3 units)

One or more, advisor-approved course from outside the discipline.

ADDITIONAL MA DEGREE INFORMATION

Summer Institute

5 units. 5 weeks at HSU, before Semester 1

- Courses: ANTH 670 & ANTH 671. Includes approximately 22 hours per week of required meetings in the classroom/lab/field.
- Milestones: Pass preliminary exams
- Following the Summer Institute, students may choose to complete the remainder of the program as either 3 full-time or 6 part-time semesters.

Full-Time Timeline

Semester 1, Fall (10+ units, online)

- Courses: ANTH 672, ANTH 673, ANTH 678 & one elective
- Milestones: Establish internship, thesis chair, preliminary thesis plan

Semester 2, Spring (10+ units, online)

- Courses: ANTH 674, ANTH 675, ANTH 678 & one elective
- Milestones: Complete internship, thesis committee formed, thesis topic approved, Advancement to Candidacy filed. Students will generally begin thesis research during the summer directly following this course if they have not done so already.

Semester 3, Fall (10+ units, online)

- Courses: ANTH 678, ANTH 690 & one elective
- Milestones: Thesis and defense completed, or progress approved by thesis committee.

Part-Time Timeline

Semester 1, Fall (4 units, online)

- Courses: ANTH 673 & ANTH 678
- Milestones: Establish internship

Semester 2, Spring (6+ units, online)

- Courses: ANTH 675 & one elective
- Milestones: Satisfactory progress on internship, which must be completed before the start of the fall term.

Semester 3, Fall (6+ units, online)

- Courses: ANTH 672 & one elective
- Milestones: Thesis chair, preliminary thesis plan

Semester 4, Spring (4 units, online)

- Courses: ANTH 674 & ANTH 678
- Milestones: Thesis committee formed, thesis topic approved, Advancement to Candidacy filed. Students will generally begin thesis research during the summer or fall directly following this course if they have not done so already.

Semester 5, Fall (4+ units, online)

- Courses: ANTH 678 & one elective
- Milestones: Thesis progress approved by thesis committee.

Semester 6, Spring (6 units, online)

- Courses: ANTH 690
- Milestones: Thesis and defense completed, or progress approved by thesis committee.

Students must file a formal “leave of absence” application if they are unable to continue enrollment. 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.

Conduct Requirements

Students are expected to maintain professional conduct and abide by ethical standards, in all aspects of and activities related to the program, in anthropological research and activities, and in all situations where they represent the program and discipline. The department reserves the right to dismiss from the program a student who does not abide by these rules.

**Field Placement Requirement**

Students are required to complete 180 hours of field placement that is focused on gaining hands-on applied experience in an area relevant to their focus. The field placement may, but is not required to be directly related to MA thesis research. Each student will arrange the field placement in close consultation with the student’s Advisor and the Graduate Coordinator. The arrangement and completion of the field placement will be integrated with ANTH 673 and ANTH 674, respectively.

Supplemental Coursework

In addition to program requirements, students may enroll in additional courses to develop interests and expertise and enable competent completion of specialized thesis topics. Students may enroll in non-program-courses following HSU’s Open University policy.

Grade and Progress Requirements, Continuous Enrollment Requirements, and Leave of Absences

Students must pass preliminary exams at the end of the Summer Institute to continue in the program, and each semester students are expected to maintain at least a B average and pass all courses with a C or better. If the thesis is not expected to be completed according to the standard timeline, students are required to enroll in at least one unit (usually thesis units) each fall and spring until work is complete and both committee members have approved the final written thesis and oral defense. Extension of thesis completion deadlines must be approved by the advisor and Graduate Coordinator.

APPLIED STATISTICS MINOR

Minor in Applied Statistics

Information

Tyler Evans, Ph.D., Chair
Department of Mathematics
707-826-3143

The Program

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

MATH 115 (4) Algebra & Elementary Functions, **or** equivalent math placement code

One of the following calculus courses:

MATH 105 (3) Calculus for the Biological Sciences & Natural Resources

MATH 109 (4) Calculus I

One of the following introductory courses:

PSYC 241 (4) Introduction to Psychological Statistics

STAT 108 (4) Elementary Statistics

STAT 109 (4) Introductory Biostatistics

One of the following intermediate courses:

BA 332 (4) Intermediate Business Statistics

PSYC 478 (4) Analysis of Variance

STAT 333 (4) Linear Regression Models/ANOVA

Two topics courses from the following list:

STAT 323 (4) Probability & Statistics
STAT 404 (4) Multivariate Statistics
STAT 406 (4) Sampling Design & Analysis

STAT 409 (4) Experimental Design & Analysis

STAT 410 (4) Modern Statistical Modeling

STAT 480 (1-3) Special Topics in Statistics

One advanced applications course from the following list:

BA 446 (4) Marketing Research
FISH 458 (4) Fish Population Dynamics
FOR 311 (4) Forest Mensuration & Growth

PSYC 488 (4) Regression/Multivariate Topics

WLDF 311 (4) Wildlife Techniques

WLDF 478 (3) Animal Energetics or other applications course with substantial statistics content, as approved by the Applied Statistics coordinator.



APPROPRIATE TECHNOLOGY MINOR

Minor in Appropriate Technology

Advisors

Arne Jacobson, Ph.D.
Department of Environmental Resources Engineering
Harry Griffith Hall 116B
707-826-3184

John Meyer, Ph.D.
Department of Politics
Founders Hall 138
707-826-4497

The Program

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. An HSU 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 on the HSU 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 policymaking, 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 Resource Engineering or a related field.

REQUIREMENTS FOR THE MINOR

ENGR 114 (2) Whole Earth Engineering
ENGR 305 (3) Appropriate Technology
ENGR 308 (3) Technology and the Environment

PSCI 364 (4) Technology & Development
PSCI 373 (4) Politics of Sustainability
SOC 320 (4) Social Ecology



**Bachelor of Arts degree
with a major in Art —**
concentrations in Art History
and Art Studio

Minor in Art History

Minor in Art Studio

**Certificate of Study in
Art Museum & Gallery Practices**
(see Certificates of Study)

The Art Department is a fully accredited member of the National Association of Schools of Art and Design.

Department Chair
Kris Patzlaff, MFA

Department of Art
Art Complex 121
707-826-3624
www.humboldt.edu/art

REQUIREMENT FOR THE MAJOR

For a description of degree requirements to be fulfilled in addition to those listed below for the major, please see "The Bachelor's Degree" section of the catalog, pp. 58-74.

Students must receive a minimum grade of C- in any major course for it to count toward the major.

ART HISTORY CONCENTRATION

The Program

Students completing this program will have demonstrated:

- recognition of art from a diverse number of periods, cultures, and civilizations
- experience with the materials and working methods of artists
- study of at least one foreign language
- the ability to find information in the library using both traditional and online resources
- recognition of different methods of interpretation
- use of the vocabulary and language of visual analysis
- understanding of the relationship of art to other disciplines in the humanities, social sciences, or sciences
- oral presentation of information and ideas to a group
- written presentation of information and ideas in a formal research paper.

At Humboldt, art history is taught in a variety of ways, based on the visual and historical contexts in which art is created. At the beginning level of instruction, the program features period courses (ART 104 series), such as Renaissance Art and 20th Century Art. These courses introduce works of art within their historical contexts.

Upper division courses focus on narrower periods, movements, artists, or problems, such as Rococo & Revolution and Public Art.

The undergraduate seminar provides a capstone experience preparing students for advanced study leading to teaching and curatorial careers.

Besides courses in art history, students enroll in at least two studio art courses to familiarize themselves with materials and creative working methods of artists. Study of gallery and museum methods gives students both theoretical and practical experience in the important areas of art display and management. This can lead to careers in the gallery and museum world. Students also complete a year of language study to learn how language affects thinking and visual experience in other cultures.

Preparation

In high school take as many art courses as possible in a variety of areas.

Requirements for the Major Art History Concentration

Lower Division

ART 103 (3) Introduction to Art History

Four courses (12 units) from the ART 104 series

Two lower division studio art classes

One year of a language other than English at the college level (French, German, and Spanish are recommended).

Upper Division

ART 356 (3) Museum & Gallery Practices

ART 410 (4) Seminar in Art History

Upper division art history (15 units)

Electives to bring total units to 120 (40 units must be upper division)

Requirements for the Minor in Art History

Lower Division

ART 103 (3) Introduction to Art History

Plus two ART 104-series art history courses (6 units)

Upper Division

Three upper division art history courses (9 units)

ART STUDIO CONCENTRATION

The Program

Students completing this program will have demonstrated:

- perceptual and technical skills and basic fundamentals in a variety of media and have depth of knowledge in one or more studio areas
- familiarity with the history of visual ideas, vocabulary, and the language of visual analysis
- utilization of new technological advances where appropriate
- problem solving abilities, individual intuition, creativity, and vision
- the importance of locating the functions of art in current and historical cultural contexts
- integration of knowledge gained in both studio and art history courses

The studio concentration has classes in painting, ceramics, drawing, graphic design, jewelry and metalsmithing, photography, printmaking, and sculpture. We provide large and well equipped studio facilities (including a computer lab), small classes with individual attention, and a faculty of 20 artists who remain active in their own creative pursuits.

The lower division core has courses common to all areas of inquiry in the visual arts. 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.

In addition to their studio courses, students must complete 12 units of art history in order to familiarize themselves with the history of visual ideas.

Students can view exhibits at the campus Reese Bullen Gallery as well as at the First Street Gallery in downtown Eureka. Both galleries bring challenging and thoughtful exhibitions of contemporary art to the Humboldt community. Besides curating shows of artists from outside the area, the galleries exhibit the work of faculty members and students.

Student Access Gallery Club, a student-run organization, curates and exhibits student work in three separate venues around campus.

Humboldt's art graduates have gone on to become graphic artists, webpage designers, painters, commercial jewelers, art historians and teachers. Other careers: printmaking, art direction, art museum work, exhibition design, package design, silk screening, sculpting, illustration, photography, jewelry, and ceramics.

Preparation

In high school take as many art courses as possible in a variety of areas.

Requirements for the Major Art Studio Concentration

Lower Division Core

- ART 103 (3) Introduction to Art History
- ART 104I (3) 20th Century Art
- ART 105B (3) Beginning Drawing
- ART 105C (3) Color and Design
- ART 109 (3) Beginning Sculpture

Lower Division Studio Electives

Select four courses (12 units) from:

- ART 106 (3) Beginning Painting
- ART 107 (3) Beginning Printmaking
- ART 108 (3) Beginning Graphic Design
- ART 122 (3) Life Drawing I
- ART 250 (3) Beginning Darkroom Photography
- ART 251 (3) Beginning Digital Photography
- ART 280 (3) Beginning Jewelry
- ART 290 (3) Beginning Ceramics

Upper Division

- ART 437 (3) Professional Practices in Art

Two courses in upper division art history (minimum six units)

18 upper division studio units (ART 356 recommended)

Requirements for the Minor in Art Studio

Lower Division

ART 105B (3) Beginning Drawing

Plus 6 units of studio electives

Upper Division

9 units of studio electives



ART EDUCATION

Bachelor of Arts degree

with a major in Art — education option preparatory to a fifth-year single subject teaching credential program

The Art Department is a fully accredited member of the National Association of Schools of Art and Design and an approved subject matter waiver program through the California Commission on Teacher Credentialing.

Department Chair

Kris Patzlaff, MFA

Department of Art

Art Complex 121

707-826-3624

www.humboldt.edu/art

The Program

The undergraduate subject-matter program in art education prepares students to teach in a junior high and senior high school. The art education curriculum is a combination of studio, art history, and museum practices; this prepares the student for more advanced training to become an art educator either in schools or museums. Our program is an approved subject matter waiver program through the California Commission on Teacher Credentialing.

The lower division core classes build a strong foundation for students developing the skills and tools needed in becoming an artist or teacher. In upper division classes, students have the opportunity to concentrate in a particular studio area while taking courses that prepare them to teach a broad spectrum of courses offered in a junior or high school.

Students will familiarize themselves with the four components of the California Visual and Performing Arts Framework and the California Visual and Performing Arts Content Standards in order to develop strategies for teaching and lessons for instruction. We have a service learning component built into the art education classes. Students have the opportunity to develop curriculum and teach art in local schools and docent school children at the local galleries and museums.

In the fifth-year credentialing program, students 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 the competency assessment of subject matter, which takes place spring semester of the senior year.

REQUIREMENTS FOR THE MAJOR

For a description of degree requirements to be fulfilled in addition to those listed below for the major, please see "The Bachelor's Degree" section of the catalog, pp. 58-74.

Students must receive a minimum grade of C- in any major course for it to count toward the major.

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.

Lower Division Core

- ART 103* (3) Introduction to Art History
- ART 105B* (3) Beginning Drawing
- ART 105C (3) Color & Design
- ART 106 (3) Beginning Painting
- ART 109 (3) Beginning Sculpture
- ART 122 (3) Life Drawing I

* Prerequisite to further art coursework.

Lower Division Art History

Select one course from the following 104 series: ART 104I through ART 104N.

Lower Division Studio

- ART 108 (3) Beginning Graphic Design
- ART 251 (3) Beginning Digital Photography
- ART 290 (3) Beginning Ceramics

Upper Division Core

- ART 357B (3) Curriculum & Development through Art Education I [fall only, take in your junior year]
- ART 357C (3) Curriculum & Development through Art Education II [spring only, take in your junior year]
- ART 497S (3) Service Learning & Art Education I [fall only, take in your senior year]
- ART 498S (3) Service Learning & Art Education II [spring only, take in your senior year]

Upper Division Art History

Select two courses from the following:

- ART 301 (3) Topics in Western Art History
- ART 302 (3) Topics in Global Art History
- ART 303 (3) Global Contemporary Art
- ART 304 (3) Topics in American Art

Upper Division Studio

Select three courses (9 units) of upper division Studio Electives.



BIOLOGY

Bachelor of Science degree with a major in Biology

Emphases include:

Cellular/Molecular Biology
Ecology & Biodiversity
Environmental Biology
General Biology
Marine Biology
Microbiology

Minor in Biology

Science Teaching Credential

Master of Science degree in Biology

Department Chair

Bruce O'Gara, Ph.D.

Department of Biological Sciences

Science Complex B 221

707-826-3245

www.humboldt.edu/biosci

The Program

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.

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 Biology 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.

Preparation

In high school take biology, chemistry, and physics (with labs, if possible); beginning and intermediate algebra; geometry; and trigonometry.

REQUIREMENTS

Students who receive a grade below a C- in any prerequisite course will require instructor approval for enrollment.

REQUIREMENTS FOR THE MAJOR

For a description of degree requirements to be fulfilled in addition to those listed below for the major, please see "The Bachelor's Degree" section of the catalog, pp. 58-74, and "The Master's Degree" section of the catalog, pp. 75-76.

Cellular/Molecular Biology Emphasis

Lower Division

BIOL 105 (4) Principles of Biology
BOT 105 (4) General Botany
CHEM 109 (5) General Chemistry I
CHEM 110 (5) General Chemistry II
MATH 105 (3) Calculus for the
Biological Sciences &
Natural Resources*

PHYX 106/PHYX 107 (4/4) College
Physics

STAT 109 (4) Introductory Biostatistics
ZOO 110 (4) Introductory Zoology

Take all lower division courses before beginning upper division work.

Upper Division

BIOL 307 (4) Evolution
BIOL 340 (4) Genetics
BIOL 410 (4) Cell Biology
BIOL 412 (4) General Bacteriology
BIOL 440 (2) Genetics Lab
BOT 310 (4) Gen. Plant Physiology, **or**
ZOO 310 (4) Animal Physiology, **or**
ZOO 312 (4) Human Physiology
CHEM 328 (4) Brief Organic Chemistry, **or**
CHEM 321/CHEM 322 (5/5) Organic
Chemistry

CHEM 438 (4) Introductory
Biochemistry, **or**
CHEM 431/CHEM 432 (5/5)
Biochemistry

BIOL 490 (1-2) Senior Thesis, **or**
BIOL 499 (1-2) Directed Study

Ecology & Biodiversity Emphasis

Lower Division

- BIOL 105 (4) Principles of Biology
BOT 105 (4) General Botany
ZOO 110 (4) Introductory Zoology
CHEM 109 (5) General Chemistry I
CHEM 110 (5) General Chemistry II
PHYX 106 (4) College Physics:
Mechanics & Heat
PHYX 118 (1) College Physics:
Biological Applications
MATH 105 (3) Calculus for Biological
Sciences & Natural
Resources*
STAT 109 (4) Introductory Biostatistics

One course from the following:

- FISH 320 (3) Limnology
GEOG 106 (3) Physical Geography
GEOL 109 (4) General Geology
OCN 109 (4) General Oceanography
SOIL 260 (3) Intro to Soil Science

Take all lower division courses before beginning upper division work.

Upper Division

- CHEM 328 (4) Brief Organic Chemistry
BIOL 340 (4) Genetics
BIOL 307 (4) Evolution
BIOL 330 (4) Principles of Ecology
BIOL 434 (4) Population & Community
Ecology
BIOL 438 (4) Field Ecology, **or**
BIOL 490 (1-2) Senior Thesis, **or**
BIOL 499 (1-2) Directed Study

One course from the following:

- BIOL 410 (4) Cell Biology
BIOL 412 (4) General Bacteriology
BOT 310 (4) General Plant Physiology
ZOO 310 (4) Animal Physiology

At least six units of additional courses from the following:

- BIOL 412 (4) General Bacteriology
BOT 350 (4) Plant Taxonomy
BOT 354 (4) Agrostology
BOT 355 (4) Lichens and Bryophytes
BOT 356 (4) Phycology
BOT 358 (2) Biology of Microfungi
BOT 359 (2) Biology of Ascomycetes
and Basidiomycetes
FISH 310 (4) Ichthyology
WLDF 365 (3) Ornithology I
ZOO 314 (5) Invertebrate Zoology
ZOO 316 (3) Freshwater Invertebrates
ZOO 354 (4) Herpetology
ZOO 356 (3) Mammalogy
ZOO 358 (4) General Entomology
ZOO 556 (4) Marine Mammalogy

One upper division statistics course [e.g.,
STAT 333, STAT 406, STAT 409]

At least **three** additional upper division
courses in the biological sciences to be
chosen in consultation with advisor.

Environmental Biology Emphasis

Lower Division

- BIOL 105 (4) Principles of Biology
BOT 105 (4) General Botany
CHEM 109 (5) General Chemistry I
CHEM 110 (5) General Chemistry II
MATH 105 (3) Calculus for the
Biological Sciences &
Natural Resources*
PHYX 106 (4) College Physics:
Mechanics & Heat
PHYX 118 (1) College Physics:
Biological Applications
STAT 109 (4) Introductory Biostatistics
ZOO 110 (4) Introductory Zoology

Take all lower division courses before beginning upper division work.

Upper Division

- BIOL 307 (4) Evolution
BIOL 330 (4) Principles of Ecology
BIOL 340 (4) Genetics
BIOL 410 (4) Cell Biology, **or**
BOT 310 (4) Gen. Plant Physiology, **or**
CHEM 328 (4) Brief Organic Chemistry,
or
ZOO 310 (4) Animal Physiology
Two courses in plant groups from:
BOT 350 (4) Plant Taxonomy
BOT 354 (4) Agrostology
BOT 355 (4) Lichens & Bryophytes
BOT 356 (4) Phycology
BOT 359 (2) Biology of Ascomycetes &
Basidiomycetes
BOT 360/BOT 360L (2/2) Biology of the
Fleshy Fungi/Lab

Two courses in animal groups from:

- FISH 310 (4) Ichthyology
WLDF 365 (3) Ornithology I
ZOO 314 (5) Invertebrate Zoology
ZOO 316 (3) Freshwater Aquatic
Invertebrates
ZOO 354 (4) Herpetology
ZOO 356 (3) Mammalogy
ZOO 358 (4) General Entomology
ZOO 556 (4) Marine Mammalogy

One anatomy/morphology course from:

- BOT 322 (4) Developmental Plant
Anatomy
BOT 372 (4) Evolutionary Morphology
of Plants

- ZOO 270 (4) Human Anatomy
ZOO 370 (4) Comparative Anatomy
of the Vertebrates

Two practical applications courses from:

- BIOL 412 (4) General Bacteriology
BOT 394 (3) Forest Pathology
BOT 458 (3) Pollination Biology
BOT 553 (3) Marine Macrophyte
Ecology
EMP 360 (3) Intro to Natural Resource
Planning Methods
REC 330 (3) Adventure Theory &
Practice
SOC 320 (4) Social Ecology
SOIL 260 (3) Intro to Soil Science
WLDF 460 (3) Conservation Biology
ZOO 430 (4) Comparative Animal
Behavior

Or other courses selected in consultation
with an advisor

One unit from:

- BIOL 490 (1-2) Senior Thesis, **or**
BIOL 499 (1-2) Directed Study

General Biology Emphasis

Lower Division

- BIOL 105 (4) Principles of Biology
BOT 105 (4) General Botany
CHEM 109 (5) General Chemistry I
CHEM 110 (5) General Chemistry II
MATH 105 (3) Calculus for the
Biological Sciences &
Natural Resources*
PHYX 106 (4) College Physics:
Mechanics & Heat
PHYX 118 (1) College Physics:
Biological Applications
STAT 109 (4) Introductory Biostatistics
ZOO 110 (4) Introductory Zoology

Take all lower division courses before beginning upper division work.

Upper Division

- BIOL 307 (4) Evolution
BIOL 330 (4) Principles of Ecology
BIOL 340 (4) Genetics
BIOL 412 (4) General Bacteriology
BIOL 410 (4) Cell Biology, **or**
BOT 310 (4) Gen. Plant Physiology, **or**
ZOO 310 (4) Animal Physiology, **or**
ZOO 312 (4) Human Physiology
CHEM 321/CHEM 322 (5/5) Organic
Chemistry, **or**
CHEM 328 (4) Brief Organic Chemistry

At least 15 additional units of upper division
courses in biological sciences, chosen in
consultation with an academic advisor.

Marine Biology Emphasis

Lower Division

BIOL 105	(4)	Principles of Biology
BIOL 255	(3)	Marine Biology
BOT 105	(4)	General Botany
CHEM 109	(5)	General Chemistry I
CHEM 110	(5)	General Chemistry II
MATH 105	(3)	Calculus for the Biological Sciences & Natural Resources*
OCN 109	(4)	General Oceanography
PHYX 106	(4)	College Physics: Mechanics & Heat
PHYX 118	(1)	College Physics: Biological Applications
STAT 109	(4)	Introductory Biostatistics
ZOOL 110	(4)	Introductory Zoology

Take all lower division courses before beginning upper division work.

Upper Division

BIOL 307	(4)	Evolution
BIOL 330	(4)	Principles of Ecology
BIOL 340	(4)	Genetics
BOT 356	(4)	Phycology
CHEM 328	(4)	Brief Organic Chemistry
FISH 310	(4)	Ichthyology
ZOOL 314	(5)	Invertebrate Zoology
BIOL 430	(3)	Intertidal Ecology, or
OCN 310	(4)	Biological Oceanography
BIOL 410	(4)	Cell Biology, or
BOT 310	(4)	Gen. Plant Physiology, or
ZOOL 310	(4)	Animal Physiology

One of the following:

BIOL 490	(1-2)	Senior Thesis, or
BIOL 498	(2)	Marine Biology Capstone Research, or
BIOL 499	(1-2)	Directed Study

Choose at least one advanced marine biology elective from the following list, or from any optional course NOT taken above.

BIOL 418	(3)	Marine Microbiology
BOT 553	(3)	Marine Macrophyte Ecology
FISH 375	(3)	Mariculture
FISH 435	(4)	Biology of Marine Fishes
OCN 410	(3)	Zooplankton Ecology
ZOOL 530	(3)	Benthic Ecology
ZOOL 552	(3)	Advanced Invertebrate Zoology
ZOOL 556	(4)	Marine Mammalogy

Microbiology Emphasis

Lower Division

BIOL 105	(4)	Principles of Biology
BOT 105	(4)	General Botany
CHEM 109	(5)	General Chemistry I
CHEM 110	(5)	General Chemistry II
MATH 105	(3)	Calculus for the Biological Sciences & Natural Resources*
PHYX 106	(4)	College Physics: Mechanics & Heat
PHYX 118	(1)	College Physics: Biological Applications
STAT 109	(4)	Introductory Biostatistics
ZOOL 110	(4)	Introductory Zoology

Take all lower division courses before beginning upper division work.

Upper Division

BIOL 307	(4)	Evolution
BIOL 330	(4)	Principles of Ecology
BIOL 340	(4)	Genetics
BIOL 412	(4)	General Bacteriology
BIOL 433/BIOL 433D	(3/1)	Microbial Ecology, or
BIOL 418	(3)	Marine Microbiology
BIOL 440	(2)	Genetics Laboratory
BOT 358	(2)	Biology of the Microfungi
CHEM 328	(4)	Brief Organic Chemistry
CHEM 431/CHEM 432	(5/5)	Biochemistry, or
CHEM 438	(4)	Introductory Biochemistry
BIOL 410	(4)	Cell Biology, or
BOT 310	(4)	Gen. Plant Physiology, or
ZOOL 310	(4)	Animal Physiology, or
ZOOL 312	(4)	Human Physiology
BIOL 490	(1-2)	Senior Thesis, or
BIOL 499	(1-2)	Directed Study

REQUIREMENTS FOR THE MINOR

BIOL 105	(4)	Principles of Biology
BOT 105	(4)	General Botany
ZOOL 110	(4)	Introductory Zoology

One of the following:

BIOL 410	(4)	Cell Biology, or
BOT 310	(4)	Gen. Plant Physiology, or
ZOOL 310	(4)	Animal Physiology

An additional eight upper division units (approved by the minor advisor) in at least two of these three areas: biology, botany, zoology.

SCIENCE (BIOLOGY)

TEACHING CREDENTIAL

(See Biology Education)

REQUIREMENTS FOR THE MASTER'S DEGREE

Students completing this program will have demonstrated the ability to:

- demonstrate a thorough understanding of fundamental knowledge in biology and the essential literature in their specific research or project area
- propose, design, and conduct research or a project in biological sciences and demonstrate proficiency in the techniques and methods of analysis appropriate for their research or project area
- present the results of their research or project to an appropriate forum in both oral and written format.

Requirements For Admission

- Bachelor's degree in biology, botany, zoology, or a related subject area approved by the Department of Biological Sciences.
- Undergraduate GPA at least 2.5 overall or 3.0 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 upper division or graduate units in biological sciences or supporting courses approved by the graduate committee, including BIOL 683 and BIOL 684 (normally taken at the first opportunity) and two seminars (BIOL 685). A minimum of 18 units must be at the graduate level.
- Combined total of not less than four nor more than eight units of BIOL 690 and/or BIOL 699 (with a maximum of six units in BIOL 690) and a thesis or project approved by the graduate committee.
- While in residence, enrollment in a minimum of two units per semester of BIOL 690 or BIOL 699.
- Oral presentation of the thesis or project work and defense of the thesis or project before the graduate committee.



* MATH 109 may substitute for MATH 105.

BIOLOGY [SCIENCE] EDUCATION

Bachelor of Science degree with a major in Biology —

concentration in science education
leading to a single subject teaching
credential

Biology Information:

Credential Advisor
Jeffrey White, Ph.D.
707-826-5551

Department Chair

Bruce O'Gara, Ph.D.

Department of Biological Sciences

Science Complex B 221
707-826-3245
www.humboldt.edu/biosci

The Program

Prepare to teach science (biology) in junior high school and high school. (For information on the preliminary and professional clear teaching credentials, see Education.)

Biology

Humboldt has the largest greenhouse in the California State University system, where students can examine a variety of plants in a variety of microclimates. Humboldt also has an extensive herbarium plus vertebrate and invertebrate museums. Students gain hands-on experience using plant growth chambers and electron microscopes.

In addition, the university has a marine laboratory in nearby Trinidad.

Preparation

Biology: In high school take biology, chemistry, and physics (with labs), plus algebra (beginning and intermediate), trigonometry, and geometry.

REQUIREMENTS

For a description of degree requirements to be fulfilled in addition to those listed below for the major, please see "The Bachelor's Degree" section of the catalog, pp. 58-74.

Students who receive a grade below a C- in any prerequisite course will require instructor approval for enrollment.

Please note: Degree requirements listed here do not include professional education courses required for the credential.

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. In addition, they must take EDUC 285 or equivalent.

Courses listed here are subject to change. Please see an advisor.

Biology Education

Lower Division

- BIOL 105 (4) Principles of Biology
- BOT 105 (4) General Botany
- CHEM 109 (5) General Chemistry I
- CHEM 110 (5) General Chemistry II
- GEOL 109 (4) General Geology
- MATH 105 (3) Calculus for the Biological Sciences & NR
[or MATH 109]
- PHYX 106 (4) College Physics:
Mechanics & Heat
- PHYX 107 (4) College Physics:
Electromagnetism &
Modern Physics
- STAT 109 (4) Introductory Biostatistics
- ZOOL 110 (4) Introductory Zoology

Take all lower division courses before beginning upper division work.

Upper Division

- BIOL 307 (4) Evolution
- BIOL 330 (4) Principles of Ecology
- BIOL 340 (4) Genetics
- BIOL 412 (4) General Bacteriology
- BIOL 440 (2) Genetics Laboratory
- BOT 350 (4) Plant Taxonomy
- CHEM 328 (4) Brief Organic Chemistry
- ZOOL 312 (4) Human Physiology



BOTANY

Bachelor of Science degree with a major in Botany

Minor in Botany

Master of Science degree in Biology (see Biology)

Department Chair

Bruce O'Gara, Ph.D.

Department of Biological Sciences

Science Complex B 221

707-826-3245

www.humboldt.edu/biosci

The Program

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.

Humboldt State University 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.

Preparation

In high school take biology, chemistry, and physics (with labs, if possible), algebra (beginning, intermediate), geometry, and trigonometry.

REQUIREMENTS

Students who receive a grade below a C- in any prerequisite course will require instructor approval for enrollment.

REQUIREMENTS FOR THE MAJOR

For a description of degree requirements to be fulfilled in addition to those listed below for the major, please see "The Bachelor's Degree" section of the catalog, pp. 58-74, and "The Master's Degree" section of the catalog, pp. 75-76.

Lower Division

- BIOL 105 (4) Principles of Biology
BOT 105 (4) General Botany
CHEM 109 (5) General Chemistry I
CHEM 110 (5) General Chemistry II
MATH 105 (3) Calculus for the Biological Sciences & Natural Resources
[MATH 109 may substitute for MATH 105.]
PHYX 106 (4) College Physics: Mechanics & Heat

- PHYX 118 (1) College Physics: Biological Applications
STAT 109 (4) Introductory Biostatistics
ZOO 110 (4) Introductory Zoology

Upper Division

- BIOL 307 (4) Evolution
BIOL 330 (4) Principles of Ecology
BIOL 340 (4) Genetics
BOT 310 (4) Gen. Plant Physiology

Three courses in plant groups from the following four:

1. BOT 350 (4) Plant Taxonomy
2. BOT 355 (4) Lichens & Bryophytes
3. BOT 356 (4) Phycology
4. One of the following mycology options:
 - BOT 358 (2) Biology of the Microfungi, **and**
 - BOT 359 (2) Biology of Ascomycetes & Basidiomycetes, **or**
 - BOT 360/BOT 360L (2/2) Biology of the Fleshy Fungi/Lab, **or**
 - BOT 394 (3) Forest Pathology

- CHEM 328 (4) Brief Organic Chemistry
BOT 322/BOT 522 (4) Developmental Plant Anatomy, **or**
BOT 372/BOT 572 (4) Evolutionary Morphology of Plants
BIOL 412 (4) General Bacteriology, **or**
One upper division zoology course with lab

One unit from:

- BIOL 490 (1-2) Senior Thesis, **or**
BIOL 499 (1-2) Directed Study

REQUIREMENTS FOR THE MINOR

- BIOL 105 (4) Principles of Biology
BOT 105 (4) General Botany

14 units of upper division courses in botany, approved by the botany minor advisor



BUSINESS ADMINISTRATION

Bachelor of Science degree with a major in Business

Administration — options available in accounting, finance, international business, management, marketing

Minor in Business Administration

Master of Business Administration

School Chair

Hari Singh, Ph.D.

School of Business

Siemens Hall 111

707-826-3224

www.humboldt.edu/business

The Program

Students completing this program will have demonstrated:

- basic knowledge of core business disciplines in a global context
- effective writing and presentation skills
- competent ethical reasoning skills
- understanding of basic sustainability (triple bottom line) from a strategic point of view
- strategic decision making skills that integrate knowledge from various business disciplines.

Our academic programs are infused with sustainability and focused on entrepreneurship. Talk to your advisor if you are interested in focusing your training in entrepreneurship. Our faculty are committed to providing students with opportunities for hands-on learning and collaborative, team-oriented projects. We are inspired to provide our students with a rigorous business training that is comprehensive, practical, and grounded in social and environmental responsibility and the triple bottom line.

Our goal is to educate students for lifelong learning. Our curriculum emphasizes critical thinking and communication skills stressing integration of business disciplines with options in accounting, finance, international business, management, and marketing.

Humboldt State University is committed to teaching in small classes. Business students learn to produce professional quality written assignments and oral presentations delivered in a realistic business setting.

Business students apply a wide-range of computing skills, including projects that develop their information research capability. Acquisition, analysis, and presentation of statistical data are quantitative skills that get special emphasis in our program.

Business majors can participate in student club activities, in internships, and in other special events that provide professional, practical experience.

Preparation

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 option 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 MAJOR

For a description of degree requirements to be fulfilled in addition to those listed below for the major, please see "The Bachelor's Degree" section of the catalog, pp. 58-74, and "The Master's Degree" section of the catalog, pp. 75-76.

Students must earn a minimum grade of C- in all required courses.

Lower Division Core (20 units)

BA 210	(4)	Legal Environment of Business
BA 250	(4)	Financial Accounting
BA 252	(4)	Management Accounting
ECON 210	(4)	Principles of Economics
STAT 108	(4)	Elementary Statistics

Upper Division Core (20 units)

BA 340	(4)	Principles of Marketing
BA 360	(4)	Principles of Finance
BA 370	(4)	Principles of Management
BA 494	(4)	Business & Society
BA 496	(4)	Strategic Management

Options (24 units)

Select one of the options listed below.

Be sure to check with the department office or with an advisor regarding the availability of option courses.

ACCOUNTING

BA 450	(4)	Int. Financial Accounting I
BA 451	(4)	Int. Financial Accounting II
BA 452	(4)	Cost Accounting, Planning & Control
BA 453	(4)	Tax Accounting
BA 454	(4)	Financial Statement Auditing

BA 455	(4)	Governmental & Nonprofit Accounting
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FINANCE

BA 332	(4)	Int. Business Statistics
BA 460	(4)	Investment Management
BA 462	(4)	Problems in Financial Management
BA 464	(4)	International Business Finance
BA 468	(4)	Capital Budgeting
ECON 435	(4)	Principles of Money & Banking

INTERNATIONAL BUSINESS

BA 410	(4)	International Business
BA 444	(4)	International Marketing
BA 464	(4)	International Business Finance
BA 475	(4)	International Management
ECON 305	(3)	International Economics & Globalization
ECON 305D	(1)	International Economics & Globalization - Add'l Depth (international experience encouraged - see advisor)
Elective		

MANAGEMENT

BA 310	(4)	Business Law
BA 401	(4)	Advanced Sustainable Management Applications
BA 470	(4)	Organization & Management Theories
BA 472	(4)	Change Management
BA 475	(4)	International Management
ECON 309	(3)	Economics of a Sustainable Society
ECON 309D	(1)	Economics of a Sustainable Society - Add'l Depth

MARKETING

BA 332	(4)	Int. Business Statistics
BA 444	(4)	International Marketing
BA 445	(4)	Marketing Communications
BA 446	(4)	Marketing Research
BA 448	(4)	Consumer Behavior
ECON 310	(4)	Int. Microeconomics

Electives

BA 378	(4)	Small Business Management
BA 379	(4)	Business Plan Development
BA 417	(4)	Small Business Consulting

These courses may be taken as substitutions upon advisor approval.

REQUIREMENTS FOR THE MINOR

A minor in business can complement your existing major by adding practical applied skills that are useful for the job market. A minimum of 18 units, nine of which must be upper division.

Suggested tracks for a minor:

Entrepreneurship Track

BA 110	(3)	Introduction to Business
BA 340	(4)	Principles of Marketing
BA 370	(4)	Principles of Management
BA 378	(4)	Small Business Management
BA 379	(4)	Business Plan Development

Marketing Track

BA 110	(3)	Introduction to Business
BA 340	(4)	Principles of Marketing
BA 444	(4)	International Marketing
BA 445	(4)	Marketing Communications
BA 448	(4)	Consumer Behavior

Management Track

BA 110	(3)	Introduction to Business
BA 370	(4)	Principles of Management
BA 470	(4)	Organization & Management Theories
BA 472	(4)	Change Management
BA 475	(4)	International Management

Accounting/Finance Track

BA 250	(4)	Financial Accounting
BA 252	(4)	Management Accounting
BA 360	(4)	Principles of Finance
BA 453	(4)	Tax Accounting
BA 460	(4)	Investment Management

General Business Track

BA 110	(3)	Introduction to Business
BA 210	(4)	Legal Environment of Business
BA 340	(4)	Principles of Marketing
BA 370	(4)	Principles of Management
BA 401	(4)	Advanced Sustainable Management Applications

MBA Track

STAT 108	(4)	Elementary Statistics
BA 250	(4)	Financial Accounting
BA 340	(4)	Principles of Marketing
BA 360	(4)	Principles of Finance
BA 370	(4)	Principles of Management

NOTE: Students who minor in Business Administration, who also intend to enter HSU's MBA program, must take ECON 210 Principles of Economics as an additional class.

Students must earn a minimum grade of C- in all required courses.

Before completing two courses in the program, students must meet with the minor advisor and sign a minor contract.

REQUIREMENTS FOR THE MASTER OF BUSINESS ADMINISTRATION

The program focuses on the long term strategic elements of sustainability. We analyze innovative companies that are creating new paradigms of how to create value in sustainable operations.

Students completing this program will have demonstrated the ability to:

- integrate core business concepts with sustainability concepts and frameworks
- apply and evaluate a variety of sophisticated 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.

Graduate students must maintain a 3.0 minimum GPA. No grade less than a B- will count for progress toward the degree.

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.

Our MBA is designed for students from any undergraduate major. 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.

Qualified students with an undergraduate business degree receive a paid graduate research assistantship to collaborate with a faculty member on cutting-edge research projects in finance, accounting, marketing, or management. The resulting conference presentations or publications in academic journals position our students for success in the job market. The graduate program can be completed in one year for full time students.

HSU has a long commitment to social and environmental responsibility. Our MBA program builds on that tradition by challenging our students to grow into innovative and responsible business leaders. We focus on big picture, long term thinking by analyzing accounting, financial, and marketing and strategic management issues based on the best practices of innovative organizations. Our creative entrepreneurial culture fosters critical systems thinking, effective communications, ethical reasoning, and team building.

Every student admitted to the program receives a scholarship and a mandatory paid internship that effectively integrates theory and practice, providing practical hands-on skills and work experiences.

Admission to the MBA program requires a minimum GMAT score of 500 or combined GRE score of 300, and a minimum undergraduate GPA of 2.75.

Degree Requirements

- **Undergraduate Prerequisite Courses** (16 units)

ACCOUNTING

BA 250	(4)	Financial Accounting [or equivalent]
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ECONOMICS

ECON 210	(4)	Principles of Economics [or equivalent]
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FINANCE

BA 360	(4)	Principles of Finance [or equivalent]
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STATISTICS

STAT 108	(4)	Elementary Statistics [or equivalent]
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Applicants must complete all the degree requirements shown above before enrolling in MBA courses.

- **MBA Core Courses** (37 units)

Fall Semester (13 units)

MBA 605	(4)	Strategic Sustainability Foundations
MBA 610	(4)	Research Methods
MBA 620	(4)	Accounting for the Triple Bottom Line
MBA 692	(1)	Master's Project

Spring Semester (13 units)

MBA 630	(4)	Marketing Management for Shared Value
MBA 640	(4)	Financial Management for Sustainable Growth
MBA 650	(4)	Designing Sustainable Organizations
MBA 692	(1)	Master's Project

Summer Capstone Term (11 units)

MBA 675	(4)	Sustainability/Ethics
MBA 679	(4)	Strategic Analysis
MBA 682	(2)	Business Internship
MBA 692	(1)	Master's Project



CENTER FOR ACADEMIC EXCELLENCE IN STEM (academic support program)

The Center for Academic Excellence in STEM (Science, Technology, Engineering, and Mathematics) at Humboldt State University is an initiative aimed at strengthening the quality of STEM education and research, increasing the number of underrepresented students graduating in STEM undergraduate disciplines and encouraging matriculation to STEM graduate programs to meet local, state, national and international workforce needs, building the university's capacity to advance and broaden knowledge in STEM disciplines, and enhancing the broader impact of STEM education and research. Degrees in the sciences and natural resources disciplines are:

- Biological Sciences
- Chemistry
- Computer Science
- Environmental Resources Engineering
- Environmental Science & Management
- Fisheries Biology
- Forestry and Wildland Resources
- Geology
- Mathematics
- Oceanography
- Physics and Astronomy
- Wildlife

Director

Dr. Jacquelyn Bolman
Walter Warren House 38
707-826-4998
jrb96@humboldt.edu

STEM Advisor

Lonyx Landry
Walter Warren House 38
707-826-5642
lbl2@humboldt.edu

Administrative Staff

Samantha Martinez
707-826-4998, fax 707-826-4995
srm55@humboldt.edu

www.humboldt.edu/inrsep

The Program

CAE-STEM and affiliated programs are seeking American Indian, Alaskan Native, Native Hawaiian students who are interested and dedicated to the ideals of serving Indigenous People through the science, engineering, and natural resources. Through participation at CAE-STEM, students will be ensured a working knowledge of contemporary and traditional American Indian communities not otherwise taught in formal classrooms.

By offering mentoring, cultural and academic advisement, scholarship and research opportunities, our intent is for students to develop the tools, skills, and values required to succeed in leadership roles within our families, community, and workforce.

Our program's foundational philosophy is built on generosity, courage, respect, and wisdom. As an Indigenous STEM community, we encourage trust, mutual sharing, and respect for others.

CAE-STEM Affiliated Programs

CAE-STEM sponsors several student organizations:

- HSU SACNAS Chapter (Society for the Advancement of Chicano's and Native Americans in Science)
- HSU AISES Chapter (American Indian Science and Engineering Society)
- CSU HSU-Louis Stokes Alliance for Minority Participation (LSAMP)
- U.S. Fish & Wildlife Professional Development Program



CHEMISTRY

Bachelor of Science degree with a major in Chemistry

**Bachelor of Science degree
with a major in Chemistry** –
option in Biochemistry

**Bachelor of Arts degree
with a major in Chemistry**

Minor in Chemistry

Department Chair

Monty Mola, Ph.D.

Department of Chemistry

Science Complex A 470

707-826-3277

www.humboldt.edu/chemistry

The Program

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
- 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.

Students majoring in chemistry may choose either a Bachelor of Science or a Bachelor of Arts degree. Both degrees offer excellent preparation for graduate study and professional schools.

The BS degree with a major in chemistry fulfills requirements for professional training established by the American Chemical Society. Students may choose the biochemistry option, which prepares them for careers in biochemistry and related fields, as well as for graduate study.

Students who choose the BA program find less specialization in chemistry and greater opportunity for study in other fields. This program is recommended for students wanting a standard teaching credential with specialization in secondary school teaching.

Potential careers: analytical chemist, biotechnologist, nutritionist, food and drug inspector, toxicologist, organic or inorganic chemist, medical technologist, genetic engineer, physical chemist, pharmacologist, science librarian, biochemist, forensic chemist, sanitarian, geochemist, environmental consultant, chemical engineer.

Preparation

High school students should take chemistry, English, and mathematics.

REQUIREMENTS FOR THE BACHELOR OF SCIENCE CHEMISTRY MAJOR DEGREE

For a description of degree requirements to be fulfilled in addition to those listed below for the major, please see "The Bachelor's Degree" section of the catalog, pp. 58-74. The Upper Division Area B General Education requirement is met by the coursework within the Bachelor of Science degree in Biochemistry.

Students must earn a minimum grade of C- in all courses with the "CHEM" prefix for the BS Chemistry Major degree.

Lower Division

CHEM 109	(5)	General Chemistry I
CHEM 110	(5)	General Chemistry II
MATH 109	(4)	Calculus I
MATH 110	(4)	Calculus II
MATH 210	(4)	Calculus III
PHYX 109	(4)	General Physics I
PHYX 110	(4)	General Physics II
PHYX 111	(4)	General Physics III

Upper Division

CHEM 310	(3)	Inorganic Chemistry I
CHEM 321	(5)	Organic Chemistry
CHEM 322	(5)	Organic Chemistry
CHEM 323	(1)	Nuclear Magnetic Resonance Spectroscopy Techniques
CHEM 330	(3)	Molecular Modeling
CHEM 341	(5)	Quantitative Analysis
CHEM 361	(3)	Physical Chemistry I
CHEM 362	(3)	Physical Chemistry II

CHEM 363	(2)	Physical Chemistry II Lab
CHEM 410	(3)	Inorganic Chemistry II
CHEM 410L	(2)	Inorganic Chemistry II Lab
CHEM 438	(4)	Introductory Biochemistry
CHEM 441	(4)	Instrumental Analysis
CHEM 485	(1)	Seminar in Chemistry

Plus free electives to bring the total units for the BS degree to 120.

Biochemistry Option

Students must earn a minimum grade of C- in all courses with the "CHEM" prefix for the BS Chemistry Major degree.

Lower Division

Same lower division requirements listed for the BS chemistry major plus:

BIOL 105	(4)	Principles of Biology
BOT 105	(4)	General Botany, or
ZOOL 110	(4)	Introductory Zoology

Upper Division

CHEM 321	(5)	Organic Chemistry
CHEM 322	(5)	Organic Chemistry
CHEM 323	(1)	Nuclear Magnetic Resonance Spectroscopy Techniques
CHEM 341	(5)	Quantitative Analysis
CHEM 361	(3)	Physical Chemistry I
CHEM 362	(3)	Physical Chemistry II
CHEM 431	(5)	Biochemistry
CHEM 432	(5)	Biochemistry
CHEM 485	(1)	Seminar in Chemistry
BIOL 340	(4)	Genetics

Plus one of the following:

ZOOL 310	(4)	Animal Physiology, or
BOT 310	(4)	Gen. Plant Physiology, or
BIOL 412	(4)	General Bacteriology

REQUIREMENTS FOR THE BACHELOR OF ARTS CHEMISTRY MAJOR DEGREE

For a description of degree requirements to be fulfilled in addition to those listed below for the major, please see "The Bachelor's Degree" section of the catalog, pp. 58-74.

Students must earn a minimum grade of C- in all courses with the "CHEM" prefix for the BA Chemistry Major degree.

Lower Division

CHEM 109	(5)	General Chemistry I
CHEM 110	(5)	General Chemistry II

Plus one of these calculus series:

- MATH 105 (3) Calculus for the Biological Sciences & Natural Resources
- MATH 205 (3) Multivariate Calculus for the Biological Sciences & Natural Resources, **or**
- MATH 109 (4) Calculus I
- MATH 110 (4) Calculus II
- MATH 210 (4) Calculus III

Plus one of these physics series:

- PHYX 106 (4) College Physics: Mechanics and Heat
- PHYX 107 (4) College Physics: Electromagnetism and Modern Physics, **or**
- PHYX 109 (4) General Physics I: Mechanics
- PHYX 110 (4) General Physics II: Electricity and Heat
- PHYX 111 (4) General Physics III: Optics and Modern Physics

Upper Division

CHEM 341 (5) Quantitative Analysis
CHEM 361 (3) Physical Chemistry I
CHEM 362 (3) Physical Chemistry II
CHEM 363 (2) Physical Chemistry II Lab
CHEM 485 (1) Seminar in Chemistry

One of these organic chemistry series

- CHEM 321 (5) Organic Chemistry
- CHEM 322 (5) Organic Chemistry
- CHEM 323 (1) Nuclear Magnetic Resonance Spectroscopy Techniques, **or**
- CHEM 328 (4) Brief Organic Chemistry

Plus additional approved courses to bring total units in upper division chemistry to 25.

Plus electives to bring the total BA units to 120.

REQUIREMENTS FOR THE MINOR

A minimum of 8 upper division units must be completed at Humboldt State University.

Students must earn a minimum grade of C- in all courses with the "CHEM" prefix for the BS Chemistry Minor degree.

Lower Division

CHEM 109 (5) General Chemistry I
CHEM 110 (5) General Chemistry II

Upper Division

15 approved upper division units, including at least one of the following sequences:

- CHEM 321 (5) Organic Chemistry
- CHEM 322 (5) Organic Chemistry
- CHEM 323 (1) Nuclear Magnetic Resonance Spectroscopy Techniques, **or**
- CHEM 341 (5) Quantitative Analysis
- CHEM 441 (4) Instrumental Analysis, **or**
- CHEM 361 (3) Physical Chemistry I
- CHEM 362 (3) Physical Chemistry II
- CHEM 363 (2) Physical Chemistry II Lab, **or**
- CHEM 431 (5) Biochemistry
- CHEM 432 (5) Biochemistry

For the required 15 upper division units, all of the above upper division courses and the following courses are approved for all students:

CHEM 310 (3) Inorganic Chemistry I
CHEM 330 (3) Molecular Modeling
CHEM 370 (3) Earth System Chemistry
CHEM 410 (3) Inorganic Chemistry II
CHEM 410L (2) Inorganic Chemistry II Lab
CHEM 495 (1-3) Undergraduate Research

The following courses are approved for all students except those listed:

CHEM 328 (4) Brief Organic Chemistry
[not approved for students getting credit for CHEM 321 or 322]

CHEM 438 (4) Introductory Biochemistry
[not approved for students getting credit for CHEM 431 or 432]



CHILD DEVELOPMENT [LIBERAL STUDIES]

**Bachelor of Arts degree
with a major in Liberal Studies –
Child Development**

Minor in Early Childhood Development

Minor in Family Studies (see Family
Studies)

**Minor in American Sign Language and
Special Populations** (see American
Sign Language & Special Populations)

Department Chair
Claire Knox, Ph.D.

Department of Child Development
Harry Griffith Hall 229
707-826-3471
childdev@humboldt.edu
www.humboldt.edu/cdblog

The Program

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).

This major focuses on the ever-growing body of knowledge about children and its applications. This interdisciplinary major provides a holistic approach to the study of children, from birth to age 18, and provides the basis for a variety of careers. These include: 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 and specialization 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 also select one of the following three tracks: Teaching, Child and Family Services, or Specialized Studies Track. Within the first two tracks, students select emphasis and specialization areas while the Specialized Studies is individually designed between student and advisor. For a simplified visual summary of the CD tracks, go to the Child Development website at www.humboldt.edu/cdblog.

Preparation

High school students should take courses in history, political science, English, and speech.

REQUIREMENTS FOR THE MAJOR

For a description of degree requirements to be fulfilled in addition to those listed below for the major, please see "The Bachelor's Degree" section of the catalog, pp. 58-74.

58-59 units are required depending on the track selected:

- **Core for all tracks (34 units), plus one of the following tracks**
 - **Teaching track (24 - 25 units)**
 - **Child & Family Services track (24 units)**
 - **Specialized Studies track (24 units)**

Students must earn a minimum grade of C- in all courses required for the major – core, emphasis, and specialization. It is recommended that students view our website for major requirements clarification: www.humboldt.edu/cdblog.

Core (34 units)

The core courses are required of all students and should be taken in the order listed below. (There may be scheduling problems that delay graduation if 200- and 300-level courses are postponed.)

- **One** course from the following four courses. (Selected in consultation with CD advisor.)

CD 253	(3)	Prenatal & Infant Development
CD 255	(3)	Early Childhood Development
CD 256	(3)	Middle Childhood Development
PSYC 414	(3)	Psychology of Adolescence & Young Adulthood

Plus:

CD 211	(3)	Perspectives: Professional Development, or
CD 211S	(3)	Perspectives: Professional Development
CD 257	(4)	Supervised Work with Children I
CD 310*	(3)	Perspectives: History & Theory, or
AIE 330	(3)	History of Indian Education
CD 350	(3)	Perspectives: Life-Span Development
CD 354	(3)	Methods of Observation
CD 355	(3)	Language Development, or
COMM 422	(4)	Children's Communication Development
CD 366	(3)	Exceptional Children & Their Families
CD 467*	(3)	Working with Culturally Diverse Families, or
CD 467S*	(3)	Working with Culturally Diverse Families, or
AIE 335	(3)	Social & Cultural Considerations
CD 469	(3)	Contemporary Issues in Child Development
CD 479	(3)	Policy Analysis & Advocacy

* Satisfies diversity/common ground and/or GE requirements.

** Counts for upper division Area B GE.

*** These courses require PSYC 104 as a prerequisite; students interested in a psychology emphasis are advised to take PSYC 104 to fulfill one of their lower division Area D GE Requirements.

Tracks (24-25 units): Students select track 1, 2, or 3:

Track 1 — Teaching (24-25 units including emphasis & specialization areas)

Emphasis Areas: All five courses required.

- CD 356 (3) Curriculum Development for Early Childhood
- CD 357 (3) Early Literacy
- CD 358 (3) Supervised Work with Children II
- CD 446/CD 546 (3) Structure & Content of Children's Thinking
- CD 482 (1-4) Directed Field Experience

Specialization Areas: Select specialization 1, 2, or 3:

▪ **Specialization 1: Early Childhood Education and Care**

- CD 255 (3) Early Childhood Development (required in CD core)
- CD 251 (3) Children, Families and Their Communities
- CD 352* (3) Parent/Child Relationships

and 2 - 3 units from:

- CD 362 (3) Children and Stress, **or**
- CD 463 (3) Administration of Early Childhood Programs, **or**
- CD 464 (3) Atypical Child Development

NOTE: Students completing the above specialization 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 both CD 461 and CD 463 (or equivalent courses) and an additional 3-unit program administration course. In addition, they need at least one year of documented experience as a Site Supervisor.

▪ **Specialization 2: Elementary Education**

- CD 256 (3) Middle Childhood Development (in core)
- MATH 308B & MATH 308C** (3 & 3) Mathematics for Elementary Education
- SCI 331 (3) Fundamental Concepts in Science Education
- KINS 475 (3) Elementary School Physical Education
- ART 358 (3) Art Structure

NOTE: Students completing the above specialization 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.

▪ **Specialization 3: Special Education/Early Intervention**

One of the following three core courses:

- CD 253 (3) Prenatal and Infant Development
- CD 255 (3) Early Childhood Development
- CD 256 (3) Middle Childhood Development

plus:

- CD 352* (3) Parent/Child Relationships

and 6 units from:

- CD 109Y (3) American Sign Language I, **or**
- CD 109Z* (3) American Sign Language II
- CD 362 (3) Children and Stress
- CD 464 (3) Atypical Child Development
- PSYC 418 (3) Developmental Psychopathology

* Satisfies diversity/common ground and/or GE requirements.

** Counts for upper division Area B GE.

*** These courses require PSYC 104 as a prerequisite; students interested in a psychology emphasis are advised to take PSYC 104 to fulfill one of their lower division Area D GE Requirements.

Track 2 — Child & Family Services

(24 units including emphasis & specialization)

Take the two following courses plus one emphasis area and one specialization area.

CD 251 (3) Children, Families and Their Communities

CD 352* (3) Parent/Child Relationships

▪ **Emphasis Areas** (Choose 9 units from one discipline in consultation with advisor.)*Child Development*

CD 358 (4) Supervised Work with Children II

CD 362 (3) Children and Stress

CD 464 (3) Atypical Child Development

CD 482 (1-4) Directed Field Experience

Psychology

PSYC 321*** (3) Intro Behavioral Neuroscience

PSYC 324*** (3) Cognitive Psychology

PSYC 337*** (3) Personality Theory and Research

PSYC 418 (3) Developmental Psychopathology

PSYC 436 (3) Human Sexuality

PSYC 454 (3) Interviewing and Counseling Techniques

PSYC 473 (3) Substance Use & Abuse

Social Work

SW 104* (3) Introduction to Social Work & Social Work Institutions

SW 340 (3) Social Work Methods I

SW 341 (3) Social Work Methods II

SW 431/CRIM 431 (4) Juvenile Delinquency

SW 442 (3) Special Issues in Social Work Methods

SW 480 (.5-4) Special Topics (Must be child and family related and approved by a Child Development advisor.)

Sociology

SOC 303* (3) Race and Inequality

SOC 305 (3) Modern World Systems

SOC 306* (3) The Changing Family

SOC 308 (3) Sociology of Altruism & Compassion

SOC 330 (4) Social Deviance

SOC 420 (4) Social Change

CRIM 431/SW 431 (4) Juvenile Delinquency

▪ **Specialization Areas** (Choose 9 units from one area.)*American Indian Communities*

AIE 335 (3) Social and Cultural Considerations

AIE 340 (3) Educational Experiences

AIE 380 (.5-3) Special Topics

NAS 306 (3) Indigenous Peoples of the Americas

NAS 340 (3) Language & Communication in Native American Communities

NAS 361 (3) Tribal Sovereignty, Tribal Citizens

Diversity

ES 105* (3) Introduction to US Ethnic Studies

ES 308* (3) Multi-Ethnic Resistance in the US

ES 326 (4) Media & the Politics of Representation

CRGS 360 (3) Race, Gender & US Law

Plus 3-6 units in Ethnic Studies, AIE, or Native American Studies relating to a specific ethnic group.

Family Intervention

SW 340 (3) Social Work Methods I

SW 341 (3) Social Work Methods II

SW 480 (.5-4) Special Topics in Family Violence

PSYC 454 (3) Interviewing and Counseling Techniques

Language

3-6 units of a modern language other than English

COMM 322 (4) Intercultural Comm.

ENGL 328 (4) Structure of American English

ENGL 417 (3) Second Language Acquisition

NAS 340 (3) Lang. & Comm. in Native American Communities

Program Administration

BA 110 (3) Introduction to Business

BA 210 (4) Legal Environment of Business

BA 250 (4) Financial Accounting

BA 310 (4) Business Law

BA 340 (4) Principles of Marketing

BA 360 (4) Principles of Finance

BA 370 (4) Principles of Management

CD 463 (3) Administration of Early Childhood Programs

Recreational Programming

REC 200 (3) Leisure in Society

REC 210 (3) Recreation Leadership

REC 302 (3) Inclusive Recreation

REC 320 (3) Organization, Administration & Facility Planning

REC 330 (3) Adventure Theory & Practice

REC 345 (3) Environmental Education

REC 420 (3) Legal & Financial Aspects

Special Populations

CD 109Y (3) American Sign Language I

CD 109Z* (3) American Sign Language II

CD 362 (3) Children and Stress

CD 464 (3) Atypical Child Development

PSYC 418 (3) Developmental Psychopathology

* Satisfies diversity/common ground and/or GE requirements.

** Counts for upper division Area B GE.

*** These courses require PSYC 104 as a prerequisite; students interested in a psychology emphasis are advised to take PSYC 104 to fulfill one of their lower division Area D GE Requirements.

Track 3 - Specialized Studies (24 units total)

This track is individually designed for students who require specialized preparation and/or post-graduate studies (e.g. Child Life Specialist). Students select courses in consultation with their advisor. The program must include:

CD 482 (1-4) Directed Field Experience, **or**
CD 499 (1-4) Directed Study

In addition, child development faculty recommend the program include:

- A coherent emphasis including at least 9 units from a single discipline
- A specialization of at least 7 related units associated with the emphasis
- Specific courses that may be required or recommended for graduate school admission or specialized post-baccalaureate education

Early Childhood CAP Transfer Option

The Early Childhood CAP (Curriculum Alignment Project) Transfer Option is designed for students who have completed a CA Curriculum Alignment Project (CAP) approved, 24-unit early childhood transfer package at a California Community College. Such students should follow the plan of study below to complete the Child Development major at Humboldt State within two years of full-time study if lower division education coursework is also complete.

CAP Transfer Option Requirements

Core (33-34 units)

- CD 211 (3) Perspectives: Professional Development, **or**
CD 211S (3) Perspectives: Professional Development
- CD 350 (3) Perspectives: Life-Span Development
CD 310 (3) Perspectives: History & Theory
CD 354 (3) Methods of Observation
CD 355 (3) Language Development, **or**
COMM 422 (4) Children's Communication Development
- CD 366 (3) Exceptional Children & Their Families
CD 467* (3) Working with Culturally Diverse Families, **or**
CD 467S* (3) Working with Culturally Diverse Families, **or**
CD 465 (2-3) Parents in Partnership
CD 469 (3) Contemporary Issues in Child Development
CD 479 (3) Policy Analysis & Advocacy

NOTE: The core 3 units of child growth and development and 3-4 units for the first practicum are covered by transfer package.

Emphasis and Specialization (8 units)

- CD 358 (4) Supervised Work with Children II
CD 482 (1-4) Directed Field Experience
CD 499 (1) Family Theory

CAP-Approved Transfer Package (18 units)

Includes curriculum; principles and practices of teaching young children; child, family, and community; child health, safety, and nutrition; teaching in a diverse society; observation and assessment.

REQUIREMENTS FOR THE MINORS

Early Childhood Development

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. Students must complete courses in the following areas:

Growth & Development (complete two):

- CD 253 (3) Prenatal & Infant Development
CD 255 (3) Early Childhood Development
CD 350 (3) Perspectives: Life-Span Development

Completion of one of the above courses is a prerequisite to all other courses in the minor.

Guidance & Discipline (complete one):

- CD 257 (4) Supervised Work with Children I
CD 354 (3) Methods of Observation

Special Needs of Children (complete one):

- CD 362 (3) Children & Stress
CD 366 (3) Exceptional Children & Their Families
CD 464 (3) Atypical Child Development

Family Relations (complete one):

- CD 251 (3) Children, Families and Their Communities
CD 352* (3) Parent/Child Relations
CD 467* (3) Working with Culturally Diverse Families

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 www.childdevelopment.org or the California Commission on Teacher Credentialing website at www.ctc.ca.gov/credentials/CREDS/child-dev-permits.html.

American Indian Education Minor

See American Indian Education.

American Sign Language and Special Populations Minor

See American Sign Language and Special Populations.

Family Studies Minor

See Family Studies.



* Satisfies diversity/common ground and/or GE requirements.

** Counts for upper division Area B GE.

*** These courses require PSYC 104 as a prerequisite; students interested in a psychology emphasis are advised to take PSYC 104 to fulfill one of their lower division Area D GE Requirements.

CHILD DEVELOPMENT / ELEMENTARY EDUCATION [LIBERAL STUDIES]

**Bachelor of Arts degree
with a major in Liberal Studies –**
Child Development/Elementary
Education*

Please note: This program is distinct from Humboldt's Child Development (Liberal Studies) program or Liberal Studies/Elementary Education.

Department Chair
Claire Knox, Ph.D.

Department of Child Development
Harry Griffith Hall 229
707-826-3471
childdev@humboldt.edu
www.humboldt.edu/cdblog

The Program

This program is designed for students who wish to become elementary school teachers. Completion of the Child Development/Elementary Education program (CDEE) requirements also satisfies Humboldt's general education, institutions, and diversity/common ground requirements.

CDEE has several distinct features:

- Students take the traditional disciplines taught in elementary schools alongside courses focusing on developmental characteristics of children.
- The program emphasizes working with children from grades K-6.
- Students learn how classroom, school, home, and community impact the child and the learning process.
- Courses explore different philosophies of education but emphasize those that see children as active learners.
- Students explore careers to clarify their professional goals.
- Students participate in multiple supervised classroom experiences.

Elementary school teachers must be able to teach children basic subjects, but they must also integrate social studies; the visual and performing arts; health and physical education; life, physical, and earth sciences; and literature. CDEE uses the liberal arts to give students background in content areas they will teach. Simultaneously, child development courses orient them to the children with whom they will work.

The depth of study area focuses on teaching 5- to 9-year-old children enrolled in kindergarten through third grade. It provides in-depth exposure to theories and methodologies that consider children as capable and active learners who construct knowledge through meaningful experiences.

The CDEE concentration encourages frequent self-assessment and guided career exploration. Supervised experiences in children's classrooms are key. CDEE students acquire guidance and discipline skills and prepare developmentally appropriate curriculum while working in early primary classrooms.

For admission requirements to a post-baccalaureate credential program, contact the campus credential program of choice. CDEE students must complete all required courses with a grade of C- or better and have at least a 2.7 overall grade-point average.

The CCTC requires all majors to complete subject-matter assessment. The assessment (conducted before the student's final semester) is required before entering, and in some cases applying for, any CCTC-approved credential programs. (See Education for admission requirements to Humboldt's elementary education credential program.)

REQUIREMENTS FOR THE MAJOR

For a description of degree requirements to be fulfilled in addition to those listed below for the major, please see "The Bachelor's Degree" section of the catalog, pp. 58-74.

Must see Child Development advisor for requirements.

CORE LIBERAL ARTS (specific GE requirements)

CHILD DEVELOPMENT CORE (34 units)

Child Development major includes growth and development courses, practicums with children, and depth of studies options.



* The Liberal Studies Child Development degree program with an Elementary Education specialization is recommended for transfer students preparing for elementary school teaching.

CHINESE STUDIES MINOR

Minor in Chinese Studies

Department Chair

Rosamel S. Benavides-Garb, Ph.D.

Program Director

Rosamel S. Benavides-Garb, Ph.D.

Department of World Languages & Cultures

Behavioral & Social Sciences 206
707-826-3226, fax 826-4320
www.humboldt.edu/wlc

The Program

The minor in Chinese Studies, housed in the Department of World Languages and Cultures, is characterized by its interdisciplinary nature. It consists of a minimum of 26 credit units including core and elective classes. The minor program gives students a language experience and solid cultural base upon which to build an understanding of Chinese culture and society. Additionally, students are encouraged to participate in authorized programs abroad to complete minor requirements. Selection of courses is to be made with the counsel of a Chinese Studies faculty advisor.

REQUIREMENTS FOR THE MINOR

For students in the Interdisciplinary Major: International Studies, Chinese Studies Concentration, courses used to fulfill that major cannot be counted toward the Chinese Studies Minor. Alternate courses for the minor will need to be identified and approved by the Chinese Studies advisor, and entered into the minor contract.

Core

Must take the following three courses for a total of 11 units:

CHIN 105 (4) Chinese Level I
CHIN 106 (4) Chinese Level II
CHIN 109/ES 109 (3) Intro to Chinese Studies

Electives

Must take a minimum of five units from the following list:

CHIN 107 (4) Chinese Level III
CHIN 207 (4) Chinese Level IV
CHIN 280 (1-4) Special Topics
CHIN 480 (1-4) Special Topics

Must take a minimum of three courses from the following interdisciplinary list:

ANTH 390 (4) Chinese Cultural Heritage Seminar
ANTH 306 (3) World Regions Cultural Studies: Chinese Culture
GEOG 472 (1-4) China & Inner Asia
PHIL 345 (3) Philosophies of China
RS 340 (3) Zen, Dharma, and Tao
PSYC 480 (.5-3) Selected Topics in Psychology: Psychology of Chinese Families

Study Abroad Options

Students pursuing a Chinese Studies Minor are strongly encouraged to participate in an HSU or CSU study abroad program in China. They may study for one semester or one year. Classes taken in such programs can be counted toward the minor upon prior consultation and approval by a Chinese Studies faculty advisor.

HSU China/Tibet Summer Field Trip

This is an HSU 6-week summer program offered by the Department of Geography. This program is an in-depth field experience studying Chinese/Tibetan cultures, landscapes, and economies. Students participating in this program may earn up to 9 credit units toward the minor upon previous consultation and approval of a Chinese Studies faculty advisor.

HSU Xi'an Program in China

The program takes place at Xi'an International Studies University in the old imperial city of Xi'an. This is a full immersion language and culture program for students who would like to advance in their Mandarin language proficiency. All courses completed in this program may be counted toward the Chinese Studies minor. For further information, contact the HSU Center for International Programs office.



COMMUNICATION

Bachelor of Arts degree with a major in Communication

Minor in Communication

Department Chair

Maxwell Schnurer, Ph.D.

Communication Department

Telonicher House, Room 101

707-826-3261

www.humboldt.edu/communication

The Program

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.

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.

Preparation

High school courses in English, speech, and debate are useful preparation, but are not necessary.

REQUIREMENTS FOR THE MAJOR

For a description of degree requirements to be fulfilled in addition to those listed below for the major, please see "The Bachelor's Degree" section of the catalog, pp. 58-74.

NOTE: The department highly recommends majors take COMM 103 to fulfill GE area A, critical thinking.

Introduction to the Field

COMM 105 (3) Introduction to Human Communication

Public Communication Skills

Take six units from the following:

COMM 108 (3) Oral Interpretation
COMM 110/COMM 310 (1-3)
Intercollegiate Speech and Debate*
COMM 214 (3) Persuasive Speaking

Personal Communication Skills

Take one from the following:

COMM 213 (3) Interpersonal Communication
COMM 312 (4) Group Communication
COMM 324 (4) Nonverbal Communication

Cultural Studies

Take one from the following:

COMM 309B (3) Gender and Communication
COMM 322 (4) Intercultural Communication

Communication & Society

Take one from the following:

COMM 300 (3) American Public Discourse
COMM 315 (4) Communication & Social Advocacy

Research Methods

COMM 319 (4) Communication Research

Applied Communication

Take one from the following:

COMM 411 (4) Organizational Communication
COMM 416 (3) Social Advocacy Theory & Practice

Theories of Communication

Take two from the following:

COMM 404 (4) Theories of Communication Influence
COMM 414 (4) Rhetorical Theory
COMM 415 (4) Communication Theory

Special Topics

Must be taken from a single 3- or 4-unit class. Other 480 courses may be used as electives.

COMM 480 (1-4) Seminar in Speech Communication

Electives

Any upper-division courses needed to complete major requirements of 45 units

COMM 300 (3) American Public Discourse
COMM 309B (3) Gender & Communication
COMM 310 (1-3) Advanced

Intercollegiate Speech and Debate

COMM 312 (4) Group Communication

COMM 315 (4) Communication & Social Advocacy

COMM 322 (4) Intercultural Communication

COMM 324 (4) Nonverbal Communication
COMM 404 (4) Theories of Communication Influence

COMM 414 (4) Rhetorical Theory

COMM 415 (4) Communication Theory

COMM 416 (3) Social Advocacy Theory & Practice

COMM 422 (4) Children's Communication Development

COMM 426 (4) Adolescent Communication

COMM 472 (1) Convention Experience

COMM 473 (1) Conference Experience

COMM 480 (1-4) Seminar in Speech Communication

COMM 495 (1-6) Field Experiences in Speech Communication (3-unit max. toward fulfilling major requirements)

COMM 499 (1-4) Directed Study (3-unit max.)

Capstone

COMM 490 (2) Capstone Experience

REQUIREMENTS FOR THE MINOR

12 units of communication courses, with six units from upper division courses and no more than three activity units counted toward the minor. If used for general education, COMM 100, COMM 102, and COMM 103 cannot be included in the 12 units for the minor.

* No more than three units of COMM 110/ COMM 310 may be counted to fulfill this requirement and a total of no more than four units may be used to meet major requirements.

COMPUTER SCIENCE

Bachelor of Science degree with a major in Computer Science

Minor in Computer Science

Certificate of Study in Bioinformatics (See Certificates of Study)

Department Chair

Tyler Evans, Ph.D.

Department of Computer Science

Behavioral & Social Sciences 320

707-826-3143

csdept@humboldt.edu

www.humboldt.edu/computerscience

The Program

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.

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 bioinformatics programming 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, which provides dual-booting Linux and Windows platforms with many language compilers. Our Internet Teaching Laboratory

(ITL) provides an isolated network for network design experimentation and student investigations in computer security. The ITL also serves as the home of our parallel cluster mini-super-computer *deus ex machina*, and storage for a collection of robot kits used in neighboring lab spaces. 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.

Job Prospects

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 750,000 new jobs will be created between 2008 and 2018, according to the Federal Bureau of Labor Statistics. An analysis of their data by Calvin College revealed that 71% of the anticipated increase in all science and engineering jobs will be in computing. The National Association of Colleges and Employers reports consistently high wage growth across the industry.

Preparation

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 MAJOR

For a description of degree requirements to be fulfilled in addition to those listed below for the major, please see "The Bachelor's Degree" section of the catalog, pp. 58-74.

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

CS 111	(4)	CS Foundations 1
CS 112	(4)	CS Foundations 2
CS 211	(4)	Data Structures
CS 212	(4)	Algorithms
CS 243	(4)	Architecture
STAT 108	(4)	Elementary Statistics
MATH 109	(4)	Calculus I (preferred), or
MATH 105	(3)	Calculus for the Biological Sciences & NR
MATH 253	(3)	Discrete Mathematics

Upper Division

CS 325	(4)	Database Design
CS 328	(4)	Web Apps Using Databases
CS 346	(4)	Telecommunications & Networks
CS 374	(4)	Operating Systems
CS 449	(4)	Computer Security
CS 458	(4)	Software Engineering
CS 461	(4)	Computational Models

Choose two of the following:

CS 232	(3)	Python Programming
CS 235	(3)	Java Programming
CS 237	(3)	Bioinformatics Programming
CS 279	(4)	Introduction to Linux
CS 280/CS 280L	(1-3)	Selected Topics in Computing
CS 444	(4)	Robotics
CS 480/CS 480L	(1-4)	Advanced Topics in Computing
CS 482	(1-4)	Internship
CS 499	(1-4)	Directed Study
MATH 351	(4)	Introduction to Numerical Analysis

REQUIREMENTS FOR THE MINOR

CS 111	(4)	CS Foundations 1
CS 112	(4)	CS Foundations 2

Plus three additional approved Computer Science courses, at least two of which are upper division, with total units equal to at least 18 units. These courses may not include general education courses.



CRIMINOLOGY & JUSTICE STUDIES

Bachelor of Arts degree with a major in Criminology & Justice Studies

Department of Sociology

Behavioral & Social Sciences 506
707-826-3139 or 707-826-4124
www.humboldt.edu/cjs

Affiliated Research Institutes

Altruistic Personality and Prosocial
Behavior Institute

California Center for Rural Policy (CCRP)

Center for Applied Social Analysis and
Education (CASAE)

Humboldt Institute for Interdisciplinary
Marijuana Research (HIIMR)

Humboldt Journal of Social Relations (HJSR)

Department Chair

Jennifer Eichstedt, Ph.D.

CJS Coordinator

Renée Byrd, Ph.D.

The Program

Students completing this program will have demonstrated the ability to:

- critically analyze the relationship between social inequalities and crime
- apply criminological and justice theories to specific problems of crime and justice
- construct evidence-based solutions to problems of crime and justice
- formulate appropriate research designs and analytic techniques to answer questions about the causes of crime and the application of justice
- link student community action experiences with classroom CJS training
- effectively communicate through oral and written methods.

Criminology and Justice Studies (CJS) students find an active and supportive departmental culture that surrounds coursework in criminological theory, methods, inequalities of crime and justice, law, policy, and action. Faculty members teaching in this major come from multiple disciplines central to addressing current issues facing the US systems of justice and law.

Students pursuing careers in traditional criminal justice fields such as law enforcement, probation, and prisons will have a solid foundation to work and effect social change in these fields. Students should know that law enforcement agencies usually have extensive training programs on the specifics of work in their organization (investigation procedures,

safety protocols). These employers are often looking for candidates from a variety of disciplinary backgrounds who can demonstrate the learning outcomes established for this CJS major.

Service learning is integrated into the curriculum through the inequalities and crime course. Internships are encouraged for the capstone experience. The Sociology-CJS Community Advisory Board assists with developing and maintaining these opportunities.

CJS students may join the department-based Sociology Student Association or other department CJS student organizations such as Operation U-Turn. These provide additional opportunities for students to connect with each other, faculty, and local community organizations.

Because of the breadth, adaptability, and practical applications of a liberal arts degree in CJS, graduates choose to work in many different sectors: non-profit, private business, social services, education, health services, public relations, criminal justice, and government, as well as graduate studies.

Preparation

In high school take math, writing, and social science courses (history, psychology, sociology).

REQUIREMENTS FOR THE MAJOR

For a description of degree requirements to be fulfilled in addition to those listed below for the major, please see "The Bachelor's Degree" section of the catalog, pp. 58-74.

Core Requirements

CRIM 125	(3)	Intro to Criminology and Justice Studies
STAT 108	(4)	Elementary Statistics
CRIM 225S	(4)	Inequalities and Crime*
SOC 282L	(1)	Sociological Statistics Lab
SOC 382	(4)	Intro to Social Research
CRIM 325	(4)	Law and Society
CRIM 410	(4)	Criminological Theory
SOC 372	(1)	Proseminar

*Service learning component

Knowledge Based Requirements

Choose one course from each of the following four categories:

Inequalities, Identities, and Crime

ES 310	(4)	US & Mexico Border
SOC 330	(4)	Social Deviance
SOC 363	(4)	Environmental Crime

CRIM 431/SW 431	(4)	Juvenile Delinquency
CRIM 432	(4)	Crime and Rural Communities
PSYC 419	(3)	Family Violence

Law

NAS 364	(4)	Federal Indian Law I
NAS 365	(4)	Federal Indian Law II
PSCI 318/CRGS 360	(4)	Race, Gender & US Law
PSCI 410	(4)	American Constitutional Law
PSCI 441	(4)	International Law

Justice and Policy

SW 442	(3)	Drugs, Justice & Harm Reduction
SOC 370	(4)	Environmental Inequality and Globalization
CRIM 433	(4)	Punishment and Justice in Cross-National Perspective
NAS 332	(3)	Environmental Justice
NAS 468	(3)	Tribal Justice Systems
PSCI 313	(4)	Politics of Criminal Justice

Social Research and Action Skills

GSP 270	(3)	Introduction to Geographic Information Science (GIS)
SOC 475	(4)	Community Organizing
PSYC 478	(4)	Analysis of Variance
PSYC 488	(4)	Regression/Multivariate Topics
CRGS 313/EDUC 313	(3)	Community Activism

Capstone Options

SOC 482	(3)	Internship, or
SOC 492	(3)	Senior Thesis, or

One additional knowledge based class

Undergraduate CJS students must earn a "C" or better in all courses taken to satisfy the requirements of the degree.

Total major unit requirement: 40-45.

Many departments that contribute to the CJS major offer 1-2 unit 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 40-45 unit major requirement with the following exception: Workshop units may be used to "make up" 1-2 units that a student may be short after transferring 3-unit courses from another college or university.



CRITICAL RACE, GENDER & SEXUALITY STUDIES [INTERDISCIPLINARY STUDIES]

Bachelor of Arts degree

with an Interdisciplinary Studies

major — Option in Critical Race, Gender and Sexuality Studies (CRGS)

Department Chair

Kim Berry, Ph.D.

Behavioral & Social Sciences 246

707-826-4925

Department of Critical Race, Gender and Sexuality Studies

Behavioral & Social Sciences 206

707-826-4329, fax 707-826-4320

www.humboldt.edu/crgs

The Program

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 a pathway in ES, WS, or MQS.

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.
- In addition, students completing the curriculum for the MQS pathway will have demonstrated the ability to critically evaluate empirical studies and methods.

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 (on 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 CRGS OPTION

For a description of degree requirements to be fulfilled in addition to those listed below for the major, please see "The Bachelor's Degree" section of the catalog, pp. 58-74.

All courses required for the major must be completed with a minimum grade of C.

Core Curriculum

Lower Division [9 units]

Required:

CRGS 108 (3) Power/Privilege: Gender & Race, Sex, Class

Historical Content:

Choose one of the following:

ES 105 (3) Intro to Ethnic Studies, **or**
WS 107 (3) Women, Culture, History

Contemporary Issues:

Choose one of the following:

ES 106 (3) Intro to Black Studies, **or**
ES 109 (3) Intro to Chinese Studies, **or**
WS 106 (3) Intro to Women's Studies

Upper Division [12 units]

CRGS 330 (3) Women of Color Feminisms

CRGS 360 (4) Race, Gender & US Law

CRGS 390 (4) Theory & Methods

CRGS 485 (1) Senior Portfolio

Community Engagement and Leadership [5 units]

Required:

CRGS 313/EDUC 313 (3) Community Activism

Choose two units from the following courses:

CRGS 410 (1-3) Internship, **or**

CRGS 491 (1-3) Mentoring

Total units in common curriculum: 26

Ethnic Studies Pathway

[16 units required]

Required:

ES 310 (4) US-Mexico Border

Choose 12 units from the following list, chosen in consultation with major advisor:

ES 245	(3)	Hip Hop & the Black Experience
ES 304	(3)	Migrations and Mosaics
ES 306	(3)	World Cultures
ES 308	(3)	Multi-Ethnic Resistance in the US
ES 314	(3)	Chicano Culture & Society
ES 320	(3)	African American History
ES 325	(3)	From Civil Rights to Black Power
ES 326	(4)	Media & the Politics of Representation
ES 336	(4)	Ethnic American Literature
ES 465	(4)	Multicultural Issues in Literature & Language
ES 480	(1-3)	Special Topics in Ethnic Studies

Other advisor approved courses.

Multicultural Queer Studies

Pathway

[16 units required]

Required:

PSYC 437 (3) Sexual Diversity
CRGS 430/ANTH 430 (3-4) "Queer" Across Cultures

Choose 9 units from the following list, chosen in consultation with major advisor:

WS 318/EDUC 318/PSYC 318	(3)	Gay and Lesbian Issues in Schools
ENGL 336/ES 336/WS 336	(4)	when offered as Multicultural Queer Narratives
ENGL 465B-C	(4)	when offered as Performing Race & Gender
FILM 465	(4)	when offered as Queer Movies
PSYC 236	(1)	Choice & Changes in Sexuality
PSYC 436/WS 436	(3)	Human Sexuality
WS 350	(4)	Women's Health & Body Politics
WS 370	(3-4)	Queer Women's Lives, or
ENGL 360	(4)	when offered as Queer Women's Literature
WS 480	(1-5)	Transgender Lives & Experiences

Other advisor approved courses.

Women's Studies Pathway

[16 units required]

Required:

WS 315 (4) Sex, Gender, and Globalization*

Choose 12 units from the following list, chosen in consultation with major advisor:

WS 303 (3) Third World Women's Movements*

WS 317 (4) Women in Development

WS 320 (3) Act to End Violence Seminar

WS 340 (3-4) Ecofeminism*

WS 350 (4) Women's Health & Body Politics

WS 370 (3-4) Queer Women's Lives, or

ENGL 360 (4) when offered as Queer Women's Literature

CRGS 430/ANTH 430 (3-4) "Queer" Across Cultures*

WS 336/ENGL 336/ES 336 (4) Ethnic American Literatures

WS 419/PSYC 419 (3) Family Violence

WS 465B-C (4) Multicultural Issues in Language & Literature

WS 480 (1-5) Selected Topics in Women's Studies

Other advisor approved courses.



* Students must take a minimum of two courses with transnational focus.

DANCE MINOR

Minor in Dance

See also *Dance Studies (Interdisciplinary Studies)* and *Theatre, Film, and Dance*.

Dance Minor Advisor

Sharon Butcher
707-826-3549
sgb14@humboldt.edu

Department of Theatre, Film & Dance

Theatre Arts Building, Room 20
707-826-3566
www.humboldt.edu/theatrefilmanddance

The Program

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

The program must be approved by the dance minor advisor. Transfer students must complete nine units at HSU.

Required courses (3 units each):

DANC 103B (3) Modern II
DANC 303 (3) Dance in World Cultures
DANC 389 (3) Choreography Workshop

Nine units of electives from the following:

DANC 103 (3) Modern I
DANC 330 (3) Modern III
DANC 110 (2) Ballet I
DANC 310 (2) Ballet II
DANC 120 (2) Jazz Dance Styles I
DANC 320 (2) Jazz Dance Styles II
DANC 240 (1) African Dance
DANC 245 (2) Middle Eastern Dance
DANC 350 (3) Dance Science
DANC 380 (1-3) Special Topics in Dance — Activity Based
DANC 400 (3) Bodyworks

DANC 480 (1-4) Special Topics in Dance
DANC 484 (3) Creative Dance for the Classroom
DANC 485 (3) Interdisciplinary Seminar
DANC 488 (1-4) Dance Performance Ensemble
DANC 489 (4) Dance Theatre Production
DANC 499 (1-4) Directed Study
PE 190 (1) Country Western Dance
PE 192 (1) Latin Dance, or
PE 193 (1) Mexican Folklorico Dance
PE 194 (1) Social Dance
PE 196 (1) Swing Dance, or
PE 197 (1) Tappin', Dancin' Feet
TA 108 (3) Movement/Voice for Performers



DANCE STUDIES [INTERDISCIPLINARY STUDIES]

Bachelor of Arts degree with an Interdisciplinary Studies major — Option in Dance Studies

See also *Dance Minor*.

Academic Advisor

Sharon Butcher
707-826-3549
sgb14@humboldt.edu

Department of Theatre, Film & Dance

Theatre Arts Building, Room 20
707-826-3566
www.humboldt.edu/theatrefilmanddance

The Program

Students completing this program will have demonstrated:

- theoretical and experiential knowledge of dance as an art form and as a vehicle for personal and community expression that is common to all peoples and cultures throughout history
- experiential learning of dance movements and their application to a variety of dance experiences
- discovery, understanding, and application of improvisation, movement invention, artistic intent, and compositional craft
- development of healthy collaborative relationship with dancers, choreographers, directors, musicians, designers, theatre crew, and other possible collaborators.

The Interdisciplinary Studies: Dance Studies (ISDS) curriculum unifies the physical, intellectual, cultural, and artistic aspects of dance into an invigoration 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.

The ISDS degree is a 50-unit degree. It has a diverse core of 31 units with 9 units of dance electives. An additional 10 units of interdisciplinary electives allow student to develop skills in dance design/technical production and to enhance their dance education with

knowledge from other art forms, multicultural study, sacred studies and/or dance pedagogy and teaching skills.

Annually, we offer two or three informal performances and one main stage concert. These performance opportunities refine and develop choreographic and performance skills while providing unique collaborative experiences with scenic, costume, and lighting designers. In coordination with *CenterArts*, we are able to provide affordable tickets and multiple master class opportunities with internationally-renowned dance artists and companies.

The ISDS program participates annually in American College Dance Festival 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 multi-cultural 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.

Additional Dance at HSU:

- See PE Dance Classes
- Interdisciplinary Dance Club (IDC) The club offers diverse dance experiences and classes. Dancers of all skill levels are encouraged to participate. (hsudance@humboldt.edu)
- Also see HSU's Clubs and Activities webpage for more information on the following:

- *Middle Eastern Dance Club:* medance@humboldt.edu
- *Mexican Folklorico Club: Ballet Folklorico de Humboldt:* ballet@humboldt.edu
- *Salsa Dance Club:* salsa@humboldt.edu
- *Lindy Hop Club:* hsudance@humboldt.edu
- *Demolition Dance Team:* dsquad@humboldt.edu

REQUIREMENTS FOR THE MAJOR

For a description of degree requirements to be fulfilled in addition to those listed below for the major, please see "The Bachelor's Degree" section of the catalog, pp. 58-74.

CORE COURSES (31 units)

Majors must be able to place in DANC 310, DANC 320, and DANC 330 to complete degree. Lower levels of these courses taken remedially count as dance electives. It is highly recommended that majors take a dance technique class every semester (credit or no-credit) in order to maintain physical conditioning, build upon technical progress and prevent injury.

- DANC 103B (3) Modern II
- DANC 303 (3) Dance in World Culture
- DANC 310 (2) Ballet II
- DANC 320 (2) Jazz II
- DANC 330 (3) Modern III
- DANC 350 (3) Dance Science
- DANC 389 (3) Choreography
- DANC 485 (3) Interdisciplinary Seminar (Capstone)
- DANC 489 (4) Dance Production

With faculty advisement, take one of the following music courses:

- MUS 104 (3) Intro to Music, **or**
- MUS 110 (3) Music Fundamentals

Take two units from the following PE courses:

- PE 192 (1) Latin Dance, **or**
- PE 193 (1) Mexican Folklorico Dance, **or**
- PE 196 (1) Swing Dance, **or**
- PE 197 (1) Tappin', Dancin' Feet

DANCE/MOVEMENTS ELECTIVES

(9 units, minimum)

- DANC 103 (3) Modern I
- DANC 103B (3) Modern II
- DANC 110 (2) Ballet I
- DANC 120 (2) Jazz Dance Styles I
- DANC 240 (1) African Dance
- DANC 245 (2) Middle Eastern Dance
- DANC 310 (2) Ballet II
- DANC 320 (2) Jazz II
- DANC 330 (3) Modern III
- DANC 380 (1-3) Special Topics in Dance
- DANC 400 (3) Bodyworks
- DANC 480 (1-4) Special Topics in Dance
- DANC 484 (3) Creative Dance for the Classroom
- DANC 488 (1-4) Dance Performance Ensemble

- DANC 489 (4) Dance Production
(in addition to the 4 units
taken in the core.)
- DANC 499 (1-4) Directed Study
- KINS 313 (2) Concepts of Teaching
Dance
- PE 190 (1) Country Western Dance
- PE 192 (1) Latin Dance
- PE 193 (1) Mexican Folklorico Dance
- PE 194 (1) Social Dance
- PE 196 (1) Swing Dance
- PE 197 (1) Tappin' Dancin' Feet
- RS 345 (3) T'ai Ch'i
- TA 108 (3) Movement/Voice for
Performers

APPROVED ELECTIVES —

INTERDISCIPLINARY (10-unit minimum; 6
units must be upper division)

Group 1: Design and Production for Dance

Choose ONE course (3 units minimum)

- TA 137 (4) Production Techniques
- TA 230 (4) Theatre & Film Aesthetics
- TA 333 (4) Lighting Design Stage &
Screen
- TA 336 (4) Costume Design Stage &
Screen

**Take TWO from EITHER Group 2 - OR -
Group 3.**

**Group 2: Dance/Art for Self, Society and
Culture**

Choose TWO courses (6 units minimum)

- ART 104J (3) American Art, **or**
- ART 104K (3) Intro to Tribal Art, **or**
- ART 104M (3) Latin American Art, **or**
- ART 104N (3) Asian Art
- ART 301 (3) Topics in Western Art
History
- DANC 380 (1-3) Special Topics in Dance
[when topic is appropriate]
- DANC 480 (1-4) Special Topics in Dance
[when topic is appropriate]
- MUS 302 (3) Music in World Culture
- NAS 302 (3) Oral Literature &
Oral Tradition
- PHIL 301 (3) Reflections on the Arts
- PHIL 309B (3) Perspectives:
Humanities/Science/
Social Science
- RS 300 (3) Living Myths
- RS 362 (3) Wisdom & Craft
- TA 104 (4) Story Through Word &
Image
- TA 307 (3) Theatre of the Oppressed

Group 3: Dance Education

Choose TWO courses (6 units minimum)

- CD 255 (3) Early Childhood
Development, **or**
- CD 256 (3) Middle Childhood
Development
- CD 350 (3) Perspectives: Life-Span
Development
- DANC 380 (1-3) Special Topics in Dance
[when topic is appropriate]
- DANC 480 (1-4) Special Topics in Dance
[when topic is appropriate]
- DANC 484 (3) Creative Dance for the
Classroom
- KINS 313 (2) Concepts of Teaching
Dance
- KINS 475 (3) Elementary Education/PE
- KINS 484 (3) Motor Development/
Learning
- REC 210 (3) Recreation Leadership
- REC 320 (3) Organization,
Administration & Planning
- WS 350 (4) Women's Health & Body
Politics



ECONOMICS

Bachelor of Arts degree

with a major in Economics — with pathways in Traditional Economics; Individually-Designed Interdisciplinary

Minor in Economics

Department Chair

Steven C. Hackett, Ph.D.

Department of Economics

Siemens Hall 206

707-826-3204

www.humboldt.edu/economics

See what our students, faculty and alumni have to say about our program at: www.humboldt.edu/economics.

The Program

Students completing this program will have demonstrated:

- mastery of core microeconomic and macroeconomic concepts, including application and conceptual analysis in evaluating real-world issues/problems
- mastery of computational analysis, including solving problems using economics tools and methods
- effective communication through written summary/analysis and descriptive research papers and oral presentations.
- the ability to present themselves professionally in the job market.

The Economics major at Humboldt State University is distinguished by its hands-on approach and close faculty-student relationships. Our “small urban” environment is a wonderful place for Economics majors to learn and make a difference in the community through our many research and service learning opportunities. Examples include calculating the economic impact of our annual Oyster Festival, helping prepare the City of Arcata’s development strategy, and preparing monthly estimates for the Humboldt Economic Index. Students have published papers with faculty on the local gasoline market and local fisheries market, and have researched sustainable energy and real estate.

The Economics faculty is committed to student learning as their first priority. Our class sizes are kept small so students have the opportunity to interact with our faculty. Advanced computer technology is used throughout the curriculum. In the liberal arts tradition, we emphasize learning, critical

thinking, and development of the whole individual within the context of a rapidly changing world. Our faculty’s teaching and research interests include exciting new areas such as Sports Economics, Environmental & Natural Resource Economics, Real Estate Economics, and Sustainable Development.

Economics is essential for recommending the best policy option for some of today’s major issues, including environmental protection, globalization, poverty, and sustainable energy supplies. The Economics curriculum includes both microeconomic and macroeconomic issues. Microeconomics is about the rationing of scarce resources. All human societies confront this fundamental problem, so economics is of central importance. Macroeconomics is about understanding why some countries are rich and some are poor; and about maintaining high employment and low inflation. Students learn to make sense of a large and complex economy and they critically evaluate the impact that different economic policies have on their lives.

Many of our graduates attend law school, earn an MBA, or pursue an advanced graduate degree in economics. Economics students typically earn high starting salaries and pursue a diverse range of career tracks including banking, government, advocacy organizations, consulting, brokerage, and sales. We have a strong record of helping students realize their career aspirations, whether that be through job placements or preparation for graduate and professional school. Economics majors at Humboldt State University are in the top ten percent in terms of shortest time to graduation.

We believe that 21st century academic training must move toward a more interdisciplinary, team problem-solving approach. Therefore, students may choose from either a traditional economics pathway or an interdisciplinary pathway that requires a minor (or equivalent) in applied mathematics, political science, environmental and natural resources planning, business, energy, international studies, and other related disciplines.

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 MAJOR

For a description of degree requirements to be fulfilled in addition to those listed below for the major, please see “The Bachelor’s Degree” section of the catalog, pp. 58-74.

Students must earn a minimum grade of C- in all required courses for the major and the minor.

COMMON CORE

Taken in both pathways (26 units)

Lower Division Core

- STAT 108 (4) Elementary Statistics, **or**
PSYC 241 (4) Intro to Psychological Statistics
- MATH 106 (4) Calculus for Business & Economics, **or**
MATH 109 (4) Calculus I, **or**
MATH 113 (3) College Algebra, **or**
MATH 115 (4) Algebra & Elementary Functions
- ECON 210 (4) Principles of Economics

Upper Division Core

- BA 332 (4) Intermediate Business Statistics, **or**
STAT 333 (4) Linear Regression Models/ANOVA, **or**
PSYC 488 (4) Regression/Multivariate Topics
- ECON 310 (4) Intermediate Microtheory & Strategy
- ECON 311 (4) Intermediate Macroeconomics
- ECON 490 (2) Capstone Experience

** NOTE: Students with a higher math aptitude and those considering graduate school should take MATH 109.*

ECONOMICS ELECTIVES

Taken in both pathways (16 units)

Students must take 4 upper division electives (with the exception of ECON 320), including the corresponding 1-unit depth of study where offered.

PATHWAY 1:

Traditional Economics (12 units)

An additional 12 units of upper division economic courses (with the exception of ECON 320) including the corresponding 1-unit depth of study where offered.

PATHWAY 2:

Individually-Designed

Interdisciplinary (minimum 18 units, 9 of which must be upper division)

With approval from one's academic advisor and the Department Chair, students with a good academic record and a clear concept of their personal goals can develop an individually-designed interdisciplinary pathway. Such pathways will include an area of study in a complementary field, often a minor or equivalent for at least 18 units. Students must write a brief memo that outlines the purpose of the individually designed interdisciplinary pathway, including intended learning and career outcomes.

Suggested areas of study include:

- **Applied Math.** For students who want access to more technically demanding careers requiring extensive knowledge of mathematics. This pathway will appeal to someone planning to enter a doctorate program in Economics.
- **Business.** For students with career goals that demand specialized business training. This pathway 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.
- **Secondary Teacher Education Preparation.** For students interested in pursuing a secondary education credential and teaching high school social studies and economics.

REQUIREMENTS FOR THE MINOR

ECON 210 (4) Principles of Economics

In consultation with an economics advisor, select an additional 12 units of upper division economics electives (with the exception of ECON 320). Receive approval from the economics advisor before completing two courses in the program.



EDUCATION

Master of Arts degree in Education

Elementary Education:

- Preliminary Credential in Multiple Subjects

See also:

Liberal Studies/Elementary Education
Child Development/Elementary Education

Secondary Education:*

- Preliminary Credentials in the following Single Subjects (You can find more information on any of the following undergraduate programs, listed under the subject name.):

Art Education, English/Language Arts Education, Mathematics Education, Music Education, Physical Education, Science Education [Biology, Chemistry, Geoscience, or Physics], Social Science Education, Spanish Education

Special Education:

- Preliminary Education Specialist Credential in Mild/Moderate Disabilities
- Preliminary Education Specialist Credential in Moderate/Severe Disabilities

Educational Leadership:

- Level I Preliminary Administrative Services Credential
- Level II Professional Clear Administrative Services Credential

*Students completing one of the single subjects education programs (secondary education) may waive the CSET for entering credential programs in those areas.

School of Education

Harry Griffith Hall 202
707-826-5873
707-826-5868 (fax)
www.humboldt.edu/education

Education and Credentialing Office

Harry Griffith Hall 202
707-826-5867 (Elementary, Secondary Ed.,
Special Ed, Admin.)
707-826-3729 (Master's)

The Programs

Humboldt State University has a long tradition of teacher education dating back to 1914, when it first opened as a Normal School. Over the years, Humboldt has prepared many of the teachers of this region while developing a reputation for innovation and close cooperation with local school districts. One of every seven Humboldt students is involved in some phase of teacher education (including undergraduate preparatory programs).

Humboldt's teacher education programs enjoy positive working relationships with the local schools that accommodate credential candidates from year to year. With the cooperative efforts of supportive school administrators, excellent mentor teachers, university professors, and university supervisors, candidates receive the individual attention that makes their credential-year experiences most rewarding. Humboldt offers the following credentials/programs:

ELEMENTARY EDUCATION

Coordinator

Bryn Coriell
Harry Griffith Hall 202B
707-826-5108 / bpc11@humboldt.edu

Program Leader

Shannon Morago
Harry Griffith Hall 207
707-826-3733 / sm7@humboldt.edu

Preliminary Credential

Obtain a preliminary credential by taking a 46-unit professional education program to qualify for teaching positions including teaching English language learners. The credential program may be taken after graduation or as part of an approved BA major, Liberal Studies Elementary Education Integrated. The bachelor's degree must be received from a regionally accredited institution of higher learning.

Holders of a preliminary credential are eligible to complete requirements for a professional clear credential within five years through an Induction Program.

Procedures for Applying

The program begins each year in the fall semester. Since the application **deadline is February 15**, interested persons should begin the process a full year prior to the planned term of entry.

Admission requires a special application and a personal interview in addition to the normal post-baccalaureate application to Humboldt State. The credential program application and admission guide are available at www.humboldt.edu/education/programs/credential-programs/elementary-education and at the Education & Credentialing Office (HGH 202). Orientation sessions that explain the application process are offered each fall, beginning in late September.

Following are some of the items applicants must document. The education office has more information.

- A minimum of 45 hours of early fieldwork (observation/participation) in one or more K-12 classrooms. This requirement may be met through Humboldt courses EED 210/EED 310 (for Elementary) and SED 210/SED 410 (for Secondary), through comparable courses at another university, or through privately arranged experiences (approved by the coordinator) in accredited schools with credentialed teachers.

- An overall GPA at or above 2.67, or 2.75 for the last 60 semester units (CSU systemwide GPA requirement for admission to credential programs).

- The California Commission on Teacher Credentialing requires that anyone receiving a California teaching credential have special technology competencies. The School of Education offers a prerequisite course, EDUC 285, Technology Skills for Educators, each semester. This course covers many of the required technology competencies, and the remaining technologies are addressed during the credential program.

All candidates are required to demonstrate entry level computer competency by one of the following options:

1. Pass EDUC 285, Technology Skills for Educators, 3 units at HSU, or EDUC 120, Technology Skills for Educators, 3 units at College of the Sequoias.
2. Pass the Preliminary Education Technology Exam; registration is online, www.ctcexams.nesinc.com, cost is \$210.
3. Pass course(s) equivalent to EDUC 285 that meet level 1 standards.

- Verification of passing a basic skills exam. See www.humboldt.edu/education for details.
- Tuberculin clearance (chest x-ray or TB skin test) and rubella immunization.
- Verification of passing the CSET in Multiple Subjects.
- CPR card from American Heart Association Course B or C or American Red Cross Community CPR.
- Prior to beginning the program, either (1) a certificate of clearance from the California Commission on Teacher Credentialing, or (2) evidence of a credential or permit authorizing public school teaching in California. Information can be found in the application at www.humboldt.edu/education/programs/credential-programs/elementary-education.
- A set of transcripts (unofficial transcripts are acceptable) and three letters of recommendation.
- Passing of a basic constitution course (PSCI 110, PSCI 210, PSCI 359, or PSCI 410) or a passing score on the US Constitution Test administered by the university's Testing Center or a County Office of Education. Most Humboldt graduates have met this requirement. Students from other institutions of higher education should contact Humboldt's credential analyst, 707-826-6217.
- A \$20.00 fee is charged for the phase I fieldwork course to provide coverage of professional liability insurance that is required by the CSU and local school districts prior to student teaching.

February 15 is the deadline for submitting the application packet to the Education and Credentialing office. The deadline for submitting a post-baccalaureate application to the Office of Admissions is February 15.

All packets are reviewed by School of Education faculty. Candidates interview with a faculty committee and with school district administrators and teachers before being admitted to professional education courses.

PROGRAM REQUIREMENTS

NOTE: Credential requirements are subject to change due to action by the state legislature, the California Commission on Teacher Credentialing, or the CSU chancellor's office. The elementary education coordinator has the most current information on changes and how they affect student programs.

Professional Education

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 Performance Assessment for California Teachers (PACT) for the state-mandated teacher performance assessment that candidates must pass to be recommended for a credential. As part of PACT, candidates complete a Content Area Tasks in science, literacy, and history/social science fall semester and complete the Elementary Mathematics Teaching Event spring semester.

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 (T-Th and all day Friday) and participate at their field site a minimum of sixteen hours per week. The last seven weeks of the semester, candidates student teach full time and complete a minimum of three 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 (T-Th and all day Friday) with a minimum of sixteen 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 (K-3); the other placement will be in upper elementary grades (4-8). Candidates enroll in the following courses both fall and spring semesters, except as noted.

- EED 720/B (.5-3) The School & the Student
- EED 721/B (.5-2) Multicultural Foundations
- EED 722/B (.5-3) English Language Skills & Reading
- EED 723/B (.5-4) Integrating Math/Science in Elementary School
- EED 724/B (.5-1) Fine Arts in the Integrated Elementary Curriculum
- EED 726/B (.5-1) Professional Development Seminar [spring]

- EED 728/B (.5-2) History/Social Science in the Integrated Elementary Curriculum
- EED 733/B (1) Teaching English Language Learners [fall]
- EED 740/B (1) Special Populations in the General Education Classroom
- EED 741 (1) Health & Physical Education Curriculum in Elementary School [fall]
- EED 751 (2) Fieldwork in Elementary School [fall]
- EED 752 (6) Student Teaching in Elementary School [fall]
- EED 753 (3) Fieldwork in Elementary School [spring]
- EED 755 (2) Student Teaching in Elementary School [spring]

NOTE: Candidates can receive no grade lower than a "C" in a preliminary credential course and must maintain a B average to remain in the program. For additional information, please read the *Elementary Education Handbook*, available online.

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, Humboldt State University collaborates with the North Coast Beginning Teacher Project to support new teachers being inducted into the profession.



SECONDARY EDUCATION

Coordinator

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Program Leader

Shannon Morago
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The Program

Humboldt meets subject-matter and professional requirements in preparing students to teach in secondary schools (middle school and senior high). Visit our website at www.humboldt.edu/education/programs/credential-programs/secondary-education for additional information.

Preliminary Credential

Obtain a preliminary credential by taking a 38.5-unit professional education program to qualify for teaching positions including teaching English language learners. This may be taken after graduation or, in exceptional cases, as part of an approved BA/BS subject-matter program. The bachelor's degree must be received from a regionally accredited institution of higher learning.

Procedures for Applying

Use the application procedures described for Elementary Education (located in this section), with the following exceptions:

1. Secondary education applicants must submit **two copies** of all required information.
2. Secondary education applicants must complete an approved undergraduate subject-matter program or pass CSET assessments in the appropriate subject-matter area (rather than CSET Multiple Subjects).

PROGRAM REQUIREMENTS

NOTE: Credential requirements are subject to change due to action by the state legislature, the California Commission on Teacher Credentialing, or the CSU chancellor's office. The coordinator has current information on changes and the ways they affect programs.

Professional Education

Courses required for the single subjects (secondary education) preliminary credential are listed below. These two semesters **must** be taken in sequence.

First Semester

- SED 708 (1) Teacher Performance Assessment
- SED 711 (1) Nonviolent Crisis Intervention
- SED 712 (2) Teaching & Learning in Secondary Schools
- SED 713 (1) Classroom Management
- SED 714 (2.5) Educational Psychology
- SED 715 (2) Multicultural Education
- SED 730 (2) ELD Bilingual Theory & Methods
- SED 731-SED 741 (2 units each) Secondary Curriculum Instruction
[one from: SED 731 Art, SED 733 English, SED 734 Modern Language, SED 736 Industrial Tech, SED 737 Math, SED 738 Music, SED 739 Physical Education, SED 740 Science, SED 741 Social Studies]
- SED 743 (2) Content Area Literacy
- SED 762 (1-3) Supervised Fieldwork in Student Teaching
- SED 776 (2) Teaching in Inclusive Classrooms

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.

Second Semester

- SED 709 (1) PACT Support
- SED 744-SED 754 (1 unit each) Secondary Seminar
[one from: SED 744 Art, SED 746 English, SED 747 Modern Language, SED 749 Industrial Tech, SED 750 Math, SED 751 Music, SED 752 Physical Education, SED 753 Science, SED 754 Social Studies]
- SED 755 (1) Literacy Applications
- SED 756 (1) ELD Applications
- SED 763 (1) Intersession Participation & Student Teaching

- SED 764 (6) Student Teaching / Secondary Education
- SED 765 (6) Student Teaching / Secondary Education
- SED 766 (1) Intersession Student Teaching

▪ During the spring semester, candidates spend the entire day in the 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 candidates must maintain a B average (with no grade lower than a C-) to remain in the program.**

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, Humboldt State University collaborates with the North Coast Beginning Teacher Project to support new teachers being inducted into the profession.



SPECIAL EDUCATION

Program Leader

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Coordinator

Peggy Kirkpatrick
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The Program

Humboldt meets subject-matter and professional requirements in preparing students to teach in special education classrooms in elementary and secondary (junior and senior high) schools.

Please refer to www.humboldt.edu for new special education programs and updates.

Preliminary Credential

Obtain a preliminary credential by taking a 41-unit professional education program to qualify for teaching positions. This may be taken after graduation or, in exceptional cases, as part of an approved BA/BS subject-matter program. The bachelor's degree must be received from a regionally accredited institution of higher learning. Holders of a Preliminary credential must complete requirements for a Clear credential within five years.

Procedures for Applying

Preliminary Credential:

Applications are accepted throughout the year for admission the **following fall**. Apply early as space is limited.

Admission requires a special application and a personal interview in addition to the normal post-baccalaureate application to Humboldt State. Contact Education and Credentialing office to request an admission guide or (beginning in September) a complete application packet.

- By the time of application, a minimum of 45 hours or early fieldwork (observation/participation) in one or more K-12 classrooms. This requirement may be met through Humboldt courses (EED 210/EED 310, SED 210/SED 410), through comparable courses at another university, or through privately arranged experiences (approved by the coordinator) in accredited schools with credentialed teachers.
- An overall GPA at or above 2.67, or 2.75 for the last 60 semester units (CSU

systemwide GPS requirement for admission to credential programs).

- EDUC 285 Technology Skills for Educators or passed the California Subject Examinations for Teachers (CSET) Preliminary Education Technology (test codes 133 and 134) exam, or an equivalent course at another university.
- Tuberculin clearance (chest x-ray or TB skin test) and rubella immunization.
- Competency Assessment: Special Education applicants must demonstrate subject-matter competency before they are accepted into the special education credential program. You must pass **one** of the CSET examinations (Multiple Subjects, English, Math, or Science; www.cset.nesinc.com) or complete an undergraduate major in English, Math, or Science approved by the California Commission on Teacher Credentialing.
- Attempted all three sections of the CBEST (California Basic Educational Skills Test) prior to admission and passed all prior to full-time student teaching.
- CPR certification for infants, children, and adults.
- Prior to beginning the program, either (1) a certificate of clearance from the California Commission on Teaching Credentialing, or (2) evidence of a credential or permit authorizing public school teaching in California.
- A set of transcripts (unofficial are acceptable) and three letters of recommendation.
- Passing a basic constitution course (PSCI 110, PSCI 210, PSCI 359, or PSCI 410) at Humboldt State, or a passing score on the US Constitution Test administered by the university's Testing Center, or an equivalent course at another college or university.

PROGRAM REQUIREMENTS

Credential Options

A California Education Specialist Credential permits teaching grades K-12, including adults. This credential authorizes teaching individuals with specific learning disabilities, mental retardation, 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 to Moderate Disabilities**. This preliminary credential authorizes teaching for

five years, during which time candidates must acquire a Clear Education Specialist Credential in Mild to Moderate Disabilities.

Preliminary Credential

COURSE REQUIREMENTS

Students must maintain a B average with no grade lower than a C- to remain in the program.

Students must complete 46 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

EDUC 377/SPED 777	(2)	Education of Exceptional Individuals
SPED 702	(3)	Foundations of General & Special Education
SPED 703	(3)	Foundations of Assessment & Program Planning
SPED 705	(2)	Multicultural Special Education
SPED 706	(3)	Applied Behavior Analysis for Teachers

Methods Courses

SPED 707	(3)	Curriculum & Instruction — Reading & Language Arts
SPED 708	(1)	Practicum: Reading Instruction
SPED 709	(2)	Curriculum & Instruction — Math
SPED 710	(1)	Practicum: Math Instruction
SPED 711	(1)	Curriculum & Instruction — Science, History & Social Science
SPED 721	(3)	Transition Planning
SPED 722	(2)	Autism Intervention Strategies
SPED 731	(1)	Classroom Management
SPED 733	(2)	Special Education Policies & Procedures
SPED 734	(5)	Student Teaching — Elementary Special Education
SPED 735	(5)	Student Teaching — Secondary Special Education
SPED 736	(1)	Curricular & Instructional Skills Seminar
SPED 737	(1)	Non-violent Crisis Intervention



EDUCATIONAL LEADERSHIP PROGRAM

Program Leader/Coordinator

Kenny Richards, Ed.D.
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The Program

Humboldt State'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 Credential will also complete elementary and 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.

Procedures for Applying

Those seeking admission to the program must submit the following documents to the program leader/coordinator:

- a completed application for admission to the Level I program;
- a copy of a valid teaching or pupil personnel services credential;
- 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.

PROGRAM REQUIREMENTS

Level I: Preliminary Credential

Students must:

- maintain a 3.0 GPA (with no grade lower than a C-) in the following required courses:
 - EDL 642(3) Curriculum: Development & Governance
 - EDL 645(3) Personnel Administration & Supervision
 - EDL 646(3) The Principal: Leader & Administrator
 - EDL 647(2) Practicum: Diversity Issues & School Administration
 - EDL 648(3) Legal & Fiscal Aspects of School Administration
 - EDL 649(1) Ethics & School Administration
 - EDL 660(2) Technology & School Management
- pass a final oral exam on the program's total skills and knowledge.

Candidates seeking to obtain a Level I: 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;
- successfully complete the following additional fieldwork courses and seminar:
 - EDL 694(3) Elementary School Administration Fieldwork
 - EDL 695(3) Secondary School Administration Fieldwork
 - EDL 696(1) Fieldwork & Final Evaluation Seminar

Level II: Clear Credential (not offered during 2014-15 school year)

Students must:

- maintain a 3.0 GPA with no grade lower than a C-) in the following courses:
 - EDL 661(2) Professional Development — Induction
 - EDL 662(2) Leadership, Management & Policy Development in a Multicultural Setting
 - EDL 663(2) Strategic Issues Mgmt.
 - EDL 664(3) School & Community Relations
 - EDL 665(3) Ethical & Reflective Leadership

EDL 666(2) Information Systems & Human & Fiscal Resources
EDL 667(2) Candidate Assessment & Evaluation

- possess a California Preliminary (Level I) Administrative Services Credential;
- have a 3.0 GPA in Preliminary Administrative Services Credential coursework;
- be employed at least half-time as a school administrator; and
- complete EDL 667 Candidate Assessment & Evaluation.



MASTER OF ARTS DEGREE IN EDUCATION

Graduate Program Coordinator

Eric Van Duzer, Ph.D.

Harry Griffith Hall 209

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The Program

Our program helps educators assume an enhanced and more focused leadership role in their schools.

Graduates will:

- demonstrate an informed sensitivity to the social concerns in the field
- develop teaching practice and/or policy reflecting an integrated understanding of the psychology and process of learning
- assess student learning using both formal and informal methods
- present sound theoretical arguments to guide research or inform project designs
- write effectively with authority and clarity regarding their areas of expertise
- develop, validate, and implement research protocols.

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.

Procedures for Applying

To be admitted candidates must:

- hold an acceptable baccalaureate degree from a regionally accredited institution (or equivalent academic preparation);
- be in good academic standing at the last university attended; and
- have a GPA of at least 3.0 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).

MASTER'S DEGREE PROGRAM REQUIREMENTS

There are three pathways that result in a MA in Education including a:

- Masters of Education
- Special Education Level II Credential/MA
- Educational Leadership Level I Credential/MA

Master's Degree Program

Students accepted into the Traditional Master's Degree in Education program must complete all of the following:

Core courses: 20 units

Area of emphasis: 9 units

Thesis preparation: 3 units

Total: 32 units

Core Courses

EDUC 610 (3) Education in Society

EDUC 620 (3) Pedagogy: Practice & Research

EDUC 630 (2) Educational Psychology

EDUC 640 (3) Assessment

EDUC 645 (2) Academic Writing in Education

EDUC 655 (3) Educational Research

EDUC 668 (4) Mixed Methods in Educational Research

Plus 9 units of electives to be taken in consultation with your advisor and three units of thesis or project preparation (EDUC 690 or EDUC 692).

Educational Leadership Emphasis

Educators enrolled in the Educational Leadership Program (for Level I Preliminary Administrative Services Credential) may earn both a Level I Credential and an MA.

Students must have completed three years of successful full-time teaching.

Core courses: 11-12 units

Credential coursework: 24 units

Thesis preparation: 3 units

Total: 38-39 units

For students earning a combined Master's Degree in Education and an Administrative Services Credential, the following courses must be completed in addition to all credential coursework (see Educational Leadership Program).

EDUC 645 (2) Academic Writing in Education

EDUC 655 (3) Educational Research

EDUC 668 (4) Mixed Methods in Educational Research

And one of the following selected in consultation with your advisor:

EDUC 610 (3) Education in Society

EDUC 620 (3) Pedagogy: Practice & Research

EDUC 630 (2) Educational Psychology

EDUC 640 (3) Assessment

Plus three units of thesis or project preparation (EDUC 690 or EDUC 692).

Special Education Emphasis

Those enrolled in the Level II Mild to Moderate Special Education credential may also earn an MA. Students must have completed the Preliminary credential program plus two years as a special education teacher in a US public school.

For students earning a combined Master's Degree in Education and Special Education Clear Credential, the following courses must be completed in addition to all credential coursework (see Special Education Credential).

SPED 799 (1-3) Single-Subject Research Methods

EDUC 645 (2) Academic Writing in Education

EDUC 655 (3) Educational Research

EDUC 668 (4) Mixed Methods in Educational Research

And one of the following selected in consultation with your advisor:

EDUC 610 (3) Education in Society

EDUC 620 (3) Pedagogy: Practice & Research

EDUC 630 (2) Educational Psychology

EDUC 640 (3) Assessment

Plus three units of thesis or project preparation (EDUC 690 or EDUC 692).



ENGLISH

Bachelor of Arts degree

with a major in English — pathways in Literary Studies, Teaching the Language Arts/English Education, Writing Practices

Minor in English Literature

Minor in English Writing

Minor in Teaching English as a Second Language

Master of Arts degree in English —

emphasis in Literary & Cultural Studies, Composition Studies & Pedagogy, Peace Corps Service

Department Chair

Mary Ann Creadon, Ph.D.

Department of English

Founders Hall 201

707-826-3758

www.humboldt.edu/english

Please see the department website for updates on changes and additions to our programs.

The Program

Students completing this program will have demonstrated:

- the ability to read and explicate written english precisely
- analysis of literature from several critical perspectives
- meaningful use of literary, linguistic, theoretical, and rhetorical terminology
- an awareness of structures of power in language, literature, and culture
- stimulating and effective writing in a variety of genres according to the accepted conventions of english studies
- knowledge of literary movements and writers from a range of historical periods and cultural frameworks
- the ability to understand and perform rhetorical strategies to inform, persuade, and argue.

The English major at HSU encompasses perspectives derived from literary theory, contextual knowledge about literature, the analysis of language, the close reading of texts, and written expression. Students take a balance of lecture and small-group instruction. This program is excellent preparation for a wide range of careers, all requiring reasoning ability and skill in the use of language. Students in English do well in many occupations, including magazine or book editor,

teacher, critic, library assistant, and writer in many areas such as technology, business, government, non-profit organizations, and other organizations for social change.

Preparation

High school students should take four years of English, including composition and literature. Study of a language other than English is recommended.

REQUIREMENTS FOR THE MAJOR

For a description of degree requirements to be fulfilled in addition to those listed below for the major, please see "The Bachelor's Degree" section of the catalog, pp. 58-74, and "The Master's Degree" section of the catalog, pp. 75-76.

The English major consists of 16 units of Core Courses; 24 units in Pathways A and B; 38 units in Pathway C; a Senior Portfolio Seminar; and, for students in Pathways A (Literary Studies) and B (Writing Practices) only, one year of college-level study of a language other than English. Students must have a minimum of 2.0 grade point average in the major to graduate.

■ Core Courses

Students take all of the following:

ENGL 120 (4) Intro to the English Major

ENGL 220 (4) Literature, Identity & Representation

ENGL 225 (4) Intro to Language Analysis

ENGL 320 (4) Practical Criticism

■ Pathways

Students will select **one** pathway. If on Pathway A or B, students will complete at least 16 units within that pathway, 12 of which must be at the upper division level, and one additional course from each of the other two pathways (8 units). Special topic courses (ENGL 480) may be used in an appropriate pathway depending upon the topic. Students on Pathway C, Teaching the Language Arts, must complete all the courses listed for that pathway and an extended study option.

A. Literary Studies

ENGL 230 or ENGL 231 (4) Survey of British Literature

ENGL 240 (4) World Literature

ENGL 325 (4) History of the English Language

ENGL 330 (4) American Literature (variable topics)

ENGL 342 (4) Special Topics in Shakespeare

ENGL 350 (4) British Literature

ENGL 360 (4) Topics in Literature/Language

ENGL 370 (4) Literary Field Studies

ENGL 420 (4) Advanced Topics in Critical Theory

ENGL 465B/ENGL 465C (3) Multicultural Issues in Language & Literature

ENGL 480 (1-4) Special Topic course with a literary emphasis

One year of a language other than English taken at the college level.

Select one of the following courses from Pathway B:

ENGL 205 (4) Beginning Creative Writing

ENGL 311 (4) Environmental Writing

ENGL 314 (4) Creative Writing: Nonfiction

ENGL 315 (4) Creative Writing: Fiction

ENGL 316 (4) Creative Writing: Poetry

ENGL 422 (4) Advanced Research Writing

ENGL 460 (2) Toyon Literary Magazine

ENGL 480 (1-4) Special Topic course with a writing emphasis

Select one of the following courses from Pathway C:

ENGL 328 (4) Structure of American English

ENGL 336 (4) American Ethnic Literature

ENGL 344 (3) Young Adult Literature

ENGL 406 (4) Contemporary Composition: Traditional Studies & Digital Practice

ENGL 417 (3) Second Language Acquisition

ENGL 426 (3) Communication in Writing II

ENGL 435 (4) Intro to English as a Second/Foreign Language

ENGL 436 (3) Integrating Language & Content in English Instruction

B. Writing Practices

ENGL 205 (4) Beginning Creative Writing

ENGL 311 (4) Environmental Writing

ENGL 314 (4) Creative Writing: Nonfiction

ENGL 315 (4) Creative Writing: Fiction

ENGL 316 (4) Creative Writing: Poetry

ENGL 422 (4) Advanced Research Writing

ENGL 460 (2) Toyon Literary Magazine

ENGL 480 (1-4) Special Topic course with a writing emphasis
One year of a language other than English taken at the college level.

Select one of the following courses from Pathway A:

- ENGL 325 (4) History of the English Language
- ENGL 330 (4) American Literature (variable topics)
- ENGL 342 (4) Special Topics in Shakespeare
- ENGL 350 (4) British Literature
- ENGL 360 (4) Topics in Literature/ Language
- ENGL 370 (4) Literary Field Studies
- ENGL 420 (4) Advanced Topics in Critical Theory
- ENGL 465B/ENGL 465C (3) Multicultural Issues in Language & Literature
- ENGL 480 (1-4) Special Topic course with a literary emphasis

Select one of the following courses from Pathway C:

- ENGL 328 (4) Structure of American English
- ENGL 336 (4) American Ethnic Literature
- ENGL 344 (3) Young Adult Literature
- ENGL 406 (4) Contemporary Composition: Traditional Studies & Digital Practice
- ENGL 417 (3) Second Language Acquisition
- ENGL 426 (3) Communication in Writing II
- ENGL 435 (4) Intro to English as a Second/Foreign Language
- ENGL 436 (3) Integrating Language & Content in English Instruction

C. Teaching the Language Arts

Students in this pathway, as part of their General Education requirements, must complete COMM 100 (Fundamentals of Speech Communication) and ENGL 102 & ENGL 103 or ENGL 104 or ENGL 104S (Composition & Rhetoric), and in GE lower division Area C, include TA 106 (Behind the Scenes in Theatre) as part of the nine-unit requirement.

Students in this pathway must take all of the following courses:

- ENGL 230 or ENGL 231 (4) Survey of British Literature
- ENGL 232 (4) Survey of American Literature
- ENGL 240 (4) World Literature
- ENGL 328 (4) Structure of American English
- ENGL 336 (4) American Ethnic Literature
- ENGL 342 (4) Special Topics in Shakespeare
- ENGL 344 (3) Young Adult Literature
- ENGL 406 (4) Contemporary Composition: Traditional Studies & Digital Practice
- ENGL 426 (3) Communication in Writing II
- ENGL 435 (4) Intro to English as a Second/Foreign Language
- TA 106 (3) Behind the Scenes in Theatre

Extended Study for Pathway C (12 units). Choose **one** extended study area:

1. Literature/Language

- ENGL 325 (4) History of English Language
- ENGL 350 (4) British Literature
- ENGL 420 (4) Advanced Topics in Critical Theory

2. Writing

- ENGL 311 (4) Environmental Writing
- ENGL 314 (4) Creative Writing: Nonfiction
- ENGL 422 (4) Advanced Research Writing

3. Language Acquisition and Development

- ENGL 417 (3) Second Language Acquisition
- ENGL 436 (3) Integrating Language & Content in English Instruction

Minimum of six semester units of a language other than English taken at a university or intensive language program.

■ Capstone Course (For students in all pathways.)

- ENGL 490 (2) Senior Portfolio Seminar

REQUIREMENTS FOR THE MINORS

Minor in English Literature

Advisor

Janet Winston, Ph.D.
Founders Hall 213
707-826-3913

A minimum of 15 units, 11 of which must be upper division. See the Literature Minor Advisor for course approval and advice in planning a minor appropriate to your needs and interests.

Lower Division

- ENGL 120 (4) Intro to the English Major
- ENGL 220 (4) Literature, Identity & Representation
- ENGL 230 (4) Survey of British Literature: Beginnings through the 18th Century
- ENGL 231 (4) Survey of British Literature: 19th and 20th Centuries
- ENGL 232 (4) Survey of American Literature
- ENGL 240 (4) World Literature

Upper Division

- ENGL 305 (3) Postcolonial Perspectives: Literature of the Developing World
- ENGL 306 (3) Contemporary Texts
- ENGL 308B-C (3) Women in Literature
- ENGL 320 (4) Practical Criticism (Prerequisite: ENGL 120 or ENGL 220)
- ENGL 330 (4) American Literature*
- ENGL 336 (4) American Ethnic Literature
- ENGL 342 (4) Special Topics in Shakespeare*
- ENGL 350 (4) British Literature*
- ENGL 360 (4) Special Topics in Literature
- ENGL 370 (4) Literary Field Studies
- ENGL 420 (4) Advanced Topics in Critical Theory*
- ENGL 465B-C (4) Multicultural Issues in Literature/Languages*
- ENGL 480 (1-4) Special Topics* (must be in a literature topic)

*Requires ENGL 320 Practical Criticism as a prerequisite. Instructors have some discretion to waive this requirement.

Minor in English Writing

Advisor

Barbara Curiel, Ph.D.
BSSB 240
707-826-3474

A minimum of 15 units, 11 of which must be upper division. See the Writing Minor Advisor for course approval and advice in planning a minor appropriate to your needs and interests.

ENGL 205	(4)	Beginning Creative Writing
ENGL 311	(4)	Environmental Writing
ENGL 314	(4)	Creative Writing: Nonfiction
ENGL 315	(4)	Creative Writing: Fiction
ENGL 316	(4)	Creative Writing: Poetry
ENGL 422	(4)	Advanced Research Writing

Minor in Teaching English as a Second Language

Advisor

Suzanne Scott, Ph.D.
Founders Hall 217
707-826-5932

The Program

This coursework develops and refines skills necessary in teaching English as a second language (in the US, foreign schools, and language institutes).

For a master's level TESL program, see the TESL minor in the English MA program.

Preparation

Take high school or community college courses in English, languages other than English, and ethnic studies.

Course Requirements

Six semester units of a language other than English taken at the university level or at an intensive language program.

ENGL 326	(4)	Language Studies for Teachers, or
ENGL 328	(4)	Structure of American English

All of the following:

ENGL 417	(3)	Second Language Acquisition
ENGL 435	(4)	Intro to English as a Second/Foreign Language
ENGL 436	(3)	Integrating Language & Content in English Instruction

NOTE: ENGL 435 is a prerequisite for 436. Also, ENGL 326 or 328 or the equivalent is a prerequisite for ENGL 417.

REQUIREMENTS FOR THE MASTER OF ARTS DEGREE

Candidate Admission

- For current admission requirements, please consult the English Department's website at www.humboldt.edu/english/GraduateDegreeHome.htm

General Degree Requirements

- 40 units of graduate work — 500, 600 series — in language, composition, and literature courses approved by the department
- GPA of 3.0 in all coursework applied to the degree (no individual grade less than B- will apply to the degree)

Course Requirements

Core courses required for both the Literary & Cultural Studies and the Composition Studies & Pedagogy emphases:

ENGL 600	(4)	Graduate Studies Introduction
ENGL 605	(4)	Cultural Studies Introduction
ENGL 611	(4)	Reading and Writing Pedagogy I
ENGL 690	(4)	Master's Project

Literary & Cultural Studies Emphasis

ENGL 536	(4)	Problems in Form, Genre, Media
ENGL 546	(4)	Reading Historically
ENGL 560	(4)	Special Topics in Literature
ENGL 620	(4)	Seminar in Critical Theory

Eight units from the Composition Studies & Pedagogy emphasis.

Reading knowledge of one language other than English.

Composition Studies & Pedagogy Emphasis

ENGL 612	(4)	Reading and Writing Pedagogy II
ENGL 618	(4)	Linguistic & Rhetorical Approaches to Writing

Complete one option:

Teaching English as a Second Language Option:

ENGL 614	(4)	Teaching ESL Writing
ENGL 635	(4)	Intro to English as a Second/Foreign Language

Writing & Advocacy Option:

ENGL 570	(4)	Literary Field Studies
ENGL 615	(4)	Writing for Change Workshop

Eight units from the Literary & Cultural Studies emphasis.

Peace Corps Service with TESL Emphasis

Before beginning their Peace Corps Master's International assignments, participants must meet academic requirements of the master's programs. The program prepares students for Peace Corps service and volunteer and development activities generally. Peace Corps volunteer service will provide the basis for the project report requirement.

Year 1:

ENGL 417	(3)	Second Language Acquisition
ENGL 600	(4)	Graduate Studies Introduction
ENGL 614	(4)	Teaching ESL Writing
ENGL 635	(4)	Intro to English as a Second/Foreign Language
ENGL 684	(2)	Internship in Teaching ESL Modern language Study

Years 2 and 3: PEACE CORPS SERVICE

Year 4 (final semester):

ENGL 436	(3)	Integrating Language & Content in English Instruction
ENGL 615	(4)	Writing for Change Workshop
ENGL 618	(4)	Linguistic & Rhetorical Approaches to Writing, or
ENGL 328	(4)	Structure of American English
ENGL 694	(4)	Reflections on Field Experience
ENGL 695	(2)	Culminating Activity: Critical Analysis of Field Experience

TEACHING ENGLISH AS A SECOND LANGUAGE (TESL) MINOR FOR THE MA

Six semester units of a language other than English taken at the university level or at an intensive language program.

ENGL 417	(3)	Second Language Acquisition
ENGL 614	(4)	Teaching ESL Writing
ENGL 618	(4)	Linguistic & Rhetorical Approaches to Writing
ENGL 635	(4)	Intro to English as a Second/Foreign Language



ENVIRONMENTAL ETHICS MINOR

Minor in Environmental Ethics

Advisors

Matt Johnson, Ph.D.
WFB 222
707-826-3218

Rick Brown, Ph.D.
WFB 260
707-826-3320

The Program

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

Listed in preferred sequence:

PHIL/WLDF 302 (3) Environmental Ethics

Introduction to Environment

One of the following:

- EMP 365 (3) Local Government Planning
- FISH 300 (3) Introduction to Fishery Biology
- FISH 310 (4) Ichthyology
- FOR 130 (3) Dendrology
- FOR 302 (3) Forest Ecosystems & People
- RRS 306 (3) Wildland Resource Principles
- WLDF 300 (3) Wildlife Ecology & Management
- WLDF 301 (3) Principles of Wildlife Management

Environmental Issues

One of the following:

- ENGR 305 (3) Appropriate Technology
- FISH 443 (3) Problems in Water Pollution Biology
- FOR 374 (3) Wilderness Area Mgmt.
- FOR 432 (4) Silviculture
- EMP 215 (3) Natural Resources & Recreation
- OCN 301 (3) Marine Ecosystems — Human Impact
- OCN 304 (3) Resources of the Sea
- WLDF 423 (3) Wildlife Management (Nongame Management)

One of the following:

- ECON 309 (3) Economics of a Sustainable Society
- ENVS 308 (3) Ecotopia
- EMP 400/ENVS 400 (3) Inscape & Landscape
- PHIL 106 (3) Moral Controversies
- PSCI 306 (3) Environmental Politics
- FOR 400 (3) Forestry in Modern Society

Environmental Decision Making

One of the following:

- EMP 305/ENVS 305 (3) Environmental Conflict Resolution
- WLDF 309 (3) Case Studies in Environmental Ethics



ENVIRONMENTAL MANAGEMENT & PROTECTION

Bachelor of Science degree with a major in Environmental Management & Protection

with options in:

- Environmental Education and Interpretation
- Environmental and Natural Resources Planning
- Environmental and Natural Resources Recreation

Minor in Natural Resources (see Natural Resources)

Minor in Environmental Education & Interpretation

Minor in Environmental & Natural Resources Planning

Minor in Environmental & Natural Resources Recreation

Certificates of Study

- Environmental Education & Interpretation
- Environmental & Natural Resources Planning
- Natural Resources Policy & Administration

Master of Science degree in Natural Resources — Environmental & Natural Resources Sciences option

Department Chair

Steven R. Martin, Ph.D.

Environmental Science & Management

Natural Resources Building 200
707-826-4147, fax 707-826-4145
www.humboldt.edu/environment

The Program

Students completing this program will have demonstrated:

- the ability to apply science to understanding ecosystems and natural resources
- understanding of, and ability to analyze human interactions with the natural environment
- knowledge and skills to seek out the information and resources necessary to understand complex environmental issues
- knowledge and skills to manage human use of environmental resources
- the ability to communicate with a variety of audiences, both orally and in writing.

Environmental Management & Protection (EMP) studies center on relationships between human society and natural ecosystems. Potential careers: environmental

education leader; environmental impact analyst, GIS or remote sensing analyst, environmental information specialist, natural resource specialist, environmental planner; naturalist, park ranger; recreation specialist, rural county planner; wilderness manager.

Environmental Education and Interpretation Option

Environmental Educators and Interpreters are essential for increasing public awareness about the environment, connecting people to places of historic and natural significance, promoting environmental stewardship, and instilling a sense of wonder for the natural world. Students are trained in education, interpretation and communication methods that help diverse audiences understand and appreciate environmental and historic resources and places. Using oral and graphic communication strategies, students create environmental based messages that audiences can relate to, understand, and respond to in constructive ways. While interpretation focuses more on inspiration and relevance, and environmental education focuses more on environmental literacy and informed action, both have a similar end goal of protecting natural and historic resources.

Our program emphasizes hands-on learning, including projects that address community needs. Students learn in the field, classroom, and lab. Graduates are prepared for positions with environmental education centers, national and state parks, nature centers, children's museums, natural resource agencies, conservation groups, park and recreation programs, and other private and non-profit environmental groups.

Environmental and Natural Resources Planning Option

Natural resource planners find ways for people to live in harmony with the natural environment, satisfying our needs for space and resources while maintaining a high quality, sustainable environment.

Planners must understand the complexity and dynamics of our biophysical world, from which comes our natural resource base. Planners also work within the context of human social, political, cultural, and economic systems that impose demands on our natural resource base.

Graduates find careers in environmental analysis and land-use planning with consulting firms; local, state, and federal governments; and natural resource-oriented companies and agencies.

Environmental and Natural Resources Recreation Option

Natural resource recreation professionals seek to provide high quality recreation opportunities resulting in benefits to the recreating public while protecting the resources from degradation. Natural resource recreation students learn to understand the human nature of the recreation experience, the ecological nature of outdoor recreation resources, and how to manage both people and resources for the benefit of both.

Humboldt's location in a recreation wonderland enhances the educational opportunities through natural laboratories, interaction with recreation providers, and internship placements. Students prepare for careers with federal, state, and local public agencies; consulting firms; and natural resource-oriented private companies.

Preparation

In high school take chemistry, biology, math, geography, and earth science. Take every opportunity to learn to think clearly, write effectively, and speak well.

REQUIREMENTS FOR THE MAJOR

For a description of degree requirements to be fulfilled in addition to those listed below for the major, please see "The Bachelor's Degree" section of the catalog, pp. 58-74, and "The Master's Degree" section of the catalog, pp. 75-76.

Core Courses (all options)

Complete all courses in the major with a C- or better.

BOT 105	[4]	General Botany
SOIL 260	[3]	Into to Soil Science
CHEM 107	[4]	Fundamentals of Chemistry
GSP 101/ GSP 101L	[2/1]	Geospatial Concepts and Lab
EMP 105	[3]	NR Conservation
EMP 210	[3]	Public Land Use Policies & Management
GSP 270	[3]	Introduction to GIS
EMP 305	[3]	Environmental Conflict Resolution
EMP 309B	[3]	Environmental Communication

- EMP 325 (3) Environmental Law & Regulation
 EMP 435 (2) Grant Proposal Writing
 EMP 482 (2-3) Internship

Environmental Education and Interpretation Option

Complete all courses in the major with a C- or better.

Core courses plus:

- GEOG 106 (3) Physical Geography, **or**
 GEOL 109 (4) Introduction to Geology
 EMP 215 (3) Natural Resources & Recreation
 EMP 253 (3) Interpretive Computer Graphics
 EMP 350 (3) Fundamentals of Environmental Education & Interpretation
 EMP 351 (1) Environmental Interpretation Field Trip
 EMP 353 (3) Environmental Education & Interpretation Graphics
 EMP 430 (3) NR Management in Protected Areas
 EMP 415 (3) Recreation & Park Planning, **or**
 EMP 440 (2) Managing Recreation Visitors
 EMP 450 (3) Applied Environmental Education & Interpretation
 EMP 453 (4) Environmental Education & Interpretation Practicum
 STAT 108 (4) Elementary Statistics
 ZOOL 110 (4) Introductory Zoology

Take a minimum of six units each from **one** technical area and **one** content knowledge area:

Environmental Education – Technical

- CD 256 (3) Middle Childhood Development, **or**
 PSYC 213 (3) The School-Age Child
 REC 330 (3) Adventure Theory & Practice

Interpretive Graphic Design – Technical

- ART 340 (3) Intermediate Graphic Design I
 ART 343 (3) Advanced Graphic Design
 ART 356 (3) Museum & Gallery Practices

Botanical

- BOT 300 (3) Plants & Civilization
 BOT 330/BOT 330L (2) Plant Ecology
 BOT 350 (4) Plant Taxonomy
 BOT 354 (4) Agrostology

- FOR 130 (3) Dendrology
 FOR 131 (3) Forest Ecology
 FOR 307 (3) California's Forests & Woodlands

Cultural

- ANTH 394 (4) Archaeology of N. America
 HIST 305 (3) The American West, 1763-1900
 HIST 368 (4) Colonial & Revolutionary America
 HIST 371 (4) Civil War & Reconstruction
 HIST 383 (4) California History
 NAS 306 (3) Indigenous Peoples of the Americas
 NAS 325 (3) Native Tribes of California
 NAS 327 (3) Native Tribes of North American Regions
 NAS 331 (3) Intro to Native American Perspectives on NR Mgmt.

Earth Resources

- GEOL 300/GEOL 300L (3/1) Geology of California
 GEOL 303 (3) Earth Resources & Global Environmental Change
 GEOL 305 (3) Fossils, Life & Evolution
 GEOL 306 (3) General Geomorphology
 GEOG 352 (3) Regional Climatology
 GEOG 353 (3) Mountain Geography
 SOIL 360 (3) Origin & Classification of Soils
 SOIL 363 (3) Wetland Soils
 WSHD 458 (3) Climate Change & Land Use

Marine / Aquatic

- BIOL 430 (3) Intertidal Ecology
 FISH 300 (3) Intro to Fishery Biology
 FISH 320 (3) Limnology
 OCN 109 (4) General Oceanography
 OCN 301 (3) Marine Ecosystems – Human Impact
 OCN 310 (4) Biological Oceanography

Natural Resource Management

- ANTH 374 (4) Cultural Resource Mgmt.
 EMP 415 (3) Recreation & Park Planning
 FISH 260 (3) Fish Conservation & Mgmt.
 FISH 300 (3) Intro to Fishery Biology
 FOR 315 (3) Forest Management
 FOR 374 (3) Wilderness Area Mgmt.
 RRS 306 (3) Wildland Resource Principles
 SOIL 460 (3) Forest & Range Soils Management
 WLDF 301 (3) Principles of Wildlife Mgmt.
 WSHD 310 (4) Hydrology & Watershed Mgmt.

Zoological

- WLDF 365 (3) Ornithology I
 ZOOL 314 (5) Invertebrate Zoology
 ZOOL 316 (3) Freshwater Aquatic Invertebrates
 ZOOL 354 (4) Herpetology
 ZOOL 356 (3) Mammalogy
 ZOOL 358 (4) General Entomology

Environmental and Natural Resources Planning Option

Complete all courses in the major with a C- or better.

Core courses plus:

- GSP 216 (3) Introduction to Remote Sensing
 EMP 360 (3) Intro to Natural Resource Planning Methods
 EMP 365 (3) Local Government Planning
 BIOL 330 (4) Principles of Ecology, **or**
 WLDF 301 (3) Principles of Wildlife Mgmt.
 FOR 130 (3) Dendrology
 ECON 423 (3) Natural Resource Economics
 EMP 420 (3) Ecosystem Analysis
 EMP 425 (3) Environmental Impact Assessment
 EMP 460 (3) Environmental Planning for Public Lands
 EMP 462 (3) Coastal & Marine Planning
 EMP 475 (4) Senior Planning Practicum
 GEOG 106 (3) Physical Geography
 STAT 108 (4) Elementary Statistics, **or**
 STAT 109 (4) Intro Biostatistics

Two of the following:

- FISH 260 (3) Fish Conservation & Mgmt.
 FISH 320/FISH 320L (3/1) Limnology/Practicum
 FISH 460 (3) Adv. Fish Conservation & Management
 FOR 315 (3) Forest Management
 FOR 321 (3) Fire Ecology
 FOR 374 (3) Wilderness Area Mgmt.
 FOR 423 (3) Wildland Fuels Mgmt.
 GEOL 303 (3) Earth Resources & Global Environmental Change
 GEOL 306 (3) General Geomorphology
 GEOL 308 (3) Natural Disasters
 EMP 430 (3) NR Management in Protected Areas
 EMP 440 (2) Managing Recreation Visitors
 RRS 306 (3) Wildland Resource Principles

- SOIL 360 (3) Origin & Classification of Soils
 SOIL 460 (3) Forest & Range Soils Management
 SOIL 468 (3) Intro to Agroforestry
 WLDF 301 (3) Principles of Wildlife Management

Environmental and Natural Resources Recreation Option

Complete all courses in the major with a C- or better.

Core courses plus:

- FOR 374 (3) Wilderness Area Mgmt.
 EMP 215 (3) Natural Resources & Recreation
 EMP 253 (3) Interpretive Computer Graphics
 EMP 350 (3) Fundamentals of Environmental Education & Interpretation
 EMP 351 (1) Environmental Interpretation Field Trip
 EMP 415 (3) Recreation & Park Planning (alternate years)
 EMP 425 (3) Environmental Impact Assessment
 EMP 430 (3) NR Management in Protected Areas
 EMP 440 (2) Managing Recreation Visitors Lecture (alternate years)
 STAT 108 (4) Elementary Statistics
 FOR 131 (3) Forest Ecology, **or**
 RRS 370 (3) Wildland Ecology Principles, **or**
 BIOL 330 (4) Principles of Ecology

One of the following recreation courses:

- REC 310 (3) Recreation for Special Groups
 REC 320 (3) Organization, Administration & Facility Planning
 REC 330 (3) Adventure Theory & Practice
 REC 335 (3) Tourism Planning & Development

One of the following communication courses:

- COMM 312 (4) Group Communication
 COMM 322 (4) Intercultural Communication
 COMM 411 (4) Organizational Communication

One of the following business courses:

- BA 210 (4) Legal Environment of Business
 BA 340 (4) Principles of Marketing
 BA 370 (4) Principles of Management

Two of the following management courses:

- FISH 260 (3) Fish Conservation & Mgmt.
 FISH 300 (3) Intro to Fishery Biology
 FOR 315 (3) Forest Management
 RRS 306 (3) Wildland Resource Principles
 SOIL 460 (3) Forest & Range Soils Management
 WLDF 301 (3) Principles of Wildlife Management

REQUIREMENTS FOR THE MINORS

Natural Resources Minor (see Natural Resources)

Environmental Education & Interpretation Minor

- EMP 215 (3) Natural Resources & Recreation
 EMP 253 (3) Interpretive Computer Graphics [or equivalent]
 EMP 350/EMP 351 (3/1) Fundamentals of Environmental Education & Interpretation, **and** Field Trip
 EMP 353 (3) Environmental Education & Interpretation Graphics
 EMP 430 (3) NR Management in Protected Areas
 EMP 450 (3) Applied Environmental Education & Interpretation

Environmental & Natural Resources Planning Minor

- GEOG 106 (3) Physical Geography
 EMP 105 (3) Natural Resource Conservation
 EMP 210 (3) Public Land Use Policies & Management
 EMP 360 (3) Intro to Natural Resource Planning Methods

Plus two of the following:

- EMP 325 (3) Environmental Law & Regulation
 EMP 365 (3) Local Government Planning
 EMP 425 (3) Environmental Impact Assessment

Environmental & Natural Resources Recreation Minor

- FOR 374 (3) Wilderness Area Mgmt.
 EMP 210 (3) Public Land Use Policies & Management
 EMP 215 (3) Natural Resources & Recreation
 EMP 305 (3) Environmental Conflict Resolution, **or**
 EMP 309B (3) Environmental Communication
 EMP 415 (3) Recreation & Park Planning, **or**
 EMP 440 (2) Managing Recreation Visitors
 EMP 430 (3) NR Management in Protected Areas



ENVIRONMENTAL RESOURCES ENGINEERING

Bachelor of Science degree with a major in Environmental Resources Engineering

See *Environmental Systems for the Master of Science degree with options in Environmental Resources Engineering (ERE) and Energy, Technology, and Policy*.

Department Chair

Eileen Cashman, Ph.D.

Department of Environmental Resources Engineering

Harry Griffith Hall 119

707-826-3619

engineering@humboldt.edu

www.humboldt.edu/engineering

For a complete description of the ERE program, including its program goals, see our webpage at www.humboldt.edu/engineering.

Mission Statement

The mission of the ERE program is to prepare engineers to identify and solve complex environmental resource problems. The program strives to educate leaders who will sustain, restore and protect our natural resources and the environment.

The Program

Students completing this program will have demonstrated:

- an ability to apply knowledge of mathematics, science, and engineering
- an ability to design and conduct experiments, as well as to analyze and interpret data
- an ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability
- an ability to function on multidisciplinary teams
- an ability to identify, formulate, and solve engineering problems
- an understanding of professional and ethical responsibility
- an ability to communicate effectively
- the broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context
- a recognition of the need for, and an ability to engage in, life-long learning

- a knowledge of contemporary issues
- an ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.

HSU offers one of the largest 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, ocean engineer, sanitary engineer, hazardous waste engineer, fisheries engineer, energy engineer, groundwater engineer, air pollution engineer, water quality engineer, civil engineer, hydraulic engineer, public health engineer, solar engineer, consulting engineer, hydrologist, resource planner, and water resources engineer.

The Environmental Resources Engineering program at Humboldt State University is accredited by the Engineering Accreditation Commission of ABET (111 Market Place, Suite 1050, Baltimore, MD 21202-4012, 410-347-7700).

Preparation

High school students should take courses in biology, chemistry, physics, mathematics, critical thinking, and oral/written communications.

REQUIREMENTS FOR THE MAJOR

For a description of degree requirements to be fulfilled in addition to those listed below for the major, please see "The Bachelor's Degree" section of the catalog, pp. 58-74, and "The Master's Degree" section of the catalog, pp. 75-76.

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	(4)	Principles of Biology
CHEM 109/CHEM 110	(5/5)	General Chemistry I, II
MATH 109/MATH 110/MATH 210	(4/4/4)	Calculus I, II, III
PHYX 110	(4)	General Physics II
ENGR 115	(3)	Intro to Environmental Resources Engineering
ENGR 210	(3)	Solid Mechanics: Statics
ENGR 211	(3)	Solid Mechanics: Dynamics
ENGR 215	(3)	Introduction to Design
ENGR 225	(3)	Computational Methods for Environmental Engineering I

Upper Division

ENGR 313	(3)	Systems Analysis
ENGR 322	(4)	Environmental Data Modeling & Analysis
ENGR 325	(3)	Computational Methods for Environmental Engineering II
ENGR 326	(3)	Computational Methods for Environmental Engineering III
ENGR 330	(3)	Mechanics & Science of Materials
ENGR 331	(3)	Thermodynamics & Energy Systems I
ENGR 333	(4)	Fluid Mechanics
ENGR 351	(4)	Water Quality & Environmental Health
ENGR 410	(3)	Environmental Impact Assessment
ENGR 416	(3)	Transport Phenomena
ENGR 440	(3)	Hydrology I
ENGR 492	(3)	Capstone Design Project

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.

One science/natural resources course:		
BIOL 330	(4)	Principles of Ecology
CHEM 328	(4)	Brief Organic Chemistry
FISH 320	(3)	Limnology
GEOG 306	(3)	General Geomorphology
PHYX 315	(3)	Intro to Electronics and Electronic Instrumentation
SOIL 360	(3)	Origin and Class of Soils
SOIL 363	(3)	Wetland Soils

Three engineering design courses:

- ENGR 418 (3) Applied Hydraulics
- ENGR 421 (3) Advanced Numerical
Methods for Engineers I
- ENGR 434 (3) Air Quality Management
- ENGR 435 (3) Solid Waste Management
- ENGR 441 (3) Hydrology II
- ENGR 443 (3) Groundwater Hydrology
- ENGR 445 (3) Water Resources
Planning & Management
- ENGR 448 (3) River Hydraulics
- ENGR 451 (4) Water & Wastewater
Treatment Engineering
- ENGR 455* (3) Engineered Natural
Treatment Systems
- ENGR 471 (3) Thermodynamics &
Energy Systems II
- ENGR 473 (3) Building Energy Analysis
- ENGR 475 (3) Renewable Energy Power
Systems
- ENGR 477 (3) Solar Thermal Engineering
- ENGR 481 (3) Selected Topics with
Engineering Design
- ENGR 498 (1-3) Directed Design Project

*ENGR 455 may only be used as a design
elective if ENGR 451 is taken first.



ENVIRONMENTAL SCIENCE

Bachelor of Science degree with a major in Environmental Science — with options in Ecological Restoration, Energy & Climate, Environmental Policy, and Geospatial Science

Minor in Ecological Restoration

Minor in Environmental Policy

Department Chair

Steven R. Martin, Ph.D.

Environmental Science & Management

Natural Resources Building 200

707-826-4147

www.humboldt.edu/environment

Associated Faculty & Advisors

Stephen Cunha, *Geography*

Yvonne Everett,

Environmental Science & Management

Kevin Fingerhman,

Environmental Science & Management

James Graham,

Environmental Science & Management

Steven Hackett, *Economics*

Susan Marshall, *Forestry and Wildland*

Resources

Steven R. Martin,

Environmental Science & Management

John Meyer, *Political Science*

Jack Murphy,

Environmental Science & Management

Alison Purcell O'Dowd,

Environmental Science & Management

Laurie Richmond,

Environmental Science & Management

Sabra Steinberg,

Environmental Science & Management

William Trush,

Environmental Science & Management

The Program

Students completing this program will have demonstrated:

- understanding of essential biological, chemical, and physical processes
- understanding of the policy, economic, and social implication of many environmental issues
- skills of analysis necessary to understand and predict the consequences of human action on the physical, biological, and cultural world
- the ability to examine and understand the requirements needed to achieve environmental conservation for a sustainable society
- writing, speaking, and electronic communication skills needed to communicate with the public and professionals concerning the environmental sciences
- critical thinking skills as the basis for decision making and sound value judgments
- teamwork, leadership, and conflict resolution skills.

Within the program, the Environmental Policy option trains students to understand and address environmental issues in their political, social, and scientific context, designing policies that balance our need for resources with our need to conserve the environment. The Ecological Restoration option emphasizes renewing degraded, damaged, or destroyed ecosystems through active human intervention, reestablishing ecological integrity and sustainability by restoring native species and ecological linkages. Students in the Energy and Climate option are provided a foundation in climate change-related sciences, as well as knowledge in important concepts related to the ways we produce and use energy.

Potential careers: graduates should find work with state, federal, and local governments, nonprofit conservation organizations, private sector consulting firms (particularly those dealing with environmental impact analysis, wetlands delineation, environmental restoration, and natural resource management), or go on to professional and graduate schools to study ecology, soils, watershed management, law, political science, public administration, or environmental policy.

Preparation

High school students need strong academic preparation in math, writing, and the sciences.

REQUIREMENTS FOR THE MAJOR

For a description of degree requirements to be fulfilled in addition to those listed below for the major, please see "The Bachelor's Degree" section of the catalog, pp. 58-74, and "The Master's Degree" section of the catalog, pp. 75-76.

Complete all courses in the major with a C- or better.

Core

- EMP 105 (3) Natural Resource Conservation
- ENVS 110 (3) Intro to Environmental Science
- ENVS 111 (1) Environmental Science Seminar
- GSP 101/GSP 101L (2/1) Geospatial Concepts and Lab
- GSP 270 (3) Intro to GIS
- ENVS 220 (3) Intro to Environmental Policy
- ENVS 230 (3) Environmental Problem Solving
- ENVS 301/GEOG 301 (3) International Environmental Issues & Globalization
- ENVS 410 (3) Environmental Science Practicum, **or**
- ENVS 411 (3) Sustainable Campus
- EMP 425 (3) Environmental Impact Assessment
- EMP 435 (2) Grant Proposal Writing

Ecological Restoration Option

Complete all courses in the major with a C- or better.

Core courses plus:

Lower Division

- CHEM 107 (4) Fundamentals of Chemistry
- BIOL 105 (4) Principles of Biology
- BOT 105 (4) General Botany
- SOIL 260 (3) Intro to Soil Science
- STAT 109 (4) Introductory Biostatistics

Upper Division

- BIOL 330 (4) Principles of Ecology, **or**
- BOT 330/BOT 330L (2/1) Plant Ecology and Lab, **or**
- FOR 131 (3) Forest Ecology, **or**
- RRS 370 (3) Wildland Ecology Principles, **or**
- WLDF 301 (3) Principles of Wildlife Management

- EMP 305 (3) Environmental Conflict Resolution, **or**
 EMP 309B (3) Environmental Communication
- RRS 306 (3) Wildland Resource Principles
- WSHD 310 (4) Hydrology & Watershed Management
- ENVS 350 (3) Principles of Ecological Restoration
- BOT 350 (4) Plant Taxonomy
- SOIL 363 (3) Wetland Soils, **or** upper division soils course approved by advisor
- EMP 400 (3) Inscape & Landscape, **or**
 FOR 400 (3) Forestry in Modern Society, **or**
- WLDF 302/PHIL 302 (3) Environmental Ethics
- FISH 470 (3) River Fish Restoration Ecology [Prereq: FISH 310], **or**
- FOR 431 (3) Forest Restoration, **or**
 RRS 430 (3) Wildland Restoration & Development
- ENVS 450 (3) Applied Ecological Restoration

Choose two of the following:

- EMP 420 (3) Ecosystem Analysis
 FISH 320/FISH 320L (3/1) Limnology and Practicum
- FISH 476 (3) Ecology of Running Waters
- FOR 315 (3) Forest Management
- FOR 430 (3) Forest Ecosystems
- GEOL 306 (3) General Geomorphology
- SOIL 360 (3) Origin & Classification of Soils
- WLDF 430 (3) Ecology & Management of Wetland Habitats for Wildlife
- WLDF 431 (3) Ecology & Management of Upland Habitats for Wildlife
- WLDF 460 (3) Conservation Biology

NOTE: 24 units double-count toward GE requirements.

Energy & Climate Option

Complete all courses in the major with a C- or better.

Core courses plus:

Lower Division

- BOT 105 (4) General Botany, **or**
 BIOL 105 (4) Principles of Biology
- MATH 105 (3) Calculus for the Biological Sciences & Natural Resource
- ECON 104 (3) Contemporary Topics in Economics
- CHEM 107 (4) Fundamentals of Chemistry
- OCN 109 (4) General Oceanography
- PHYX 106 (4) College Physics: Mechanics & Heat
- PHYX 107 (4) College Physics: Electromagnetism & Modern Physics
- STAT 109 (4) Introductory Biostatistics

Upper Division

- ENGR 305 (3) Appropriate Technology
- BIOL 330 (4) Principles of Ecology, **or**
 WLDF 301 (3) Principles of Wildlife Management
- EMP 305 (3) Environmental Conflict Resolution, **or**
 EMP 309B (3) Environmental Communication
- ENGR 371 (3) Energy Systems & Technology
- ENVS 370 (3) Energy, Technology & Society
- CHEM 370 (3) Earth System Chemistry
- EMP 400 (3) Inscape & Landscape
- OCN 420 (3) Oceans and Climate
- WSHD 458 (3) Climate Change & Land Use
- ECON 450 (4) Energy Economics & Climate Policy

NOTE: 27 units double-count toward GE requirements.

Environmental Policy Option

Complete all courses in the major with a C- or better.

Core courses plus:

Lower Division

- FOR 100 (3) Critical Thinking and Social & Environmental Responsibility
- ECON 104 (3) Contemporary Topics in Economics
- CHEM 107 (4) Fundamentals of Chemistry
- BOT 105 (4) General Botany, **or**
 BIOL 105 (4) Principles of Biology
- STAT 108 (4) Elementary Statistics, **or**
 STAT 109 (4) Introductory Biostatistics
- EMP 210 (3) Public Land Policy

Upper Division

- EMP 305 (3) Environmental Conflict Resolution
- EMP 309B (3) Environmental Communication
- EMP 325 (3) Environmental Law & Regulation
- PHIL 302/WLDF 302 (3) Environmental Ethics
- ECON 309 (3) Economics of a Sustainable Society, **or**
 ENGR 308 (3) Technology & the Environment
- BIOL 330 (4) Principles of Ecology, **or**
 WLDF 301 (3) Principles of Wildlife Mgmt.
- NAS 332 (3) Environmental Justice
- EMP 400 (3) Inscape & Landscape
- ECON 423 (3) Environmental & Natural Resource Economics
- EMP 430 (3) Natural Resource Mgmt. in Protected Areas

Choose three of the following, or course(s) approved by Advisor:

- EMP 462 (3) Coastal & Marine Planning
- FISH 220 (3) Water Resources & Conservation
- NAS 331 (3) Intro to Native American Perspectives on Natural Resources Management
- NAS 364 (4) Federal Indian Law I
- NAS 366 (3) Tribal Water Rights
- PSCI 317 (1-4) Topics in Public Policy
- PSCI 352 (4) Water Politics
- PSCI 358 (4) Political Advocacy
- PSCI 360 (4) Political Economy
- PSCI 364 (4) Technology & Development
- PSCI 365/GEOG 365 (4) Political Ecology
- PSCI 373 (4) Politics of Sustainability
- PSCI 412 (4) Legal Research

NOTE: 30 units double-count toward GE requirements.

Geospatial Science Option

Complete all courses in the major with a C- or better.

Core courses plus:

Lower Division

- GEOG 106 (3) Physical Geography
- STAT 109 (4) Introductory Biostatistics
- GSP 118 (4) Geospatial Programming I
- GSP 216 (3) Intro to Remote Sensing

Upper Division

- GSP 316 (4) Cartography
- GSP 326 (3) Intermediate Remote Sensing
- GSP 330 (3) Mobile Mapping
- GSP 370 (3) Intermediate GIS
- EMP 305 (3) Environmental Conflict Resolution, **or**
- EMP 309B (3) Environmental Communication
- GSP 436 (3) Advanced Remote Sensing, **or**
- GSP 470 (3) Advanced GIS
- ENVS 482 (1-3) Environmental Science Internship

Choose two of the following, or course(s) approved by Advisor; minimum six units:

- EMP 325 (3) Environmental Law & Regulation
- EMP 360 (3) Intro to Natural Resource Planning Methods
- EMP 430 (3) Natural Resource Mgmt. in Protected Areas
- FISH 220 (3) Water Resources & Conservation
- FISH 260 (3) Fish Conservation & Mgmt.
- FISH 300 (3) Intro to Fishery Biology
- FOR 302 (3) Forest Ecosystems & People
- FOR 307 (3) CA's Forests & Woodlands
- GEOG 300 (3) Geology of California
- GEOG 303 (3) Earth Resources & Global Environmental Change
- GEOG 306 (3) General Geomorphology
- GEOG 308 (3) Natural Disasters
- OCN 301 (3) Marine Ecosystems — Human Impact
- OCN 304 (3) Resources of the Sea
- RRS 306 (3) Wildland Resource Principles
- WSHD 310 (4) Hydrology & Watershed Management
- WSHD 333 (3) Wildland Water Quality
- WLDF 301 (3) Principles of Wildlife Mgmt.

NOTE: 21 units double-count toward GE requirements.

REQUIREMENTS FOR THE MINORS

Ecological Restoration Minor

Required Courses

- BOT 105 (4) General Botany
- SOIL 260 (3) Intro to Soil Science
- ENVS 350 (3) Principles of Ecological Restoration

Choose one restoration course:

- FISH 470 (3) River Fish Restoration Ecology
- FOR 431 (3) Forest Restoration
- RRS 430 (3) Wildland Restoration & Development

Choose one of the following elective courses (or course approved by ENVS Program Coordinator):

- BIOL 330 (4) Principles of Ecology
- BOT 330/BOT 330L (2/1) Plant Ecology and Lab
- BOT 350 (4) Plant Taxonomy
- EMP 420 (3) Ecosystem Analysis
- FISH 310 (4) Ichthyology
- FISH 320 (3) Limnology
- FISH 476 (3) Ecology of Running Waters
- FOR 130 (3) Dendrology
- FOR 321 (3) Fire Ecology
- FOR 430 (3) Forest Ecosystems
- GEOG 306 (3) General Geomorphology
- RRS 306 (3) Rangeland Resource Principles
- SOIL 360 (3) Origin & Classification of Soils
- SOIL 363 (3) Wetland Soils
- WLDF 301 (3) Principles of Wildlife Mgmt.
- WLDF 430 (3) Ecology & Management of Wetland Habitats for Wildlife
- WLDF 460 (3) Conservation Biology
- WSHD 310 (4) Hydrology & Watershed Management

Environmental Policy Minor

Required Courses

- ENVS 110 (3) Intro to Environmental Science
- ENVS 220 (3) Intro to Environmental Policy
- EMP 210 (3) Public Land Use & Policy
- EMP 325 (3) Environmental Law & Regulation
- EMP 425 (3) Environmental Impact Assessment

Plus one of the following:

- ECON 423 (3) Environmental & Natural Resource Economics
- NAS 332 (3) Environmental Justice
- PSCI 317 (1-4) Topics in Public Policy
- PSCI 352 (4) Water Politics
- PSCI 364 (4) Technology & Development
- PSCI 373 (4) Politics of Sustainability
- PSCI 412 (4) Legal Research
- WSHD 430 (3) Water Rights/Water Law



ENVIRONMENTAL STUDIES

Bachelor of Arts degree with a major in Environmental Studies

Program Chair

Sarah Jaquette Ray, Ph.D.

Environmental Studies Program

Founders Hall 109

707-826-3946

environmentalstudies@humboldt.edu

www.humboldt.edu/enst

Associated Faculty & Advisors

Mark Baker, *Politics*

Joice Chang, *Politics*

Sing Chew, *Sociology*

Stephen Cunha, *Geography*

Matthew Johnson, *Wildlife Management*

John Meyer, *Politics*

Alison Purcell O'Dowd,

Environmental Science & Management

Marlon Sherman, *Native American Studies*

Rosemary Sherriff, *Geography*

Jessica Urban,

Critical Race, Gender & Sexuality Studies

Elizabeth Watson, *Sociology*

Noah Zerbe, *Politics*

The Program

Students completing this program will have demonstrated the ability to:

- analyze the interrelationships among social, political, geographic, economic, and cultural aspects of environmental issues and determine the effects of power and privilege on these relationships
- describe ecological systems
- apply knowledge of environmental systems to practical problems
- demonstrate a comparative understanding of social science and humanistic methods of inquiry and use these methods appropriately
- interpret and communicate complex ideas effectively
- engage in civic and public issues informed by normative and ethical inquiry
- demonstrate competence in a skill that complements environmental studies knowledge.

Environmental studies is an interdisciplinary program that provides students with concepts and tools for understanding the complex relationships between human communities and both "natural" and built

environments. As reflected in the learning outcomes, the program cultivates critical analysis of complex environmental challenges at the local and global levels, strengthens students' ability to communicate these effectively, and to act as informed citizens and professionals. This requires knowledge of ecological science and broad and deep understanding of human systems, all informed by careful reflection upon normative concerns and values.

REQUIREMENTS FOR THE MAJOR

For a description of degree requirements to be fulfilled in addition to those listed below for the major, please see "The Bachelor's Degree" section of the catalog, pp. 58-74.

Complete all courses in the major with a C- or better.

64-73 units required for the major (variation results from choice of core competency and other upper-division course options; see below). (All 9 units of UD GE and DCG-d completed with major requirements; 3 units of LD GE Area D and DCG-n may also be completed as a part of major requirements.)

Lower Division (15 units)

ENST 120 (1) Introductory Seminar to Environmental Studies

ENST 295 (4) Power/Privilege & Environment

STAT 108 (4) Elementary Statistics

Select one of the following:

ENVS 110 (3) Intro to Environmental Science

GEOG 106 (3) Physical Geography

Select one of the following:

ENVS 230 (3) Environmental Problem Solving

GSP 101/GSP 101L (2/1) Geospatial Concepts and Lab

Upper Division (43-46 units)

ECON 423 (3) Environmental & Natural Resources Economics

ENST 395 (4) Environmental Studies Research & Analysis

NAS 332 (3) Environmental Justice

PHIL 302 (3) Environmental Ethics

PSCI 306 (3) Environmental Politics

Society, Values, and Ecology

Select one of the following:

GEOG 365/PSCI 365 (4) Political Ecology

SOC 320 (4) Social Ecology

Select one of the following:

PSCI 373 (4) Politics of Sustainability

WS 340 (3-4) Ecofeminism

Globalization

Select one of the following:

GEOG 301 (3) Int'l Environmental Issues & Globalization

SOC 302 (3) Forests and Culture

SOC 370 (3) Environmental Inequality & Globalization

Ecological Science

Select one of the following:

BIOL 308 (3) Environment & Culture

FOR 302 (3) Forest Ecosystems & People

GEOG 303 (3) Earth Resources & Global Environmental Change

RRS 306 (3) Wildland Resource Principles

WLDF 300 (3) Wildlife Ecology & Mgmt.

Communication

Select one of the following:

ENGL 311 (4) Environmental Writing

GEOG 311 (3) Geographic Research & Writing

Select one of the following:

COMM 480 (4) when taught as Communication and Environment

EMP 309B (3) Environmental Communication

Development

Select one of the following:

ANTH 316 (4) Anthropology & Development

ANTH 317/WS 317 (4) Women & Development

ECON 309 (3) Economics of Sustainable Society

PSCI 364 (4) Technology & Development

Capstone

ENST 490 (4) Environmental Studies Capstone Experience

Core Competence (6-12 units or Language Proficiency – see “C” below)

Complete requirements in one of the following four areas:

A. Ecology and Conservation Science:

- BOT 105 (4) General Botany, **or**
- WLDF 210 (3) Intro to Wildlife Conservation, **or**
- ZOOL 110 (4) Introductory Zoology
- BIOL 330 (4) Ecology [BIOL 105 & CHEM 107 or 109 required], **or**
- WLDF 301 (3) Principles of Wildlife Mgmt. [Math 115 or equivalent required]
- WLDF 460 (3) Conservation Biology

B. Geospatial Analysis

NOTE: *GSP 101/GSP 101L, major options, are required as prerequisites.*

- GSP 216 (3) Introduction to Remote Sensing
- GSP 270 (3) Introduction to GIS
- GSP 316 (4) Cartography

C. Second Language Proficiency

Demonstrate proficiency equivalent to a fifth semester or higher of college-level language. Meet this requirement by taking a fifth-semester-level language course. This requirement can also be met by examination. Contact the Department of World Languages and Cultures for additional instructions.

D. Quantitative Analysis

NOTE: *Math code 50 or MATH 115 required as prerequisite.*

- STAT 333 (4) Linear Regression Models/ANOVA

Select two of the following:

- PSYC 488 (4) Regression/Multivariate Topics
- STAT 404 (4) Multivariate Statistics
- STAT 406 (4) Sampling Design & Analysis
- STAT 409 (4) Experimental Design & Analysis
- STAT 410 (4) Modern Statistical Modeling



ENVIRONMENTAL SYSTEMS

Master of Science degree in Environmental Systems –

with options in Energy, Technology & Policy; Environmental Resources Engineering; Geology; and Mathematical Modeling

This program is administered by the coordinator of the environmental systems graduate program of the College of Natural Resources and Sciences.

Coordinator

Chris Dugaw, Ph.D.
Department of Mathematics
Behavioral & Social Sciences 354
707-826-4251

Graduate Secretary

College of Natural Resources & Sciences
Forestry 101
707-826-3256

The Program

Students completing this program will have demonstrated:

- the ability to read the current literature in their area with understanding and insight
- the ability to apply that current research to the solution of environmental and resource management problems in their area of interest
- the ability to successfully work as a team member on the solution of environmental and resource management problems
- the ability to clearly articulate an understanding of and solutions to environmental and resource management problems
- the ability to define and conceptualize an environmental problem, develop an appropriate approach to its solution, successfully complete the project, and clearly communicate the results.

The **Energy, Technology, and Policy Option** 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 possibilities: energy engineer, energy policy analyst, environmental projects manager, international development worker.

The **Environmental Resources Engineering Option** focuses on systems analysis and numerical methods for advanced studies.

Career possibilities: environmental engineer, water quality engineer, energy engineer, water resources engineer.

The **Geology Option**, during its first year, gives a quantitative and qualitative background for research in applied geology. Students usually spend their summers on thesis research. The second year is devoted to research, data analysis, and writing the thesis.

Career possibilities: field geologist, engineering geologist, exploration geophysicist, hydrologist, and marine geologist.

The **Mathematical Modeling Option** offers a range of mathematical techniques and applications. Students spend their second year on specific topics involving advanced modeling techniques in solving an environmental problem.

Career possibilities: mathematical modeler, systems analyst, resources analyst, and teacher.

Preparation

- Earn an approved bachelor's degree for the selected option.
- Satisfy general admission requirements.
- Earn satisfactory test scores from the verbal and quantitative sections of the Graduate Record Examination.
- File a statement of objectives with reasons for pursuing a master's degree with a particular option.

REQUIREMENTS FOR THE DEGREE

- 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 below plus an environmental systems option. Background deficiencies may be satisfied by taking approved undergraduate courses.
- Complete the **core course requirement**:
SCI 698 [1-3] Graduate Colloquium in Environmental Systems
- Complete one of the following options: Energy, Technology, and Policy; Environmental Resources Engineering; Geology; or Mathematical Modeling.
- Write an acceptable thesis/project.

Energy, Technology, and Policy Option

- **Prerequisites.** 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 six semester units of sociology, anthropology, economics, political science, or another related social science. Students who aspire to work internationally 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.

- **Required courses.** All core requirements listed under Requirements for the Degree plus the following option requirements:

ENGR 532 [4] Energy, the Environment, and Society
ECON 550 [4] Economics of Energy & Climate Policy
STAT 630 [4] Data Collection & Analysis

- And at least one additional course from the following:

ENGR 533 Energy & Climate Change
ENGR 535 Development Technology

- **Approved upper division and graduate courses** in a coherent package of a minimum of four elective courses that bring the total to at least 30 units.

Environmental Resources Engineering Option

- **Prerequisites.** 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.
- **Required courses.** All core requirements listed under Requirements for the Degree, plus at least three graduate level

engineering courses from an approved list. In addition, students must complete approved coursework in topics related to engineering, associated sciences, economics, and policy to bring the total number of units to at least 30. Up to 6 units of thesis or project work may be applied to the degree. Note that courses taken at the 400-level for an undergraduate degree may not be repeated at the 500-level for credit towards the graduate degree.

- Approved coursework must include one course each in economics and policy. Allowable courses include those listed below or appropriate alternative non-general education upper division or graduate level courses approved by the student's academic advisor.

Approved economics courses:

- ECON 423* (3) Environmental & Natural Resources Economics
- ECON 423D (1) Env. & NR Economics - Add'l Depth
- ECON 550 (4) Economics of Energy & Climate Policy
- ECON 570 (4) Sustainable Rural Economic Development

*Must be taken concurrently with the corresponding Additional Depth course.

Approved policy courses:

- ENGR 532 (4) Energy, Environment & Society
- ENGR 545 (3) Water Resources Planning & Mgmt.
- GEOG 473 (1-4) Topics in Advanced Physical Geography

Geology Option

- Prerequisites.** Applicants should (a) have an undergraduate major in geology or a related science and (b) submit transcripts and Graduate Record Examination scores in both aptitude and geology. Applicants must have at least a year of college physics and a minimum of two semesters of calculus (three semesters desirable).

- Required courses.** All core requirements above plus option requirements:

- GEOG 550 (3) Fluvial Processes
- GEOG 551 (3) Hillslope Processes
- GEOG 553 (4) Quaternary Stratigraphy
- GEOG 554 (2) Advanced Geology Field Methods
- GEOG 555 (3) Neotectonics
- STAT 630 (4) Data Collection & Analysis

- Approved upper division and graduate courses** in a coherent package to bring the total units to 30. Electives generally will be taken within the College of Natural Resources and Sciences.

Mathematical Modeling Option

- Prerequisites.** An appropriate undergraduate degree which includes a background in the following areas: linear algebra, numerical analysis, probability and statistics, real analysis, and differential equations. Deficiencies in any area may be satisfied by taking approved undergraduate courses. Submit GRE test scores in aptitude and an advanced area.

- Required courses.** All core requirements above plus option requirements:

- MATH 521 (3) Applied Stochastic Processes
- MATH 561 (4) Dynamic Systems
- MATH 562 (4) Model Fitting
- MATH 595 (3) Mathematical Modeling Practicum
- MATH 580 (1-4) Selected Topics in Math [at least 3 units]
- STAT 630 (4) Data Collection & Analysis

- Approved upper division courses and graduate courses** to bring total units to 30, producing in-depth knowledge of an area of study in environmental systems or natural resources.

- Approved coursework must include a course from outside the mathematics department to support thesis research.



ETHNIC AMERICAN LITERATURES MINOR

Minor in Ethnic American Literatures

Advisor

Christina Accomando, Ph.D.
 Founders Hall 219
 707-826-3479

The Program

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 and cultures of ethnic groups in the US through ES 105, required of all minors. Minors take another 12 units in ethnic American literature and culture, including ENGL/ES 336, American Ethnic Literature. Courses might concentrate on the literary traditions of a particular group (Native American, African American,

Asian American, or Chicano literatures) or examine multi-ethnic US 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 in approved courses in ethnic studies, Native American studies, and English:

Required:

- ES 105 (3) Introduction to US Ethnic Studies
- ES 336/ENGL 336 (4) American Ethnic Literature

Eight additional approved units in ethnic American literature and culture. Options include:

- ENGL 330 (4) American Literature [depending on topic; consult advisor]
- ENGL 465 (4) Multicultural Issues in Literature [depending on topic; consult advisor]
- ES 314 (3) Chicano Culture & Society in America
- ES 336/ENGL 336 (4) American Ethnic Literature [topics vary; may be repeated]
- NAS 301 (3) Native American Literature [topics vary; may be repeated]
- NAS 302 (3) Oral Literature & Oral Tradition

Consult with the advisor for approval of special topics courses not on this list.



ETHNIC STUDIES MINOR

Minor in Ethnic Studies

See also the Ethnic Studies Pathway within the Interdisciplinary Studies major option in *Critical Race, Gender and Sexuality Studies (CRGS)*.

CRGS Chair

Kim Berry, Ph.D.
Behavioral & Social Sciences 246

Program Director

Barbara Brinson Curiel, Ph.D.

Department of Critical Race, Gender and Sexuality Studies

Behavioral & Social Sciences 206
707-826-4329, fax 826-4320
www.humboldt.edu/crgs

The Program

Students completing this minor will have demonstrated the ability to:

- use intersectional analysis to examine social issues

- explain prominent debates in critical social theory
- articulate the relationship between social justice movements and history.

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 helps students recognize how some voices 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, Latinos/as, 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. 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, Ethnic Studies promotes human interactions for social justice in the 21st century.

Preparation

High school students should take American ethnic literature, social studies, and history.

REQUIREMENTS FOR THE MINOR

Students must take 15 units of approved courses in ethnic studies, including ES 105, Introduction to US Ethnic Studies. Six of the 15 units must be upper division. The program director must approve the program of study before completion of the first nine units.



FAMILY STUDIES MINOR

Minor in Family Studies

Department Chair

Claire Knox, Ph.D.

Department of Child Development

Harry Griffith Hall 229
707-826-3471
www.humboldt.edu/cdblog

The Program

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

Family Foundation

CD 251 (3) Children, Families & Their Communities

Growth & Development Foundation

CD 350 (3) Perspectives: Life-Span Development

Contemporary Family Dynamics

Minimum of one course from:
CD 352 (3) Parent/Child Relationships
PSYC 303 (3) Family Relations in Contemporary Society
SOC 306 (3) The Changing Family

Cultural Variations

Minimum of one course from:
CD 467 (3) Working with Culturally Diverse Families
COMM 322 (4) Intercultural Communication
AIE 335 (3) Social Cultural Considerations*

Interacting with Families

Minimum of one course from:
CD 366 (3) Exceptional Children & Their Families**

AIE 335 (3) Social Cultural Considerations*

Special Family Topics

Minimum of three units from:

CD 362 (3) Children & Stress
CD 366 (3) Exceptional Children & Their Families**
SW 431 (4) Juvenile Delinquency
SW 480 (.5-4) Special Topics
[Must be related to the family – Prior permission to count toward minor must be approved]

Advocacy & Public Policy

CD 479 (3) Policy Analysis & Advocacy
[Completion of other courses in minor required]



* AIE 335 may be used for Cultural Variations or Interacting with Families topics section, but not both.

** CD 366 may be used for Interacting with Families or Special Family topics section, but not both.

FILM

Bachelor of Arts degree with a major in Film

Minor in Film

See also sections in the catalog on *Dance, Dance Studies, and Theatre Arts.*

Department Chair

Margaret Kelso, MFA

Department of Theatre, Film & Dance

Theatre Arts Building 20

707-826-3566

www.humboldt.edu/theatrefilmanddance

The Program

Students completing this program will have demonstrated:

- fundamental aesthetically-driven technical skills essential to 16mm filmmaking and for 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 analysis of film studies around the world through effective writing
- synthesis of knowledge and skills through the creation and completion of short films.

Steeped within the traditions of independent filmmaking, students learn the fundamentals of fiction and non-fiction film production techniques through a production-based program inspired by independent motion picture production and creative avenues through evolving digital technologies. Our curriculum integrates hands-on production work with film studies grounded in a liberal arts education that fosters ethical storytellers who artfully explore the human condition in creative ways.

With an opportunity to focus on the environment, social change, natural history and science filmmaking, students are encouraged to develop fiction, non-fiction and experimental films that will identify and reach underserved audiences that exist outside mainstream media and commercial venues. All aspects of the program stress professionalism with an emphasis on quality as well as collaborative and creative processes.

Our foundational Filmmaking I-IV core classes provide students hands-on opportunities to master the fundamentals of 16mm and digi-

tal video production, develop the craft and artistry involved in a digital post-production workflow and create effective cinematic stories with strong core values. Learners have access to digital post-production studios 24/7 during the academic year.

The film major provides students with broad based academic training and hands-on professional experience for a wide range of careers in California's independent film, digital media and entertainment industries, scientific exploration and documentation, social and cultural change, and the emerging digital portal opportunities of the future, including mobile delivery. In just the last decade, digital media has changed the way audiences consume media and the way filmmakers make and deliver it. HSU Film trains students as an independent voice that is part of the change advocated by HSU's mission statement.

Specifically, film major graduates from HSU Film find jobs as cinematographers, camera assistants, associate producers, film editors, sound mixers, boom operators, grant writers, grips, gaffers, line producers, feature film producers, documentary directors, media consultants, videographers, 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 MAJOR

For a description of degree requirements to be fulfilled in addition to those listed below for the major, please see "The Bachelor's Degree" section of the catalog, pp. 58-74.

A minimum grade of C- is required for all courses in the major.

F=offered fall only; S=spring only; A=offered alternate years as funding permits

Core Curriculum [24 units]

- FILM 305 (3) Art of Film: Beginning to 1950s [F], **and**
FILM 317 (1) Art of Film Discussion: Pre 1950s [F]
FILM 306 (3) Art of Film: 1950s to the Present [S], **and**
FILM 318 (1) Art of Film Discussion: Post 1950s [S]
FILM 315 (4) Filmmaking I [FS]
FILM 375 (4) Filmmaking II [S]
FILM 415 (4) Filmmaking III [F]
FILM 475 (4) Filmmaking IV [S]

Integrated Theatre & Film Core [14 units]

- TA 104 (4) Story Through Word & Image [F]
TA 230 (4) Theatre & Film Aesthetics [S]
TA 448 (4) Critical Analysis Stage & Film [S]
TA 494 (2) Senior Seminar [F]

Art Requirement [3 units]

One of the following:

- ART 104B-N (3) Topics in Art History
ART 250 (3) Beginning Darkroom Photography
ART 251 (3) Beginning Digital Photography

Film Electives [8 units]

Select one course from each group for a total of two electives.

One of the following:

- FILM 350 (4) Writing for Film [FA]
FILM 455 (4) Grant Writing [FA], **or**
FILM 455S (4) Grant Writing [FA]
FILM 465 (4) Film Seminar [FA]
FILM 477 (1-4) Film/Digital Production Workshop [FSA]

One of the following:

- FILM 360 (4) Science, Environment & Natural History Digital Production [SA]
FILM 362 (4) Social Change Digital Production [SA]
FILM 425 (4) Film Directing & Production Processes [SA]

REQUIREMENTS FOR THE MINOR

Advisors

Ann Alter
707-826-5495
Ann.Alter@humboldt.edu

David Scheerer
707-826-4602
David.Scheerer@humboldt.edu

Course Requirements [20 units]

FILM 315 (4) Filmmaking I [FS]
FILM 375 (4) Filmmaking II [S]

Two of the following [8 units]:

FILM 305 (3) Art of Film: Beginning to
1950s [F], **and**
FILM 317 (1) Art of Film Discussion:
Pre 1950s [F], **or**

FILM 306 (3) Art of Film: 1950s to the
Present [S], **and**
FILM 318 (1) Art of Film Discussion:
Post 1950s [S], **or**
FILM 465 (4) Film Seminar [FA]
One of the following [4 units]:
FILM 360 (4) Science, Environment &
Natural History Digital
Production [SA]
FILM 362 (4) Social Change Digital
Production [SA]



FIRE ECOLOGY MINOR

Minor in Fire Ecology

Department Chair

K. O. Fulgham, Ph.D.

Department of Forestry & Wildland

Resources

Forestry Building 205
707-826-3935
www.humboldt.edu/fwr

The Program

Required courses:

FOR 130 (3) Dendrology, **or**
an approved course in
Plant Taxonomy
FOR 131 (3) Forest Ecology, **or**
an approved course in
Ecology
FOR 321 (3) Fire Ecology
FOR 323 (3) Wildland Fire Behavior
FOR 423 (3) Wildland Fuels
Management



FISHERIES BIOLOGY

Bachelor of Science degree with a major in Fisheries Biology —

with the following options:

Freshwater Fisheries

Marine Fisheries

Minor in Fisheries Biology

See *Natural Resources* for details on the Master of Science degree.

Department Chair

David Hankin, Ph.D.

Department of Fisheries Biology

Fisheries & Wildlife Building 220

707-826-3953

www.humboldt.edu/fisheries

The Program

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.

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 HSU, 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 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 MAJOR

For a description of degree requirements to be fulfilled in addition to those listed below for the major, please see "The Bachelor's Degree" section of the catalog, pp. 58-74, and "The Master's Degree" section of the catalog, pp. 75-76.

Shared Requirements for Freshwater Fisheries and Marine Fisheries Options

Lower Division

BIOL 105	(4)	Principles of Biology
CHEM 107	(4)	Fundamentals of Chemistry
CHEM 328	(4)	Brief Organic Chemistry
FISH 260	(3)	Fish Conservation & Mgmt.
MATH 105	(3)	Calculus for the Biological Sciences & Natural Resources
STAT 109	(4)	Introductory Biostatistics
ZOOL 110	(4)	Introductory Zoology
FISH 220	(3)	Water Resources & Conservation [Freshwater Fisheries], or
OCN 109	(4)	General Oceanography [Marine Fisheries]

Upper Division

BIOL 330	(4)	Principles of Ecology
FISH 310	(4)	Ichthyology
FISH 314	(3)	Fishery Science Communication
FISH 380	(3)	Techniques in Fishery Biology
FISH 460	(3)	Adv. Fish Conservation & Management
FISH 474	(4)	Conservation Genetics of Fish and Wildlife

One quantitative course from:

FISH 458/FISH 558	(4)	Fish Population Dynamics
STAT 333	(4)	Linear Regression Models/ANOVA
STAT 406	(4)	Sampling Design & Analysis
STAT 409	(4)	Experimental Design and Analysis
STAT 404/STAT 504	(4)	Multivariate Statistics

or an approved upper division quantitative course

Additional Upper Division Requirements: Freshwater Fisheries Option

FISH 320/FISH 320L	(3/1)	Limnology
FISH 370/FISH 370L	(3/1)	Aquaculture
FISH 434	(4)	Biology of Pacific Salmon
FISH 476	(3)	Ecology of Running Waters

Approved Electives* (9 units required; General Education classes may not be used as approved electives). Include **at least two** from the following:

- FISH 335 (3) US & World Fisheries
- FISH 375 (3) Mariculture
- FISH 435 (4) Biology of Marine Fishes
- FISH 471 (3) Fish Diseases
- FISH 410/FISH 510 (3) Topics in
Advanced Ichthyology
- FISH 571 (3) Advanced Fish Disease &
Pathology
- FISH 458/FISH 558 (4) Fish Population
Dynamics

One other course approved by your advisor.

Additional Upper Division Requirements:

Marine Fisheries Option

- FISH 335 (3) US & World Fisheries
- FISH 375 (3) Mariculture
- FISH 435 (4) Biology of Marine Fishes
- ZOOL 314 (5) Invertebrate Zoology

Approved Electives* (9 units required, General Education classes may not be used as approved electives). Include **at least two** from the following:

- FISH 370 (3) Aquaculture
- FISH 410/FISH 510 (3) Topics in
Advanced Ichthyology
- FISH 434 (4) Biology of Pacific Salmon
- FISH 471 (3) Fish Diseases
- FISH 458/FISH 558 (4) Fish Population
Dynamics
- FISH 571 (3) Advanced Fish Disease &
Pathology

One other course approved by your advisor.

REQUIREMENTS FOR THE MINOR

15 units:

- FISH 260 (3) Fish Conservation & Mgmt.
- FISH 310 (4) Ichthyology

Plus one of the following pathways:

- FISH 320/FISH 320L (3/1)
Limnology/Practicum
- FISH 434 (4) Biology of Pacific
Salmon
- or**
- OCN 109 (4) General Oceanography
- FISH 435 (4) Biology of Marine
Fishes



* Alternative sets of approved electives may be approved under exceptional circumstances. Discuss with your advisor.

FORESTRY

Bachelor of Science degree with a major in Forestry — options available in Forest Hydrology, Forest Operations, Forest Resource Conservation, Forest Soils, and Wildland Fire Management

Minor in Fire Ecology

Minor in Forestry

Minor in Watershed Management

See *Natural Resources* for details on the *Master of Science degree*.

Department Chair

K. O. Fulgham, Ph.D.

Department of Forestry and Wildland Resources

Forestry Building 205
707-826-3935
www.humboldt.edu/fwr

The Program

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.

Humboldt State University 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 State 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 conservation, and research and education.

Visit our webpage at www.humboldt.edu/fwr.

Preparation

In high school, take a broad background. Biological/physical sciences, mathematics, social sciences, and the arts are helpful.

REQUIREMENTS FOR THE MAJOR

For a description of degree requirements to be fulfilled in addition to those listed below for the major, please see "The Bachelor's Degree" section of the catalog, pp. 58-74, and "The Master's Degree" section of the catalog, pp. 75-76.

Lower Division Core

- At least one course in a basic biological science that meets general education requirements and is comparable to BOT 105 (4 units) or BIOL 105 (4 units);
- At least one course in a basic physical science that meets general education requirements and is comparable to CHEM 107 (4 units);
- One course in calculus which includes integration, meets general education requirements, and is comparable to MATH 105 (3 units);
- Plus the following:
 - EMP 105 (3) Natural Resource Conservation
 - FOR 130 (3) Dendrology
 - FOR 131 (3) Forest Ecology
 - FOR 210 (4) Forest Measurements
 - FOR 222 (3) Forest Health and Protection
 - FOR 223 (2) Intro to Wildland Fire
 - FOR 250 (3) Intro to Forest Operations
 - GSP 101/GSP 101L (2/1) Geospatial Concepts and Lab
 - GSP 216 (3) Intro to Remote Sensing
 - GSP 270 (3) Introduction to GIS
 - SOIL 260 (3) Intro to Soil Science

Take all lower division courses before beginning upper division work.

Upper Division Core

- EMP 305/ENVS 305 (3) Environmental Conflict Resolution
- FOR 311 (4) Forest Mensuration & Growth
- FOR 331 (3) Silvics — Foundation of Silviculture
- FOR 365 (4) Forest Financial Administration
- FOR 432 (4) Silviculture
- FOR 471 (3) Forest Administration & Ethics
- FOR 479 (3) Forestry Capstone
- WSHD 310 (4) Hydrology & Watershed Management

Plus one of the following:

- FISH 300 (3) Intro to Fishery Biology
- GEOL 306 (3) General Geomorphology
- RRS 306 (3) Wildland Resource Principles
- WLDF 300 (3) Wildlife Ecology & Mgmt.

Option 1 Forest Hydrology

Lower Division

GEOL 108 (3) The Dynamic Earth
MATH 205 (3) Multivariate Calculus for
the Biological Sciences &
Natural Resources

PHYX 106 (4) College Physics:
Mechanics & Heat, **or**
PHYX 109 (4) General Physics I:
Mechanics

Upper Division

SOIL 467 (3) Soil Physics
WSHD 333 (3) Wildland Water Quality, **or**
WSHD 424 (3) Watershed Hydrology

This program meets the qualifications for
"Forester" and for "Hydrologist" in federal
employment.

Option 2 Forest Operations

FOR 285 (1) Department Seminar
FOR 350 (3) Forest Harvesting Systems
FOR 353 (3) Forest Road Location &
Design
FOR 450 (3) Harvesting Systems
Design & Cost Analysis
FOR 475 (3) Forest Management
Decision Making

Plus one of the following:

FOR 423 (3) Wildland Fuels
Management
FOR 431 (3) Forest Restoration
WSHD 458 (3) Climate Change & Land Use

This program meets the qualifications for
"Forester" in federal employment.

Option 3 Forest Resource Conservation

FOR 285 (1) Department Seminar
FOR 321 (3) Fire Ecology
FOR 430 (3) Forest Ecosystems
FOR 475 (3) Forest Management
Decision Making

Plus two of the following:

FOR 374 (3) Wilderness Area
Management
FOR 431 (3) Forest Restoration
GSP 370 (3) Intermediate Geographic
Information Science (GIS)
RRS 370 (3) Wildland Ecology Principles
SOIL 468 (3) Intro to Agroforestry
WHSD 458 (3) Climate Change & Land
Use

This program meets the qualifications for
"Forester" in federal employment.

Option 4 Forest Soils

FOR 285 (1) Department Seminar
GEOL 108 (3) The Dynamic Earth
SOIL 360 (3) Origin & Classification of
Soils
SOIL 460 (3) Forest & Range Soils
Mgmt.

Plus two of the following:

SOIL 363 (3) Wetland Soils
SOIL 462 (3) Soil Fertility
SOIL 465 (3) Soil Microbiology
SOIL 467 (3) Soil Physics

This program meets the qualifications
for "Forester," "Soil Scientist," and "Soil
Conservationist" in federal employment.

Option 5 Wildland Fire Management

FOR 285 (1) Department Seminar
FOR 321 (3) Fire Ecology
FOR 323 (3) Wildland Fire Behavior
FOR 423 (3) Wildland Fuels
Management

Plus two of the following:

FOR 422 (3) Wildland Fire Use
FOR 431 (3) Forest Restoration
FOR 475 (3) Forest Management
Decision Making
GSP 370 (3) Intermediate Geographic
Information Science (GIS)
RRS 370 (3) Wildland Ecology Principles
WHSD 458 (3) Climate Change & Land
Use

This program meets the qualifications for
"Forester" in federal employment.

REQUIREMENTS FOR THE FIRE ECOLOGY MINOR

See Fire Ecology.

REQUIREMENTS FOR THE FORESTRY MINOR

Required courses:

FOR 130 (3) Dendrology
FOR 131 (3) Forest Ecology
FOR 210 (4) Forest Measurements
FOR 315 (3) Forest Management

Plus one of the following four courses:

FOR 321 (3) Fire Ecology
FOR 374 (3) Wilderness Area Mgmt.
FOR 302 (3) Forest Ecosystems &
People
FOR 431 (3) Forest Restoration

REQUIREMENTS FOR THE WATERSHED MANAGEMENT MINOR

See Watershed Management.



FRENCH & FRANCOPHONE STUDIES

Bachelor of Arts degree with a major in French & Francophone Studies

Minor in French & Francophone Studies

Department Chair

Rosamel Benavides-Garb, Ph.D.

Program Director

Joseph Diémé, Ph.D.

Department of World Languages & Cultures

Behavioral & Social Sciences 206
707-826-3226, fax 826-4320
www.humboldt.edu/wlc

The Program

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.

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 are integral to the program on the HSU 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.

Career possibilities: 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.

Preparation

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 MAJOR

For a description of degree requirements to be fulfilled in addition to those listed below for the major, please see "The Bachelor's Degree" section of the catalog, pp. 58-74.

NOTE: All courses are taught in the target language except as noted.

Minimum of 42 units, including the Core Courses, Electives, and Study Abroad. Courses designated R may be repeated for the major:

Lower Division Core (8 units)

- FREN 107 (4) French Level III
FREN 207 (4) French IV & Intro to Francophone Studies

Upper Division Core (16-20 units)

- FREN 310 (2-4) Nouvelles en français: Variable Topics
FREN 311 (4) French V & Stories from the Francophone World
FREN 312 (4) French VI and (R)evolution in Modern French Lit - R
FREN 314 (4) Cultural Hist Topics in Early French Masterpieces - R
FREN 340 (2-4) Topics in Francophone Culture - R

Major Elective Courses (14-18 units)

For the completion of the minimum 42-unit major:

- FREN 280 (2-3) French Conversation & Retreat - R
FREN 300* (3-4) African Storytelling
FREN 306*/GERM, SPAN, WS 306* (3) Sex, Class & Culture: Gender & Ethnic Issues in International Short Stories
FREN 341* (2) Current Event Topics in the Francophone World - R
FREN 370 (1) French Weekend Retreat
FREN 390* (1-2) Topics in Cinema of the Francophone World - R
FREN 420 (1-3) French Peer Tutoring
FREN 480 (1-4) Special Topics
FREN 492 (3) Senior Honors Thesis or Project
FREN 499 (1-4) Directed Study

* Course taught in English for the wider university audience.

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. Program must be selected in consultation with and approved by the major advisor.

Residency abroad must be completed no later than the end of the summer of the junior year. Residency abroad may not occur during a student's last semester. Students are expected to complete their final semester in residence at Humboldt State University.

Students may also study abroad for one summer semester, a regular semester, or one academic year with such programs as the HSU faculty-led programs, the HSU 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 HSU Center for International Programs.

Students are encouraged to efficiently plan the academic residency abroad requirement to complete, when possible, university general educational requirements too. Under exceptional circumstances the residency abroad requirement can be waived by the major advisor.

REQUIREMENTS FOR THE MINOR IN FRENCH AND FRANCOPHONE STUDIES

The minor emphasizes French language proficiency as well as Francophone cultural studies appropriate to the individual student's academic and career objectives.

Twenty units including:

- FREN 107 (4) French Level III
- FREN 207 (4) French IV & Intro to Francophone Studies
- FREN 311 (4) French V & Stories from the Francophone World
- FREN 312 (4) French VI and (R)evolution in Modern French Literature

Plus 4 units of additional upper-division French & Francophone Studies coursework listed in the major above, selected with the approval of the minor advisor.



GEOGRAPHY

Bachelor of Arts degree with a major in Geography

Minor in Geography

Department Chair

Rosemary Sherriff, Ph.D.

Department of Geography

Founders Hall 109

707-826-3946

www.humboldt.edu/geography

The Program

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 geo-graphics
- develop and apply information literacy
- understand causes and implications of spatial interactions and movement patterns
- demonstrate skills and competencies of geographic traditions
- analyze, synthesize, and interpret spatial information
- apply geographic thinking in real-world context
- analyze and/or appraise real-world societal issues.

We offer a quality undergraduate program incorporating a wide range of courses in human and physical geography and cartography. The department upholds a strong tradition of field study, such as annual expeditions to the Tibet Plateau, the Grand Canyon, the Sierra Nevada, and other Western venues as well as linkages to overseas programs in China, Europe, and Latin America. Geography also sponsors an annual delegation to the West Coast Model Arab League.

Research and teaching facilities include a 15-station laboratory dedicated to mapping and design. Cartographic and visualization skills are incorporated throughout the geography curriculum.

The department is a center for geographic education in California. It is the headquarters of the California Geographic Alliance, which specializes in geography outreach for teachers, students, and the general public. The department also houses the California Geographic Bee.

Opportunities abound for students to participate in geographic education outreach efforts through internships and other activities. Geography has a strong record of placing students in prestigious internships

with organizations such as the National Geographic Society, the National Park Service, the California Coastal Commission, and local planning agencies.

Our graduates find employment in a number of fields, including teaching, environmental and city planning, international development, foreign affairs, and cartography. Many go on to pursue graduate degrees in geography or related fields.

Preparation

In high school take history, government, mathematics, science, and a foreign language.

REQUIREMENTS FOR THE MAJOR

For a description of degree requirements to be fulfilled in addition to those listed below for the major, please see "The Bachelor's Degree" section of the catalog, pp. 58-74.

Students must earn a minimum grade of C- in all required courses for the major.

Students must take a minimum of two upper division depth experience courses (designated as "M").

Lower Division

- GEOG 105 (3) Cultural Geography
- GEOG 106 (3) Physical Geography
- GEOG 106L (1) Physical Geography Lab
- GSP 101 (2) Geospatial Concepts
- GSP 101L (1) Geospatial Concepts Lab

Upper Division

Foundation course:

- GEOG 311 (3) Geographic Research & Writing
- GEOG 311L (1) Geographic Research Lab

Two **human/cultural** courses from:

- GEOG 300 (3) Global Awareness
- GEOG 304 (3) Migrations & Mosaics
- GEOG 360 (3) Geography of the World Economy
- GEOG 365/PSCI 365 (4) Political Ecology
- GEOG 470 (3) Topics in Geography for Teachers
- GEOG 471 (1-4) Topics in Systematic Geography

Two **physical/environmental** courses from:

- GEOG 301/ENVS 301 (3) International Environmental Issues & Globalization
- GEOG 352 (3) Regional Climatology
- GEOG 353 (3) Mountain Geography
- GEOG 473 (1-4) Topics in Advanced Physical Geography

One **techniques** course from:

- GSP 270 (3) Introduction to GIS
- GSP 316 (4) Cartography
- GSP 370 (3) Intermediate GIS
- GSP 416 (4) Advanced Cartography Design Seminar

One **regional** course from:

- GEOG 322 (3) California
- GEOG 332 (3) Geography of the Mediterranean
- GEOG 335 (3) Geography of the Middle East
- GEOG 472 (1-4) Topics in Regional Geography

Two **depth experience (D. E.)** courses

(taken as corequisites for above courses):

- GEOG 304M (1) Migrations & Mosaics D. E.
- GEOG 322M (1) California D. E.
- GEOG 335M (1) Geography of the Middle East D. E.
- GEOG 352M (1) Regional Climatology D. E.
- GEOG 353M (1) Mountain Geography D. E.
- GEOG 471M (1) Topics in Systematic Geography D. E.
- GEOG 472M (1) Topics in Regional Geography D. E.
- GEOG 473M (1) Topics in Physical Geography D. E.

Senior capstone course:

- GEOG 411 (4) Senior Field Research

Completion of a related minor: determined in consultation with an advisor

REQUIREMENTS FOR THE MINOR

Students must earn a minimum grade of C- in all required courses for the minor.

- GEOG 105 (3) Cultural Geography
- GEOG 106 (3) Physical Geography

Plus three upper division electives via written contract with the department chair



GEOLOGY

Bachelor of Science degree with a major in Geology

Bachelor of Arts degree with a major in Geology

Bachelor of Arts degree with a major in Geology — Geosciences option

Minor in Geology

See *Environmental Systems* for details on the *Master of Science* degree.

Department Chair

Brandon E. Schwab, Ph.D.

Department of Geology

Founders Hall 7

707-826-3931

www.humboldt.edu/geology

The Program

The geology and geosciences programs provide students with a solid foundation in Earth system science, how the Earth and its processes affect humans, and how human activities affect the Earth.

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
- have the background to gain employment and/or admission to graduate studies in the Earth sciences.

The BS and BA degrees in geology are recommended for students who plan to seek work as professional geologists and/or enter graduate school in the geosciences. The BA degree — Geosciences option is aimed toward students who are interested in careers or pursuing graduate work in environmental science, hazard/resource management and planning, environmental policy, and teaching.

Humboldt's setting provides a natural laboratory to study earthquakes, tsunamis, landsliding, river processes and rapid coastal erosion. The area 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. Our program has many opportunities for independent research and field work. At Humboldt, you will also be able to use research tools including petrographic microscopes, X-ray diffractometer and X-ray fluorescence instruments, a high-pressure/temperature experimental petrology lab, 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.

Preparation

In high school take mathematics, chemistry, physics, biology and any environmental studies that may be 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 MAJORS

For a description of degree requirements to be fulfilled in addition to those listed below for the major, please see "The Bachelor's Degree" section of the catalog, pp. 58-74, and "The Master's Degree" section of the catalog, pp. 75-76.

Geology Core Courses

Lower Division Core

GEOLOGY 109 (4) General Geology
GEOLOGY 235 (1) Geology Field Methods I

Upper Division Core

GEOLOGY 306 (3) General Geomorphology
GEOLOGY 312 (4) Earth Materials
GEOLOGY 332 (4) Sedimentary Geology
GEOLOGY 334 (4) Structural Geology
GEOLOGY 335 (1) Geology Field Methods II
GEOLOGY 485 (1) Seminar

BA and BS in Geology

Geology Core, plus:

Lower Division

CHEM 109 (5) General Chemistry I
CHEM 110 (5) General Chemistry II
MATH 109 (4) Calculus I
MATH 110 (4) Calculus II

One of the following two series:

- PHYX 106 (4) College Physics:
Mechanics & Heat
- PHYX 107 (4) College Physics:
Electromagnetism
& Modern Physics

OR

- PHYX 109 (4) General Physics I:
Mechanics
- PHYX 110 (4) General Physics II:
Electricity, Heat

One of the following:

MATH 210 (4) Calculus III
STAT 108 (4) Elementary Statistics
STAT 109 (4) Introductory Biostatistics

Upper Division

GEOLOGY 314 (4) Optical Mineralogy-
Petrography
GEOLOGY 344 (4) Paleontology
GEOLOGY 435 (1) Geology Field Methods III
GEOLOGY 475 (4) Geology Field Camp
GEOLOGY 490 (1), GEOLOGY 491 (1), GEOLOGY 492 (2)
Senior Thesis
[BS degree only]

NOTE: The Senior Thesis requirement is what distinguishes the BS degree from the BA degree.

Five units (BA degree) or six units (BS degree) of approved upper division geology areas of specialization, including at least one of the following:

GEOLOGY 457 (3) Engineering Geology
GEOLOGY 460 (3) Solid Earth Geophysics
GEOLOGY 482 (1-3) Instrumental Methods
in Geology
GEOLOGY 531 (1-3) Advanced Physical Geology
GEOLOGY 550 (3) Fluvial Processes
GEOLOGY 551 (3) Hillslope Processes
GEOLOGY 553 (4) Quaternary Stratigraphy
GEOLOGY 554 (2) Advanced Geology Field
Methods
GEOLOGY 555 (3) Neotectonics
GEOLOGY 558 (3) Geomorphology of Soils
GEOLOGY 561 (3) Applied Geophysics

BA Geology – Geosciences Option

Geology Core, plus:

Lower Division

GEOL 110 (1-2) Field Geology - Western US
GSP 270 (3) Introduction to GIS
CHEM 107 (4) Fundamentals of Chemistry
MATH 105 (3) Calculus for the Biological
Sciences & NR
PHYX 106 (4) College Physics:
Mechanics & Heat

One of the following:

BIOL 105 (4) Principles of Biology
BOT 105 (4) General Botany
ZOO 110 (4) Introductory Zoology

One of the following:

STAT 108 (4) Elementary Statistics
STAT 109 (4) Introductory Biostatistics

One of the following:

OCN 109 (4) General Oceanography
WSHD 310 (4) Hydrology & Watershed
Management

Upper Division

GEOL 300 (3) Geology of California
GEOL 303 (3) Earth Resources & Global
Environmental Change
GEOL 308 (3) Natural Disasters
GEOL 308L (1) Natural Disasters Lab
(option in place of 1 unit
of GEOL 700)
GEOL 455 (1) Geology Colloquium
GEOL 465 (2) Geosciences Senior
Project
GEOL 700 (2) In-Service Professional
Development (2 units or
1 unit & GEOL 308L)

One of the following:

GEOG 352 (3) Regional Climatology
CHEM 370 (3) Earth System Chemistry

One of the following:

GEOL 305 (3) Fossils, Life & Evolution
GEOL 344 (4) Paleontology

REQUIREMENTS FOR THE MINOR

GEOL 109 (4) General Geology
GEOL 306 (3) General Geomorphology

One of the following:

GEOL 110 (1-2) Field Geology - Western US
GEOL 235 (1) Geology Field Methods I

At least one of the following four courses:

GEOL 300 (3) Geology of California
GEOL 303 (3) Earth Resources & Global
Environmental Change
GEOL 305 (3) Fossils, Life & Evolution
GEOL 308 (3) Natural Disasters

One of the following:

GEOL 312 (4) Earth Materials
GEOL 332 (4) Sedimentary Geology

Plus 3 units of approved upper division
GEOL coursework.



GEOSPATIAL ANALYSIS MINOR

Minor in Geospatial Analysis

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.

Advisors

Mary Beth Cunha
Founders Hall 127
707-826-4118
mbc7001@humboldt.edu

Dr. James Graham
NR 217
707-826-3823
James.Graham@humboldt.edu

Department of Environmental Science & Management

Natural Resources Building 200
707-826-4147
www.humboldt.edu/environment

Department of Forestry and Wildland Resources

Forestry Building 205
707-826-3935
www.humboldt.edu/fwr

Department of Geography

Founders Hall 109
707-826-3946
www.humboldt.edu/geography

The Program

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

GSP 101	(2)	Geospatial Concepts
GSP 101L	(1)	Geospatial Concepts Lab
GSP 216	(3)	Introduction to Remote Sensing
GSP 270	(3)	Introduction to GIS
GSP 316	(4)	Cartography
GSP 326	(3)	Intermediate Remote Sensing, or
GSP 330	(3)	Mobile Mapping, or
GSP 370	(3)	Intermediate GIS

Additional Information on GSP Courses & Departments

Because Geospatial Analysis skills are applicable to many different fields of inquiry, GSP courses are offered by four 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 HSU organized by the departments that offer them.

Department of Computer Science:

GSP 118 Introduction to Geospatial Programming

Department of Environmental Science & Management:

GSP 270 Introduction to GIS
GSP 330 Mobile Mapping
GSP 370 Intermediate GIS
GSP 470 Advanced GIS
GSP 570 Geospatial Modeling

Department of Forestry & Wildland Resources:

GSP 216 Introduction to Remote Sensing
GSP 326 Intermediate Remote Sensing
GSP 436 Advanced Remote Sensing

Department of Geography:

GSP 101 Geospatial Concepts
GSP 101L Geospatial Concepts Lab
GSP 316 Cartography
GSP 416 Advanced Cartography
GSP 426 Cartography Practicum

Visit our webpage: www.humboldt.edu/gsp



GERMAN STUDIES MINOR

Minor in German Studies

Department Chair

Rosamel S. Benavides-Garb, Ph.D.

Program Director

Rosamel S. Benavides-Garb, Ph.D.

Department of World Languages & Cultures

Behavioral & Social Sciences 206
707-826-3226, fax 707-826-4320
www.humboldt.edu/wlc

The Program

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 coming in at a high level of language ability can dive into the advanced courses. Faculty assists students wishing to apply the language to other fields, such as art, music, business, social studies, or the natural sciences. Visits by literary critics, artists, consular officials, and guests from various parts of the German-speaking world often complement classes. Taped interviews, videos, DVDs, films, and computer software are also available.

Opportunities for enhancing classroom knowledge are offered, which may include weekend workshops, conversation groups, the German Club, film seminars, and immersion retreats. Retreats take place away from the university in a natural setting. Students have the opportunity to study abroad with the CSU International Programs in the state of Baden Württemberg. Students may also consider other opportunities to travel and study in German-speaking countries, including the bilateral semester or year-long exchange program with Martin Luther University in Halle for which students may apply for a scholarship.

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.

Preparation

Students should have a good background in English grammar and syntax. While knowledge of German is welcome, it is not required.

REQUIREMENTS FOR THE GERMAN STUDIES MINOR

22 units, including:

- GERM 107 (4) German Level III
- GERM 207 (4) German Level IV
- GERM 311 (4) German Level V [repeatable]
- GERM 312 (4) German Level VI [repeatable]

The remaining six units may be selected from any of the following courses (depending upon interests and particular emphasis of the student), with at least one course from outside of the German program.

- ART 301 (3) The Artist: German Expressionism [or equivalent course on German art]
- ART 316 (4) Topics in Early 20th Century Art [when appropriate]
- ART 317 (4) Topics in Late Modern & Contemporary Art [when appropriate]
- BA 410 (4) International Business [for business majors]
- ECON 306 (3) Economics of the Developing World
- ENGL 240 (4) World Literature [when appropriate]
- GEOG 360 (3) Geography of the World Economy [when appropriate]
- GEOG 472 (1-4) Topics in Regional Geog. [when appropriate]
- GERM 305 (3) Marx, Nietzsche, Freud & German Literature
- GERM 306 (3) Sex, Class, and Culture: Gender & Ethnic Issues in Int'l Short Stories
- GERM 480 (1-4) Special Topics
- GERM 499 (1-3) Directed Study
- HIST 300 (3) The Era of World War I
- HIST 301 (3) The Era of World War II
- HIST 348 (4) Modern Germany
- PHIL 302 (3) Environmental Ethics
- PSCI 330 (4) Political Regimes & Political Change: Europe

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 faculty on a case-by-case basis.

About Electives

The department encourages students to combine the study of German with their other academic interests. Therefore, students may use relevant courses from other disciplines as elective credit toward the minor in German Studies. For example: art history [German art topics], geography [on Western Europe], history and political science [where German issues are a major part], and philosophy [German philosophers]. Consult with the German advisor about these electives.



HISTORY

Bachelor of Arts degree with a major in History

Minor in History

Department Chair

Benjamin Marschke, Ph.D.

Department of History

Founders Hall 180

707-826-3641

www.humboldt.edu/history

The Program

Students completing this program will have demonstrated:

- critical thinking skills, to analyze sources, to form a thesis and argument, and to evaluate historical events and phenomena
- research skills, to use primary and secondary sources, to locate information and documents, and to cite sources
- writing competence, to write mechanically correctly, to cite sources, and to present a thesis and argument
- oral presentation skills, to speak in a group, to speak in public, and to present a thesis and argument
- competence in historiography and historical methodology, to understand changes over time in the discipline of history, different schools of analysis, debates between historians, and different historical methods and their applicability.

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, 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.

Preparation

In high school take history, English, geography, government, and foreign languages.

REQUIREMENTS FOR THE MAJOR

For a description of degree requirements to be fulfilled in addition to those listed below for the major, please see "The Bachelor's Degree" section of the catalog, pp. 58-74.

History majors must receive a C- or better in their major courses to pass.

Lower Division

- HIST 110 (3) U.S. History to 1877
HIST 111 (3) U.S. History from 1877
HIST 210 (4) Historical Methods

Two from the following:

- HIST 104 (3) Western Civilization to 1650
HIST 105 (3) Western Civilization, 1650 to Present
HIST 107 (3) East Asian History to 1644
HIST 108 (3) East Asian Civilization Since 1644
HIST 109 (3) Colonial Latin American History
HIST 109B (3) Modern Latin America

Upper Division Areas

- Take at least four units from each of the three areas below.
- Must have a minimum of 24 units in areas.
- Special topics courses (HIST 391, HIST 392, HIST 393) may be used in the appropriate areas.
- See an advisor concerning HIST 311 and HIST 312.

European History Area

- HIST 300 (3) Era of WWI (take for 4 units)
HIST 301 (3) Era of WWII (take for 4 units)
HIST 314 (4) Ancient Greek Civilization & History
HIST 315 (4) History & Civilization of Rome
HIST 322 (4) The Age of Knights & Monks
HIST 342 (4) Musketeers, Witches, and Kings
HIST 343 (4) French Revolution & Napoleon
HIST 345 (4) Imperialism
HIST 348 (4) Modern Germany
HIST 349 (4) Renaissance & Reformation
HIST 350 (4) History of the Soviet Union
HIST 353 (4) Modern Britain
HIST 392 (1-4) Special Topics in European History

US History Area

- HIST 305 (4) The American West, 1763-1900 (take for 4 units)
HIST 368 (4) Colonial & Revolutionary America
HIST 369 (4) The Age of Jefferson & Jackson
HIST 371 (4) Civil War & Reconstruction
HIST 372 (4) Rise of Modern America, 1877-1929
HIST 374 (4) Contemporary America, 1929 to the Present
HIST 375A (4) US Foreign Relations, 1789-1943
HIST 375B (4) US Foreign Relations, 1943-Present
HIST 383 (4) California History
HIST 391 (1-4) Special Topics & Interdisciplinary Studies in History

World Regions History Area

- HIST 326 (4) History of Mexico
HIST 327 (4) History of Brazil
HIST 329 (4) Imperial China
HIST 338 (4) Modern Chinese History
HIST 339 (4) Modern Japanese History
HIST 377 (4) Vietnam Wars
HIST 393 (1-4) Special Topics in Non-Western History

Capstone Courses

- HIST 490 (4) Senior Seminar
HIST 493 (1) Portfolio Assessment for History Majors

REQUIREMENTS FOR THE MINOR

History minors must receive a C- or better in their minor courses to pass.

- HIST 110 (3) U.S. History to 1877
HIST 111 (3) U.S. History from 1877
HIST 210 (4) Historical Methods

Two courses from the following:

- HIST 104 (3) Western Civilization to 1650
HIST 105 (3) Western Civilization, 1650 to Present
HIST 107 (3) East Asian History to 1644
HIST 108 (3) East Asian Civilization Since 1644
HIST 109 (3) Colonial Latin American History
HIST 109B (3) Modern Latin America

Plus eight units of upper division history electives.

History/SSSE Major Track

The Program

The History/SSSE major prepares students to enter the fifth credential year for Single Subject Secondary Education (SSSE) programs. This major offers students a single-subject major in History while simultaneously preparing them with essential coursework in Economics, Geography, Politics, and Sociology that they need for teaching in Social Science in California. This coursework comprises the History Department's waiver major, which waives the requirement to take and pass the California Subject Examination for Teachers (CSET).

Requirements for the History/SSSE Major Track

Majors must receive a C- or better in their major courses to pass.

Core Courses

- HIST 108 (3) East Asian Civilization from 1644, **or**
HIST 109B (3) Modern Latin America
HIST 110 (3) U.S. History to 1877
HIST 111 (3) U.S. History from 1877

Upper Division History Courses

U.S. Area:

- HIST 383 (4) California History (Fall only)

U.S. History Elective, **or**

- ECON 323 (3) Economic History of the U.S.

European Area:

European History Elective

World Area:

- HIST 311 (3) World History to 1750
HIST 312 (3) World History from 1750

Special Topics:

- HIST 391 (1-4) History Day

Social Science Courses

- ECON 320 (3) Development of Economic Principles
GEOG 105 (3) Cultural Geography
GEOG 322 (3) California Geography
PSCI 220 (3) Introduction to Political Theory, **or**
PSCI 410 (4) American Constitutional Law
PSCI 230 (3) Introduction to Comparative Politics
SOC 303 (3) Race and Inequality

Capstone Courses

- HIST 420 (3) Interpreting History for Teachers
HIST 423 (1) Portfolio for Teaching Majors
GEOG 470 (3) Topics in Geography for Teachers



INDIAN TRIBAL & EDUCATIONAL PERSONNEL PROGRAM AND CULTURAL RESOURCE CENTER

[academic support program]

ITEPP Coordinator

Adrienne Colegrove-Raymond

Cultural Resource Center Coordinator

Marlette Grant-Jackson

Academic Advisors

Marlette Grant-Jackson

Paula Tripp-Allen

Office Manager

Amanda Staack

ITEPP & CRC

Brero House 93

707-826-3672

www.humboldt.edu/itepp

www.humboldt.edu/itepp/crc.html

Mission and Purpose

The Indian Tribal & Educational Personnel Program (ITEPP) and the Cultural Resource Center (CRC) are the anchor programs of the Native American Center for Academic Excellence (NACAE). The ITEPP/CRC mission is to facilitate and promote academic success and self-efficacy for primarily American Indian students at Humboldt State University that validates Tribal cultural values, political status, and promotes the federal Indian policy of Indian Self-Determination.

ITEPP was established in 1969 as the Indian Teacher Education Project, the first and only program of its sort in the United States at the time. The program continues to support students in teacher preparation programs, but now also serves students across majors and disciplines including but not limited to: Native American studies, social work, psychology, kinesiology, child development, wildlife, business administration, and journalism.

The CRC was formally established in 1994 after growing informally through ITEPP over the decades. The CRC is a specialized collection committed to promoting the large body of American Indian knowledge, talent, scholarship, and research.

The Indian Tribal & Educational Personnel Program (ITEPP)

ITEPP is HSU's designated primary academic support program for American Indian students. It is a learning community dedicated to Native American student academic and professional success. ITEPP staff delivers services to Native and other HSU students within a Native-centered framework. The ITEPP Club fosters student leadership, relationships across campus, and is an avenue for experiential learning. The ITEPP advisors provide academic advising, mentoring, and outreach tailored for the needs of each ITEPPer. The program staff sustains a strong network of students, graduates, and professionals to mentor ITEPP students through in all phases of academic, social, and professional success.

Cultural Resources Center (CRC)

The CRC is a multimedia collection on, about, or authored by Native American peoples. This public-lending library is devoted to expanding the awareness of the state of Indian Country, Tribal communities, and American Indian peoples. The CRC raises this awareness by offering over 6,500 print, film, and audio resources focused on the breadth of Native social, political, cultural, and geographic experiences and truths. Its catalogue is searchable online through Library World. HSU students and faculty utilize the CRC to enhance their research, course delivery and publications. The nature of the CRC reflects the pedagogy, philosophies and formal constructs of Native knowledge and contributes to a positive academic experience for HSU Native students.



INTERNATIONAL STUDIES

[INTERDISCIPLINARY STUDIES]

**Bachelor of Arts degree
with an Interdisciplinary Studies
major** — Option in International Studies

International Studies Program
Behavioral & Social Sciences 206
707-826-3226; fax 707-826-4320
www.humboldt.edu/internationalstudies

The Program

Students completing this program 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
- the ability to present themselves professionally in preparation for an international career.

This is a unique program with four distinct components: core curriculum, a concentration, language proficiency, and residency abroad. It provides a flexible and balanced combination between classroom instruction and direct contact with the regions and cultures of interest.

The program prepares students to enter the international labor force in the US or abroad, in the public or private sector, in for-profit or nonprofit organizations. This program also provides a basic foundation for further graduate work and scholarship in the international field.

REQUIREMENTS FOR THE INTERNATIONAL STUDIES OPTION

For a description of degree requirements to be fulfilled in addition to those listed below for the major, please see "The Bachelor's Degree" section of the catalog, pp. 58-74.

All courses required for the major must achieve a minimum grade of C-, or local equivalent while abroad.

Core Courses: 7 courses [21-22 units]

1. INTL 210 (3) Introduction to International Studies

2. INTL 220 (3) Introduction to Cultural Studies
3. PSCI 240 (3) Introduction to International Relations
4. ECON 305 (3) International Economics & Globalization** , **or**
ECON 306 (3) Economics of the Developing World**
5. Methodology (Take 1)
ANTH 318 (4) Ethnography [Prereq: ANTH 104]
CRGS 390 (4) Theory & Methods** [Prereq: ES 105 or WS 106 or WS 107 or CRGS 108]
GEOG 311 (3) Geographic Research & Writing
HIST 210 (4) Historical Methods
PSCI 295 (4) Political Research & Analysis
6. INTL 410 (3) Global Issues Analysis
7. INTL 490 (3) International Studies Capstone

Concentrations: 5 courses + minimum of 15 units

Choose one:

- Chinese Studies
- European Studies
- Global Cultural Studies
- Latin American Studies
- Third World Development Studies

Second Language

Demonstrate proficiency in a target language pertinent to the concentration area, equivalent to a fifth semester or higher of college-level language. Meet this requirement by taking a fifth-semester-level language course.

This requirement can also be met by examination. Contact the Department of World Languages and Cultures for additional 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 the concentration area advisor.

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 Humboldt State University.

For some concentrations, courses taken abroad may be necessary to fulfill requirements. Concentration electives may also be completed while abroad. Both require prior instructor approval.

All students are encouraged to use their academic residency abroad efficiently by completing, where possible, language and university general education requirements.

Cost of residency abroad varies according to the program and world region. Be sure to understand the costs involved and plan ahead. Consult with the HSU Center for International Programs office.

CONCENTRATIONS

Chinese Studies

Take 4 breadth area courses and 1 special topic.

Breadth Areas [Take 4]

- | | | |
|----------|-------|--|
| ANTH 306 | (3) | World Regions Cultural Studies: China* |
| ANTH 390 | (4) | World Regions Cultural Seminar: China* |
| CHIN 109 | (3) | Intro to Chinese Studies |
| GEOG 472 | (1-4) | China's Cultural Realms |
| HIST 107 | (3) | East Asian Civilization to 1644, or |
| HIST 108 | (3) | East Asian Civilization Since 1644 |
| HIST 338 | (4) | Modern Chinese History |
| HIST 329 | (4) | Imperial China |
| PHIL 345 | (3) | Philosophies of China |
| RS 340 | (3) | Zen, Dharma & Tao |

* Course only meets requirements if specific topic is appropriate to the concentration area. Consult with an advisor.

** Courses also meet GE and/or DCG requirements.

*** It is expected that at least one of these electives will be taken as part of study abroad (with prior instructor approval).

Special Topic Research [Take 1]

- ANTH 499 (1-4) Independent Study*
[Instructor Approval]
- CHIN 480 (1-4) Undergraduate Seminar
[Often taught in overseas programs]
- GEOG 411 (4) Senior Field Research in China*
[Instructor Approval]

European Studies

For an emphasis on:

- Europe as a whole: take any five of the courses below.
- France: at least three courses must be FREN courses.
- Spain: at least three courses must be SPAN courses.
- Germany: at least three courses must focus primarily on Germany.

- ART 301-ART 317 (3-4) Topics in Art History*
- ENGL 342 (4) Special Topics in Shakespeare
- ENGL 350 (4) British Literature
- FREN 312 (4) French VI & (R)evolution in Modern French Literature
- FREN 314 (4) Cultural History Topics in Early French Masterpieces
- FREN 323 (2) Culture and Civilization in France
- FREN 480 (1-4) when taught as Enlightenment and Colonialism
[in English or French]
- GEOG 332 (4) Geography of the Mediterranean
- GERM 305 (3) Marx, Nietzsche, Freud & German Literature
- GERM 480 (1-4) Undergraduate Seminar
- HIST 300 (3) Era of World War I
- HIST 301 (3) Era of World War II
- HIST 345 (4) Imperialism
- HIST 348 (4) Modern Germany
- PHIL 355 (3) Existentialism
- PSCI 330 (4) Political Regimes & Political Change*
- SPAN 342 (4) Cervantes
- SPAN 343 (4) The Golden Age
- SPAN 349 (4) Contemporary Spanish Novel
- SPAN 401 (4) Hispanic Civilization: Spain

Special topics courses in European culture/society offered by any department may fulfill this requirement. Prior approval by the concentration advisor is mandatory.

Latin American Studies

Take 2 courses in each area, plus 1 complementary elective in any area with advisor approval.

Social Sciences [Take 2]

- ANTH 306 (3) World Regions Cultural Studies**
- ES 310 (4) US & Mexico Border**
- HIST 109 (3) Colonial Latin American History**
- HIST 109B (3) Modern Latin America**
- HIST 326 (4) History of Mexico
- SPAN 355 (1-4) Hispanic Civilization: Regional Studies
- SPAN 365S (1-4) Field Experience: Regional Studies
- SPAN 402 (4) Hispanic Civilization: Latin America

Arts & Literatures [Take 2]

- ART 104M (3) Latin American Art**
- ART 301 (3) Topics in Western Art History*
- SPAN 335 (1-4) Reading & Writing: Regional Studies
- SPAN 345 (4) Hispanic Cinema
- SPAN 346 (4) Borges & the Contemporary Spanish American Short Story
- SPAN 347 (4) The "Boom" of the Latin American Novel
- SPAN 348 (4) Contemporary Hispanic Poetry

Global Cultural Studies

Required Courses

- ANTH 306 (3) World Regions Cultural Studies
- ENGL 305 (3) Postcolonial Perspectives: Literature of the Developing World
- MUS 302 (3) Music in World Culture

Take 2 Electives [Minimum 6 units]

- ART 104K (3) Africa, Oceania, the Americas**
- ART 104M (3) Latin American Art**
- ART 104N (3) Asian Art**
- DANC 303 (3) Dance in World Cultures
- FREN 300 (3-4) African Storytelling
- FREN 326 (1-4) Culture & Civilization: Regional Studies
- FREN 340 (2-4) Topics in Francophone Culture
- SPAN 344 (4) Modern Hispanic Theater Workshop

- SPAN 345 (4) Hispanic Cinema
- SPAN 346 (4) Borges & the Contemporary Spanish American Short Story
- SPAN 347 (4) The "Boom" of the Latin American Novel
- SPAN 348 (4) Contemporary Hispanic Poetry
- SPAN 349 (4) Contemporary Spanish Novel
- WS 306/FREN 306/GERM 306/SPAN 306 (3) Sex, Class & Culture: Gender & Ethnic Issues in Int'l Short Stories

Third World Development Studies

Students in this concentration must choose ECON 306 Economics of the Developing World in the international studies core and a minimum of 16 units.

Required Courses

- ANTH 316 (4) Anthropology & Development
- PSCI 303 (3) Third World Politics

Development Electives

[Take 3 for a minimum of 9 units***]

- ANTH 317 (4) Women & Development
- PSCI 330 (4) Political Regimes & Political Change*
- PSCI 364 (4) Technology & Development
- PSCI 376 (2) Multilateralism and the United Nations System

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 concentration requirements. Prior approval by the concentration advisor is mandatory.



* Course only meets requirements if specific topic is appropriate to the concentration area. Consult with an advisor.

** Courses also meet GE and/or DCG requirements.

*** It is expected that at least one of these electives will be taken as part of study abroad [with prior instructor approval].

JOURNALISM

Bachelor of Arts degree

with a major in Journalism —

emphasis available in Journalism and Public Relations

Minor in Journalism (16 units)

Department Chair

Marcy Burstiner

Department of Journalism & Mass Communication

Bret Harte House 52

707-826-4775

www.humboldt.edu/journalism

The Program

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.

The Journalism major prepares students for careers in news, public relations, and related fields. As early as their freshmen year, students can produce multimedia stories for our award-winning student newspaper *The Lumberjack*, *Osprey* magazine, and KRFH radio station.

Our primary focus is on producing good, ethical journalists and media practitioners. But our goal is also to make students more critical thinkers about the media. Students learn ways to communicate information effectively and tell compelling stories across media forms. They study the role of the media in our society and how the media industries shape our culture and are affected by political and economic systems.

Possible careers for our graduating students include: news writer, reporter, editor, magazine writer, page designer, copy editor, photographer, television or radio reporter, news anchor, broadcast news director, pro-

ducer, public relations representative, advertising director, sports information director, sports writer, online editor, and webmaster.

Preparation

In high school take English and government and work on school publications.

REQUIREMENTS FOR THE MAJOR

For a description of degree requirements to be fulfilled in addition to those listed below for the major, please see "The Bachelor's Degree" section of the catalog, pp. 58-74.

Journalism majors must complete 45 units of coursework:

- Core Requirements: 20 units
- Core Elective: 3 units
- Experiential Learning Courses: 10 units
- Emphasis: 12 units

Core Courses

Lower Division Core (9 units)

- JMC 105 (3) Introduction to Mass Communication
JMC 120 (3) Beginning Reporting
JMC 125 (3) Intro to Journalism Tools

Upper Division Core (11 units)

- JMC 327 (2) Multimedia News Workshop
JMC 328 (3) Media Law
JMC 332 (3) Media Ethics
JMC 480 (3) Special Topics

Upper Division Elective (3 units)

- JMC 302 (3) Mass Media & Popular Arts
JMC 309 (3) Analyzing Mass Media Messages
JMC 330 (3) International Mass Communication
JMC 340 (3) Mass Communication History

Experiential Learning Courses

Lower Division Experiential Learning Courses (6 units)

- JMC 134 (3) Photojournalism & Photoshop
JMC 150 (3) Digital Design
JMC 154 (3) Radio Production
JMC 155 (1) KRFH Workshop
JMC 156 (3) Video Production

Upper Division Experiential Learning Courses (4 units)

- JMC 325 (2) Magazine Production Workshop

- JMC 333 (2) Radio News Workshop
JMC 338 (1-3) Mass Media Internship
JMC 355 (2) Advanced KRFH Workshop
JMC 427 (2) Advanced Multimedia News Workshop
JMC 490 (1-4) Seminar in Journalism

Emphasis

Journalism Emphasis (12 units)

3 units from the following:

- JMC 318 (3) Empirical Research in Communication, **or**
JMC 322 (3) Editing

Plus 9 units from the following:

- JMC 320 (3) Advanced Reporting
JMC 324 (3) Advanced News Writing
JMC 334 (3) Advanced Photojournalism & Photoshop
JMC 336 (3) Advanced Video Production

Public Relations Emphasis (12 units)

- JMC 322 (3) Editing
JMC 323 (3) Public Relations
JMC 429 (3) Advanced Public Relations

Plus 3 units from the following:

- JMC 318 (3) Empirical Research in Communication
JMC 354 (3) Media Advertising
JMC 450 (3) Media Management

REQUIREMENTS FOR THE MINOR

Students must complete 16 units in the journalism minor. Completion of this minor will prepare students for careers as reporters, writers, editors, producers, publishers, broadcasters, photographers, page and web designers, public relations and advertising professionals, and media scholars and researchers.

- JMC 105 (3) Introduction to Mass Communication
JMC 120 (3) Beginning Reporting

Plus one of the following courses:

- JMC 318 (3) Empirical Research in Communication
JMC 328 (3) Media Law
JMC 330 (3) International Mass Communication
JMC 332 (3) Media Ethics
JMC 340 (3) Mass Communication History

Plus seven units of approved courses from those required for the journalism major, including any of the courses listed above.



KINESIOLOGY

Bachelor of Science degree

with a major in Kinesiology —

Options available in Exercise Science/Health Promotion, Physical Education Teaching, or Pre-Physical Therapy

Minors in Kinesiology & Health

Education (20 units of coursework approved by the department chair)

Master of Science degree in Kinesiology—

Advanced study to prepare graduate students for doctoral and professional programs and careers in the promotion of physical activity.

Single Subject Credential (see Physical Education Teaching Option leading to a single subject credential)

Department Chair

Chris Hopper, Ph.D.

Department of Kinesiology & Recreation Administration

Kinesiology & Athletics 305
707-826-4538
www.humboldt.edu/kra

The BS Program

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.

Humboldt provides students with three new state-of-the-art laboratory facilities, including the human performance, biomechanics, and behavioral performance labs. A natatorium, plus two gymnasiums, dance studio, an all-weather track and field, cross-country trails, stadium, and two playing fields round out the facilities. In addition to their academic coursework, students develop their skills through fieldwork and practicum experiences in their areas of study.

Preparation

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 MAJOR

For a description of degree requirements to be fulfilled in addition to those listed below for the major, please see "The Bachelor's Degree" section of the catalog, pp. 58-74, and "The Master's Degree" section of the catalog, pp. 75-76.

General Requirements

- Prerequisite to core (8 units)
- Core requirements
 - Lower division (4 units)
 - Upper division (20 units)
- Option area (37-42 units)
- Students must earn a C- or better in all required courses for the major that have a KINS, REC, or HED prefix (or their equivalent, in the case of courses transferred from another institution).

Prerequisites To Core

ZOOL 113 (4) Human Physiology
ZOOL 270 (4) Human Anatomy

Core Classes (for all options)

Lower Division

HED 120 (1) Responding to Emergencies — CPR/FPR
KINS 165 (3) Foundations of Kinesiology

Upper Division

KINS 379 (4) Exercise Physiology
KINS 380 (4) Structural Kinesiology
KINS 474 (3) Psychology of Sport & Exercise
KINS 483 (3) Evaluation Techniques in Kinesiology
KINS 484 (3) Motor Development/ Motor Learning
KINS 492 (3) Senior Seminar in Kinesiology

Exercise Science/Health Promotion Option

Prepare 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.

Exercise Science: core (24 units) + option (41 units) = 65 units

Leading/Teaching Activity

Four units of courses selected in consultation with advisor.

Lower Division Requirements

HED 231 (3) Basic Human Nutrition

Upper Division Requirements

KINS 425 (3) Strength & Conditioning
KINS 450 (3) Exercise Testing
KINS 455 (3) Exercise Prescription/Leadership
KINS 482 (2-8) Internship in Kinesiology [8 units]
KINS 495 (1-6) Directed Field Exp. [3 units],
or
KINS 499 (1-6) Directed Study [3 units]

Concentration

Students will, upon consultation with and approval of their advisor, select 14-15 concentration units. Suggested coursework includes, but is not limited to:

HED 342 (3) Nutrition for Athletic Performance
HED 344 (3) Weight Control
HED 388 (3) Health-Related Behavior Change
HED 390 (3) Design & Implementation of Health Promotion Programs
HED 392 (3) Community & Population Health
HED 446 (3) Optimal Bone & Muscle Development
HED 500 (3) Cardiac Rehabilitation
KINS 276 (3) Techniques in Athletic Training

- KINS 447 (3) Pharmacology & Ergogenic Aids
- REC 210 (3) Recreation Leadership
- REC 220 (3) Leisure Programming
- REC 320 (3) Organization, Administration & Facility Planning
- REC 420 (3) Legal & Financial Aspects of Recreation

Physical Education Teaching Option

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 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 gymnasias, an indoor pool, an all-weather track, cross-country trails, a field house, weight room, and stadium.

Please note: Degree requirements listed here do not include professional education courses required for the credential. Students earning this degree may waive CSET assessment 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 and complete EDUC 285 or equivalent.

Physical Education Teaching: core (24 units) + option (37-38) = 61-62 units

Concepts of Teaching (14 units)

- KINS 311 (2) Concepts of Teaching Aquatics
- KINS 313 (2) Concepts of Teaching Dance
- KINS 315 (2) Concepts of Teaching Dynamic Movement
- KINS 317 (2) Concepts of Teaching Fitness
- KINS 319 (2) Concepts of Teaching Individual Activities
- KINS 321 (2) Concepts of Teaching Recreational Activities
- KINS 323 (2) Concepts of Teaching Team Activities

Additional Requirements (12 units)

- KINS 276 (3) Techniques in Athletic Training
- KINS 378 (3) Sport & Society
- REC 320 (3) Organization, Administration & Facility Planning

Take one course from the following to complete requirements:

- HED 231 (3) Basic Human Nutrition
- HED 342 (3) Nutrition for Athletic Performance
- HED 344 (3) Weight Control
- HED 388 (3) Health-related Behavior Change
- HED 390 (3) Design & Implementation of HP Program
- HED 392 (3) Community & Population Health
- KINS 425 (3) Strength & Conditioning
- KINS 447 (3) Pharmacology & Ergogenic Aids
- KINS 450 (3) Exercise Testing
- KINS 455 (3) Exercise Prescription/Leadership
- KINS 535 (2) Assessment Techniques
- KINS 577 (4) Adapted Physical Education Program
- REC 302 (3) Inclusive Recreation

EMPHASIS AREA

Select either a teaching emphasis or a coaching emphasis.

Teaching Emphasis (12 units)*

- KINS 384 (3) Curriculum & Instructional Strategies in Physical Education
- KINS 385 (3) Adapted Physical Education
- KINS 475 (3) Elementary School Physical Education
- HED 405 (3) School Health Programs

*To enter any state-approved credential program, a student must take:

- EDUC 285 (3) Technology For Educators
- SED 210 (1) Early Field Experience
- SED 410 (1-3) Observation & Participation Seminar

Coaching Emphasis (11 units)

- KINS 425 (3) Strength & Conditioning
- KINS 447 (3) Pharmacology & Ergogenic Aids
- KINS 486 (2) Theory of Coaching
- KINS 490 (3) Practica

NOTE: Students should consult with their academic advisor each semester for recent curricular modifications.

Pre-Physical Therapy Option

Prepare to enter a master's degree program in physical therapy. The following courses are all prerequisites for most professional programs in physical therapy.

Pre-Physical Therapy: core (24 units) + option (43 units) = 67 units total.

Lower Division

- BIOL 105 (4) Principles of Biology
- CHEM 109 (5) General Chemistry I
- CHEM 110 (5) General Chemistry II
- PHYX 106 (4) College Physics: Mechanics & Heat
- PHYX 107 (4) College Physics: Electromagnetism & Modern Physics
- PSYC 104 (3) Introduction to Psychology
- SOC 104 (3) Introduction to Sociology
- STAT 106 (3) Introduction to Statistics for the Health Sciences

Upper Division

- KINS 490 (3) Practica
- PSYC 438 (3) Dynamics of Abnormal Behavior

Concentration

Students will, upon consultation with and approval of their advisor, select 6 upper division concentration units.

REQUIREMENTS FOR THE MINORS

Please consult the department chair for current requirements.

REQUIREMENTS FOR THE MASTER OF SCIENCE DEGREE

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 non-profit 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.

The MS Program

Students completing this program will have demonstrated the ability to:

- apply advanced concepts and theoretical constructs in Kinesiology
- design and implement research in Kinesiology
- critically analyze, evaluate, and synthesize the scientific literature in Kinesiology
- synthesize and present data relevant to specialization areas within Kinesiology
- interpret, evaluate, and apply the scientific literature in kinesiology to promote health and optimize performance among diverse populations.

Prerequisites

In addition to Humboldt State University 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 from an accredited institution, or equivalent, and completion of courses in anatomy, physiology, exercise physiology, biomechanics, motor learning, and sport psychology with a grade of B- or better in each.
- a minimum undergraduate grade-point average (GPA) of 2.75 in the last 60 semester units (a 3.0 GPA is preferred).
- completion of the Graduate Record Examination (GRE) for verbal reasoning, quantitative reasoning, and analytical writing must be submitted as part of the application process prior to admission.

- 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 HSU. 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 HSU. The score must be sent to us directly by the English Language Testing System (IELTS).

A student may be conditionally admitted to the program if:

- The undergraduate degree lacks one or more of the following courses: human anatomy, human physiology, exercise physiology, biomechanics, motor learning, and sport psychology. These courses must be satisfactorily completed with a grade of B- or better in each before enrollment in graduate-level courses.
- The GRE scores or GPA are below the required minimum.

Applicants must also submit the names of three references, including contact information, and a statement of intent with their application.

Course Of Study

Core: 15 units

Elective courses: 9 units

Culminating experience: 6 units

Total units: 30

Required Core

All students must complete the following core courses:

- KINS 610 (3) Statistics for Kinesiology
KINS 635 (3) Research Methods in Kinesiology
KINS 640 (3) Psychology of Sport & Exercise
KINS 650 (3) Exercise Physiology
KINS 655 (3) Biomechanics

Elective Courses

9 units. Elective courses should support the student's area of emphasis.

Courses must be approved by the student's advisor/committee. These courses should be 500-600 level, with allowance for 300-400 level courses on a case-by-case basis.

Teaching associates who will be teaching during their second year are required to take KINS 615 (College Teaching in Kinesiology). Those not designated as graduate assistants may count this course as an elective.

Capstone Course

- KINS 690 (1-6) Thesis Writing Seminar

This is required for all graduate options. Successful completion of the degree requires a thesis or a project. The thesis and project include an oral defense.



LEADERSHIP STUDIES [INTERDISCIPLINARY STUDIES]

Bachelor of Arts degree

with an Interdisciplinary Studies

major — Option in Leadership Studies

College of eLearning & Extended Education

SBS 211

707-826-3731

www.humboldt.edu/extended

This new BA degree-completion program is offered online through the College of eLearning and Extended Education. For more information about the program, courses, and fees, contact the College of eLearning & Extended Education at 707-826-3731 or visit www.humboldt.edu/leadership.



LIBERAL STUDIES / ELEMENTARY EDUCATION

**Bachelor of Arts degree
with a major in Liberal Studies –
Elementary Education**

Program Director

Chris Hopper, Ph.D.
707-826-3853
cah3@humboldt.edu

**Liberal Studies Elementary Education
Advisor**

Dan Flockhart
707-826-3752
djf17@humboldt.edu

LSEE Office

Harry Griffith Hall 202A
707-826-3752
www.humboldt.edu/lsee

The Program

Students completing this program will have demonstrated:

- fluency in written and spoken language to a variety of audiences; in particular, communication skills required for teaching and professional activities
- competence in the fields listed below, in particular those portions of the field which have relevance to elementary education and K-8 student content standards:
 - English
 - mathematics
 - visual and performing arts (art, music, drama, dance)
 - science
 - history/social studies
 - physical education/health education
 - understanding of foundational theory and practice in teaching and learning related to K-8 student achievement
- understanding of issues which affect decisions about what, who, how, when, and why we teach, including appreciation for and engagement with diversity of K-8 students (e.g. English learners and students with disabilities).

Our primary mission is to provide strong knowledge-based education in the liberal arts in preparation for teaching in elementary schools. The Bachelor of Arts program gives special attention to subjects commonly taught in public and private schools. It also prepares students to pass the CSET exam in order to become elementary (K-8) school teachers in California and other states. For those students not planning to teach, the degree provides a foundation for professional opportunities working with children and youth.

The elementary teacher is usually responsible for teaching most or all subjects in a self-contained classroom, so LSEE includes courses from a wide variety of departments, programs, and disciplines to provide effective subject-matter preparation for the prospective teacher.

The program encourages students to gain experience in elementary school classrooms in a variety of settings and subject areas through a series of four required fieldwork courses. Additional experiences tutoring or volunteering in children's programs are recommended.

Students will be required to complete a live-scan finger print and tuberculosis clearance before participating in such experiences. See the LSEE webpage at www.humboldt.edu/lsee for more information.

Preparation

Try to work with elementary school-aged children in as many settings as possible. A background in a language other than English will help those planning to teach in California.

REQUIREMENTS

See Education and contact the education office or a faculty advisor for prerequisites and admission requirements to the elementary education credential program and for information on state teaching certification.

For a description of degree requirements to be fulfilled in addition to those listed below for the major, please see "The Bachelor's Degree" section of the catalog, pp. 58-74.

Students must earn a minimum grade of C- in all major requirements.

Lower Division

EDUC 110 (1) Introduction to Education
CD 256 (3) Middle Childhood Dev., **or**
PSYC 213 (3) The School-Age Child

Upper Division

ART 358 (3) Art Structure
CD 355 (3) Language Development, **or**
COMM 422 (4) Children's Communication Development
ECON 320 (3) Dev. of Economic Concepts
EED 310 (1) Exploring Teaching as a Career
ENGL 323 (3) Children's Literature
ENGL 326 (4) Language Studies for Teachers
ENGL 424 (3) Communication in Writing I

GEOG 470 (3) Topics in Geography for Teachers
HED 400 (3) Sound Mind/Body
HIST 311 (3) World History to 1750
KINS 475 (3) Elementary School Physical Education
MATH 308B/MATH 308C (3/3) Mathematics for Elementary Education
MUS 322 (3) Music in the K-8 Classroom
SCI 331 (3) Fundamental Science Concepts for Elementary Education
SCI 431 (3) Nature & Practice of Science - Elementary Education
SOC 303 (3) Race & Inequality, **or**
ES 304/GEOG 304 (3) Migrations & Mosaics, **or**
AIE 330 (3) Hist of Indian Education, **or**
AIE 335 (3) Social & Cultural Considerations, **or**
AIE 340 (3) Educational Experiences, **or**
COMM 322 (4) Intercultural Communication
TA 322 (3) Creative Drama, **or**
DANC 484 (3) Creative Dance for the Classroom

Fieldwork Courses

EED 210 (1) Direct Experience with Children
LSEE 311 (1.5) Mathematics Fieldwork Observation & Seminar
LSEE 312 (1.5) Social Studies & Science Fieldwork Observation & Seminar
LSEE 411 (2) Language Arts Fieldwork & Seminar

Capstone Course

LSEE 412 (1) Senior Capstone

Depth Of Study

Complete a 9- to 10-unit depth of study program from: child development, creative dramatics, English as a second language, history/social science, mathematics, music, physical education, psychology, Spanish, studio art, and science. The LSEE advisor has a list of specific courses in each area. Students with a depth of study in mathematics and/or science can apply for financial support.



LINGUISTICS MINOR

Minor in Linguistics

Advisor

Kathleen Doty, Ph.D.
Founders Hall, Room 212
707-826-5917

The Program

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

To fulfill requirements for a minor in linguistics, complete a minimum of 19 units in approved courses.

Introductory Phase

- ENGL 225 (4) Introduction to Language Analysis, **or**
ENGL 326 (4) Language Study for Teachers

One year of a language other than English in sequence at the university level (6-10 units)

Developmental Phase

One course each from two of the following options (6-7 units)

Option 1: Philosophical & Anthropological Approaches

- ANTH 340 (4) Language & Culture, **or**
PHIL 100 (3) Logic, **or**
PHIL 485 (3) Issues & Thinkers of Philosophical Interest
[when topic is Philosophy of Language]

Option 2: Language Development

- COMM 422 (4) Children's Communication Development, **or**
ENGL 417 (3) Second Language Acquisition, **or**
ENGL 328 (4) Structure of American English, **or**
ENGL 325 (4) History of the English Language

Option 3: Language Study

- FREN 311 (4) French V & Stories from the Francophone World, **or**
GERM 311 (4) German Level V, **or**
SPAN 311 (4) Spanish Level V

Culminating Phase

- LING 495 (3) Practicum in Language Studies



MATHEMATICS

**Bachelor of Arts degree
with a major in Mathematics –**
option available in Applied Mathematics

Minor in Mathematics

Minor in Applied Mathematics

See also the minor in Applied Statistics.

See *Environmental Systems* for details on the Master of Science degree with an option in mathematical modeling.

Department Chair

Tyler Evans, Ph.D.

Department of Mathematics

Behavioral & Social Sciences 320
707-826-3143
www.humboldt.edu/math

The Program

Students completing this program will have demonstrated:

- competence in the field of mathematics, including the ability to apply the techniques of calculus to mathematics, science, natural resources, and environmental engineering; the ability to develop and analyze standard models (primarily linear models) for systems in mathematics, science, natural resources, and environmental engineering; the ability to read, evaluate, and create mathematical proofs; the ability to write algorithms to investigate questions, solve problems, or test conjectures using standard tools (e.g. spreadsheet), specialized programs (e.g. MATLAB) and statistical programs (e.g. R); the ability to analyze the validity and efficacy of mathematical work
- fundamental understanding of the discipline of mathematics including the historical development of the main mathematical and statistical areas in the undergraduate curriculum; the ability to apply knowledge from one branch of mathematics to another and from mathematics to other disciplines; the role and responsibilities of mathematicians and mathematical work in science, engineering, education, and the broader society
- fluency in mathematical language through communication of their mathematical work including competence in written presentations of pure and applied mathematical work that follows normal conventions for logic and syntax; oral presentation of pure and applied mathematical work which is technically correct and is engaging for the audience; individual and collaborative project work in which a project question is described, methodologically discussed and implemented,

results are analyzed, and justifiable conclusions are drawn.

Mathematics students find an active and supportive department atmosphere that provides relevant preparation for mathematics related careers and/or excellent mentorship for graduate studies. To complement their studies, students have access to several campus computer labs, including one dedicated to mathematical applications. Students are active in the Math Club and there is a weekly Math Colloquium series.

Endowments honoring Michael Tucker and Harry Kieval enable the mathematics department to award a total of \$2500 in scholarships to two or three outstanding math majors each year. The Harry S. Kieval endowment also provides for guest lecturers twice each year and for an annual scholarship (\$300 per student) for one or two students transferring to Humboldt State University with the intention of majoring in mathematics.

Potential careers: systems analyst, statistics methods analyst, teacher, demographer, economic analyst, mathematics consultant, statistician, applied science programmer, financial investment analyst, actuary, and mathematician.

Preparation

Take math courses every year in high school. Creative writing, reading, art, and computer programming are also helpful.

REQUIREMENTS FOR THE MAJOR

For a description of degree requirements to be fulfilled in addition to those listed below for the major, please see "The Bachelor's Degree" section of the catalog, pp. 58-74, and "The Master's Degree" section of the catalog, pp. 75-76.

A minimum grade of C- is required for all courses in the major (all options).

Lower Division

- CS 111 (4) Computer Science Foundations I
or an approved course in computer programming
- MATH 109 (4) Calculus I
MATH 110 (4) Calculus II
MATH 210 (4) Calculus III
MATH 240 (3) Introduction to Mathematical Thought
MATH 241 (3) Elements of Linear Algebra

Upper Division

- MATH 313 (4) Ordinary Differential Equations
MATH 316 (4) Real Analysis I
STAT 323 (4) Probability & Statistics
MATH 343 (4) Introduction to Algebraic Structures
MATH 344 (3) Linear Algebra
- Plus one of the following:
MATH 416 (3) Real Analysis II, or
MATH 443 (3) Advanced Algebraic Structures

Plus an approved program of upper division and graduate math courses to bring the total units at or above the 300 level to 26.

Applied Mathematics Option

This option provides a theoretical foundation and skills necessary to apply mathematics or mathematical computing to problems encountered in other disciplines.

Lower Division

Same as the major in mathematics

Upper Division

- MATH 313 (4) Ordinary Differential Equations
MATH 316 (4) Real Analysis I
STAT 323 (4) Probability & Statistics
MATH 351 (4) Introduction to Numerical Analysis
MATH 361 (4) Introduction to Mathematical Modeling

Plus one of the following:
MATH 315 (4) Advanced Calculus, or
MATH 344 (3) Linear Algebra

Plus an approved program of upper division and graduate math courses to bring the total units at or above the 300 level to 26.

REQUIREMENTS FOR THE MINORS

Mathematics Minor

Lower Division

- CS 111 (4) Computer Science Foundations I
or an approved course in computer programming
- MATH 109 (4) Calculus I
MATH 110 (4) Calculus II
MATH 210 (4) Calculus III
MATH 240 (3) Introduction to Mathematical Thought
MATH 241 (3) Elements of Linear Algebra

Upper Division

MATH 343 (4) Introduction to Algebraic Structures, **or**

MATH 340 (3) Number Theory

Plus approved courses to bring the total to 10 upper division units.

Applied Mathematics Minor

Lower Division

CS 111 (4) Computer Science Foundations I

or an approved course in computer programming

▪ STAT 108 (4) Elementary Statistics, **or**

▪ STAT 109 (4) Introductory Biostatistics

Plus either of the following groups:

▪ MATH 109 (4) Calculus I

MATH 110 (4) Calculus II

MATH 210 (4) Calculus III

MATH 241 (3) Elements of Linear Algebra

OR

▪ MATH 105 (3) Calculus for the Biological Sciences & Natural Resources (NR)

MATH 205 (3) Multivariate Calculus for the Biological Sciences & NR

MATH 241 (3) Elements of Linear Algebra

Upper Division

MATH 313 (4) Ordinary Differential Equations, **or**

MATH 361 (4) Introduction to Mathematical Modeling

Plus approved courses to bring the total to 10 upper division units.



MATHEMATICS EDUCATION

Bachelor of Arts degree

with a major in Mathematics —
education option leading to a single
subject teaching credential

Department Chair

Tyler Evans, Ph.D.

Department of Mathematics

Behavioral & Social Sciences 320

707-826-3143

www.humboldt.edu/math

The Program

This program prepares students primarily for teaching math in junior high school and high school. (For information on preliminary and professional clear teaching credentials, see Education.)

Courses in calculus, computer programming, number theory, geometry, statistics, and history of mathematics comprise the program's core. Humboldt State 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.

Preparation

Take mathematics each year in high school. Creative writing, reading, art, and computer programming are also helpful.

REQUIREMENTS

For a description of degree requirements to be fulfilled in addition to those listed below for the major, please see "The Bachelor's Degree" section of the catalog, pp. 58-74.

Please note: Degree requirements listed here do not include 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.

Lower Division

CS 111 (4) Computer Science
Foundations I

or an approved course in computer programming

MATH 109 (4) Calculus I

MATH 110 (4) Calculus II

MATH 210 (4) Calculus III

MATH 240 (3) Introduction to
Mathematical Thought

MATH 241 (3) Elements of Linear Algebra

Upper Division

MATH 340 (3) Number Theory

MATH 343 (4) Introduction to Algebraic
Structures

MATH 370 (3) School Mathematics from
Advanced Viewpoint I

MATH 371 (3) Geometry

MATH 470 (3) School Mathematics from
an Advanced Viewpoint II

STAT 323 (4) Probability & Statistics

MATH 301 (3) Mathematics & Culture:
Historical Perspective*, or

MATH 401 (3) History of Mathematics I

Students also should take:

- sufficient units in approved upper division mathematics courses to bring the total to 26 — recommended:
MATH 316 (4) Real Analysis I
MATH 474 (3) Graph Theory
MATH 481 (1) Workshop in Tutoring Mathematics
- an approved, coherent program of not less than eight units in a field of study in which mathematics is applicable (see advisor)
- strongly recommended:
PHIL 100 (3) Logic
ART 105B (3) Beginning Drawing



* MATH 301 does not count toward 26 units of 300-level (or above) courses.

MULTICULTURAL QUEER STUDIES MINOR

Minor in Multicultural Queer Studies

See also the *Multicultural Queer Studies Pathway within the Interdisciplinary Studies major option in Critical Race, Gender and Sexuality Studies (CRGS)*.

CRGS Chair

Kim Berry, Ph.D.
Behavioral & Social Sciences 246

Department of Critical Race, Gender and Sexuality Studies

Behavioral & Social Sciences 206
707-826-4329, fax 826-4320
www.humboldt.edu/crgs

The Program

Students completing this minor will have demonstrated the ability to:

- use intersectional analysis to examine social issues
- link theory to practice
- critically evaluate empirical studies and methods.

The minor in Multicultural Queer Studies provides a rich mixture of interdisciplinary courses and community engagement and leadership opportunities. Students draw on classes from critical race, gender and sexuality studies, women's studies, ethnic studies, political science, psychology, education, sociology, theater arts, English, and other departments to study political and cultural issues related to sexual identity, sex, gender identity, and sexuality in a multicultural, multi-racial, and multidisciplinary context.

Through PSYC 437, students study scholarship and current political issues around gender identity and sexuality, particularly concerning the social categories lesbian, gay, bisexual, transgender and transsexual. All minors gain an understanding of the intersections of race, gender, sexuality and class through CRGS 108. Minors take another seven units in approved Multicultural Queer Studies elective classes. Finally, the minor has a 2- to 3-unit component providing field-based opportunities to grapple with issues of gender and sexual identity in a political, service, or cultural context. Sites for internships might include the Raven Project, Peer Education Program for the Consent Project or Health & Wellness Program, MultiCultural Center, North Coast Rape Crisis Team, Planned Parenthood, Humboldt Domestic Violence Services, and local high-school-based gay-straight alliances.

This minor can be particularly useful for those planning careers in education, social work, human services, public health, law, psychology, journalism and media, social justice activism, and community development.

REQUIREMENTS FOR THE MINOR

Core Curriculum

PSYC 437 (3) Sexual Diversity
CRGS 108 (3) Power/Privilege: Race, Class, Gender & Sexuality

Community Engagement and Leadership

Options include:

CRGS 410 (1-3) Internship Course
CRGS 313/EDUC 313 (3) Community Activism

Consult with the advisor for approval for service learning courses not on this list.

Elective Courses

Multicultural Queer Studies Courses

Seven approved elective units in Multicultural Queer Studies. Options include:

ANTH 430/CRGS 430 (3-4) "Queer" Across Cultures
EDUC 318/WS 318 (3) Gay & Lesbian Issues in Schools
ENGL 336 (4) when offered as Multicultural Queer Narratives
ENGL 360 (4) when offered as Queer Theory
ENGL 465 B-C /ES 465 B-C /WS 465 B-C (4) when offered as Performing Race & Gender
FILM 465 (4) when offered as Queer Movies
PSYC 436/WS 436 (3) Human Sexuality
PSYC 236 (1) Choices & Changes in Sexuality
SOC 316/WS 316 (4) Gender & Society
WS 350 (4) Women's Health & Body Politics
WS 370 (3-4) Queer Women's Lives, or
ENGL 360 (4) when offered as Queer Women's Literature
WS 480 (1-5) Transgender Lives and Experiences

Consult with the advisor for approval for special topics courses not on this list.



MUSIC

Bachelor of Arts degree

with a major in Music — with the following options:

- Composition
- Performance
- Music Studies
- Music Education

Minor in Music

Department Chair

Cindy Moyer, Ph.D.

Department of Music

Music Complex 143

707-826-3531

www.humboldt.edu/music

The Program

Students completing this program will have demonstrated:

- the ability to hear, identify, and work conceptually with the elements of music; rhythm, melody, harmony, and structure
- familiarity with and an ability to perform a wide selection of musical literature representing principal eras, genres, and cultural sources
- ability in performance areas appropriate to their needs, interest, and degree path.

For students wishing to pursue music as a career, the department is committed to helping:

- perfect skills as a performer or leader
- study the rich legacy and tradition of music literature and history
- identify, understand, and use the concepts which underlie and give order to the study of music
- prepare for graduate study or for a career in a music-related field.

The degree prepares performers, composers, and teachers. Some students prepare for advanced degrees in musicology, composition, and performance. Our graduates typically enjoy careers such as: instrumentalist, conductor, composer/arranger, music editor, critic, pianist, vocalist, disc jockey, studio teacher, accompanist, recording engineer, instrument repairer, copyist, or piano technician.

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 organiza-

tions (symphonic band, symphony, chamber music ensembles, band, opera workshop, jazz band, vocal jazz ensemble, combos, percussion ensemble, and calypso band) allow study of the finest musical literature.

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. The music library contains one of the most comprehensive collections of chamber music on the West Coast.

Nationally recognized performing artists frequently visit Humboldt to perform as soloists with student ensembles. Guest artists offer master classes to students. Summer chamber music workshops provide valuable opportunities for the serious performer.

The department is accredited by the National Association of Schools of Music.

Preparation

Entering students find it beneficial to have a music background that includes private study and experience in performance organizations.

REQUIREMENTS

For a description of degree requirements to be fulfilled in addition to those listed below for the major, please see "The Bachelor's Degree" section of the catalog, pp. 58-74.

Music majors must participate in a performance ensemble each semester. Students who receive a financial award 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. In addition, majors are required to attend six complete performances as listeners during each semester in residence. Performances that fulfill this requirement include any concert presented under the auspices of the Department of Music and other concerts approved by the student's primary applied instructor.

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 options.

All entering majors begin in the **music studies option**, 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.

The **performance option** 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.

The **composition option** gives a practical background in music composition with an emphasis on the use of music technology. Students must audition to enter this track. It requires 18 units beyond the core, yielding a total of 61 units for the major. A senior recital is also required.

The **music education option** 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. (For information on preliminary and professional clear teaching credentials, see the Education section of this catalog.)

Students in the music education option receive instruction in all instrumental areas, keyboard, and voice. They may choose from a wide variety of performance organizations — symphonic band, choir, symphony, madrigals, chamber ensembles, band, 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 option involves four steps:

1. Complete an application, including questionnaire, available from the Music Department office.
2. An audition demonstrating performance skills on the student's primary instrument or voice.
3. An interview before a panel of faculty and local practitioners.
4. A transcript evaluation by the Coordinator of Music Education. Courses are assigned based on the results of this evaluation regardless of courses completed at other institutions.

Prior to graduation, music education majors must take the Subject Matter Competency Exam. This comprehensive test, spread out over several days, is taken during the spring term prior to graduation. It includes competency tests in lesson planning, conducting, score reading and preparation, and performance on voice, piano, and selected orchestral instruments. Majors must also demonstrate proficiency in guitar. Detailed competency requirements are available in the department office.

Core Curriculum

[required of all music majors]

- MUS 104 (3) Introduction to Music
 MUS 106, MUS 107, MUS 150 (1-3)
 Ensembles* [Four required.]
- MUS 110 (3) Fundamentals of Music
 MUS 112 (1) Piano I
 MUS 113 (1) Piano II
 MUS 130 (1) Piano III [based on placement evaluation, with advisor's consent, pianists may substitute a voice or instrument class]
- MUS 214 (3) Theory I
 MUS 215 (3) Theory II
 MUS 216 (1) Ear Training I
 MUS 217 (1) Ear Training II
 MUS 302 (3) Music in World Culture
 MUS 314 (3) Theory III
 MUS 315 (3) Theory IV
 MUS 316 (1) Ear Training III
 MUS 317 (1) Ear Training IV
 MUS 330 (1) Piano IV: Improvisation [with advisor's consent, pianists may substitute a voice or instrument class]
- MUS 348 (3) Music History: Antiquity to 1750
 MUS 349 (3) Music History: 1750 to Present
 MUS 406, MUS 407, MUS 450 (1-3)
 Ensembles* [Four required.]

Music Studies Option

Five semesters of group or individual applied instruction chosen from MUS 220 - MUS 237 (MUS 420 - MUS 437 by advisement). Students may substitute MUS 108, MUS 109 by advisement depending upon availability of studio space and student's previous level of experience.

Six upper division elective units selected from the following:

- MUS 305 (3) Jazz: An American Art Form
 MUS 318 (2) Jazz Improvisation
 MUS 319 (2) Elementary Music Methods
 MUS 320 (3) Composition: Film Scoring
 MUS 320B (3) Composition: Jazz & Pop Arranging
 MUS 324 (2) Contemporary Composition Techniques
 MUS 326 (2) Counterpoint
 MUS 334 (2) Fundamentals of Conducting
 MUS 338 (3) Vocal & Instrumental Scoring
 MUS 356 (2) Lyric Diction
 MUS 360 (2) Music Technology: Midi & Finale
 MUS 361 (2) Music Technology: Recording & Playback
 MUS 384 (2) Advanced Choral Conducting & Literature
 MUS 386 (1) Teaching of Applied Music [MUS 386L not acceptable for credit]
 MUS 387 (2) Advanced Instrumental Conducting & Literature
 MUS 453 (2) Career Skills for Musicians

Performance Option

Listed below are the four emphasis areas within the performance option.

Instrumental Emphasis

- MUS 222-MUS 236 (1-3) Studio Instruction, Intermediate [4 sem. of 1 unit ea.]
 MUS 334 (2) Fundamentals of Conducting
 MUS 406-MUS 407 (1-3) Performance Ensemble* [4 sem. of 1 unit ea.]
 MUS 422-MUS 436 (1-3) Studio Instruction, Advanced [4 sem. of 1 unit ea.]
 MUS 440 (0) Senior Recital

Four upper division elective units selected from the following:

- MUS 305 (3) Jazz: An American Art Form
 MUS 318 (2) Jazz Improvisation
 MUS 319 (2) Elementary Music Methods
 MUS 320 (3) Composition: Film Scoring
 MUS 320B (3) Composition: Jazz & Pop Arranging
 MUS 324 (2) Contemporary Composition Techniques
 MUS 326 (2) Counterpoint
 MUS 334 (2) Fundamentals of Conducting
 MUS 338 (3) Vocal & Instrumental Scoring
 MUS 360 (2) Music Technology: Midi & Finale
 MUS 361 (2) Music Technology: Recording & Playback
 MUS 384 (2) Advanced Choral Conducting & Literature
 MUS 386 (1) Teaching of Applied Music [MUS 386L not acceptable for credit]
 MUS 387 (2) Advanced Instrumental Conducting & Literature
 MUS 453 (2) Career Skills for Musicians

Guitar Emphasis

- MUS 237 (1-3) Studio Guitar, Intermediate [4 sem. of 1 unit ea.]
 MUS 334 (2) Fundamentals of Conducting
 MUS 340 (0) Junior Recital
 MUS 406-MUS 407 (1-3) Performance Ensemble* [4 sem. of 1 unit ea.]
 MUS 437 (1-3) Studio Guitar, Advanced [4 sem. of 1 unit ea.]
 MUS 440 (0) Senior Recital

Four upper division elective units selected from the following:

- MUS 305 (3) Jazz: An American Art Form
 MUS 318 (2) Jazz Improvisation
 MUS 319 (2) Elementary Music Methods
 MUS 320 (3) Composition: Film Scoring
 MUS 320B (3) Composition: Jazz & Pop Arranging
 MUS 324 (2) Contemporary Composition Techniques

* See separate list of specific ensemble requirements for each instrument, available from the Music Department.

- MUS 326 (2) Counterpoint
- MUS 334 (2) Fundamentals of Conducting
- MUS 338 (3) Vocal & Instrumental Scoring
- MUS 360 (2) Music Technology: Midi & Finale
- MUS 361 (2) Music Technology: Recording & Playback
- MUS 384 (2) Advanced Choral Conducting & Literature
- MUS 386 (1) Teaching of Applied Music [MUS 386L not acceptable for credit]
- MUS 387 (2) Advanced Instrumental Conducting & Literature
- MUS 453 (2) Career Skills for Musicians

Piano Emphasis

- MUS 220 (1-3) Studio Piano, Intermediate [4 sem. of 1 unit ea.]
- MUS 334 (2) Fundamentals of Conducting
- MUS 340 (0) Junior Recital
- MUS 353 (1) Accompanying [4 sem. of 1 unit ea.]
- MUS 385P (1) Performance Seminar [2 sem. of 1 unit ea.]
- MUS 386 (1) Teaching of Applied Piano
- MUS 386L (1) Teaching of Applied Piano Lab
- MUS 420 (1-3) Studio Piano, Advanced [4 sem. of 1 unit ea.]
- MUS 440 (0) Senior Recital

Vocal Emphasis

- MUS 221 (1-3) Studio Voice, Intermediate [4 sem. of 1 unit ea.]
- MUS 334 (2) Fundamentals of Conducting
- MUS 356 (2) Lyric Diction
- MUS 385V (1) Performance Seminar [4 sem. of 1 unit ea.]
- MUS 386 (1) Teaching of Applied Voice
- MUS 386L (1) Teaching of Applied Voice Lab
- MUS 406–MUS 407 (1-3) Performance Ensemble* [4 sem. of 1 unit ea.]
- MUS 421 (1-3) Studio Voice, Advanced [4 sem. of 1 unit ea.]
- MUS 440 (0) Senior Recital

* See separate list of specific ensemble requirements for each instrument, available from the Music Department.

Composition Option

- MUS 220–MUS 237 (1-3) Studio Instruction or Voice Instruction, Intermediate [2 sem. of 1 unit ea.]
- MUS 326 (2) Counterpoint
- MUS 338 (3) Vocal & Instrumental Scoring
- MUS 360 (2) Music Technology: Midi & Finale
- MUS 440 (0) Senior Recital

Take either of the following groups:

- MUS 324 (2) Contemporary Composition Techniques [1 semester]
- MUS 438 (1-3) Studio Composition, Advanced [4 semesters]

OR

- MUS 324 (2) Contemporary Composition Techniques [2 semesters]
- MUS 438 (1-3) Studio Composition, Advanced [3 semesters]

One of the following:

- MUS 320 (3) Composition: Film Scoring
- MUS 320B (3) Composition: Jazz & Pop Arranging

Additional recommended electives:

- Courses in the MUS 320 series (above) not already taken
- MUS 180 (1-3) Introduction to Music Business & Technology
- MUS 220/MUS 420 (1-3) Studio Piano Instruction
- MUS 318 (2) Jazz Improvisation
- MUS 334 (2) Fundamentals of Conducting
- MUS 370–MUS 373 (.5) Instrumental Techniques

Music Education Option

- MUS 109V (1) Voice [Vocal emphasis students must take MUS 356 (2) Lyric Diction instead]
- MUS 220–MUS 237 (1-3) Studio Instruction, Intermediate [1 semester]
- MUS 318 (2) Jazz Improvisation
- MUS 319 (2) Elementary Music Methods
- MUS 334 (2) Fundamentals of Conducting
- MUS 338 (3) Vocal & Instrumental Scoring
- MUS 360 (2) Music Technology: Midi & Finale

- MUS 370–MUS 373 (.5) Instrumental Techniques
- MUS 384 (2) Advanced Choral Conducting & Literature
- MUS 387 (2) Advanced Instrumental Conducting & Literature
- MUS 420–MUS 437 (1-3) Studio Instruction, Advanced [4 semesters]
- MUS 455 (3) Secondary Music Methods

NOTE: Courses listed above satisfy requirements for the music education major, but not for a teaching credential. Students must be admitted to the HSU 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. In addition, students must take EDUC 285, Technology for Educators.

REQUIREMENTS FOR THE MINOR

- MUS 104 (3) Introduction to Music
- MUS 110 (3) Fundamentals of Music

Applied Instruction — in voice, piano, and another instrument, including one full year approved in one area and a semester each in the other two areas.

Performance Ensemble — 2 semesters. See separate list of specific ensemble requirements for the minor, available from department.

Plus six units of approved upper division music electives, to bring total units in the minor to 18.



NATIVE AMERICAN STUDIES

Bachelor of Arts degree

with a major in Native American Studies — with specialization options in Law & Government, Environment & Natural Resources, Language & Literature, Society & Culture

Minor in Native American Studies

Department Chair

Marlon Sherman, J.D.

Department of Native American Studies

Behavioral & Social Sciences 206

707-826-4329

www.humboldt.edu/nasp

The Program

Students completing this program will have demonstrated:

- knowledge of and the ability to communicate significant information regarding Native American cultures, histories, federal and tribal law and government, community development, language and tradition, stewardship, sovereignty, and other issues affecting life in Indian country, especially from a Native American perspective
- ability to research issues affecting life in Indian Country by using primary and secondary sources
- ability to explain the concept of tribal sovereignty, and understand the development and importance of modern tribal governments
- knowledge of Indigenous environmental relationships through an awareness of diverse Indigenous cultural and scientific perspectives, and the importance of protection of sacred and historical sites
- ability to recognize the scope of tribal sovereignty as it relates to tribal, federal, and international law (legislative and judicial), including the structure of federal/tribal relationships, indigenous autonomy, and self-governing behaviors.

Unique among CSU campuses in its close proximity to several thriving Native American communities, Humboldt provides a rich environment for studying the Native American heritage and for preparing for careers in areas such as Indian education, counseling, and cultural and natural resource management.

The Department of Native American Studies is a stand-alone department whose faculty are expert in many areas of arts, humanities, social sciences, natural resources, and

Federal Indian Law. Native American Studies majors often work closely with the Indian Tribal and Educational Personnel Program (ITEPP) and the Center for Academic Excellence in STEM.

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.

Preparation

High school students should study the humanities, social studies, and history.

REQUIREMENTS FOR THE MAJOR

For a description of degree requirements to be fulfilled in addition to those listed below for the major, please see "The Bachelor's Degree" section of the catalog, pp. 58-74.

Core Courses (31 units)

Lower Division (6 units)

- NAS 104 (3) Introduction to Native American Studies
NAS 200 (3) Indigenous Peoples in US History

Upper Division (25 units)

- NAS 301 (3) Native American Literature
NAS 306 (3) Indigenous Peoples of the Americas
NAS 325 (3) Native Tribes of California
NAS 331 (3) Introduction to Native American Perspectives on Natural Resources Management
NAS 340 (3) Language & Communication in Native American Communities
NAS 362 (3) Tribal Governance & Leadership
NAS 364 (4) Federal Indian Law I
NAS 492 (3) Native American Studies Capstone Experience

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 Concentrations,

or choose an "Option" area in which to specialize (Law & Government, Environment & Natural Resources, Language & Literature, Society & Culture). If a student chooses an optional specialized area, the student must take two courses in that area.

Electives (6-7 units)

A student may choose an optional specialization from the following electives by taking two of the courses listed under a category below.

Law & Government

- NAS 365 (4) Federal Indian Law II
NAS 468 (3) Tribal Justice Systems

Environment & Natural Resources

- NAS 332 (3) Environmental Justice
NAS 366 (3) Tribal Water Rights

Language & Literature

- NAS 302 (3) Oral Literature & Oral Tradition
NAS 345 (3) Native Languages of North America

Society & Culture

- NAS 320 (3) Native American Psychology
NAS 336 (3) Nature & Issues of Genocide
NAS 374 (3) Native American Health

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 327 (3) Native Tribes of North American Regions
NAS 361 (3) Tribal Sovereignty, Tribal Citizens
NAS 392 (3) Indigenous Identities in Film
NAS 480 (1-4) Special Topics [Topics vary and may be repeated.]

REQUIREMENTS FOR THE MINOR

The NAS minor requires a total of 15-16 units: Students take a total of 9 units of required core courses plus 6-7 units (two courses) from one of two emphasis categories.

Required Core Courses (9 units)

Lower Division (6 units)

- NAS 104 (3) Introduction to Native American Studies
- NAS 200 (3) Indigenous Peoples in US History

Upper Division (3 units)

- NAS 306 (3) Indigenous Peoples of the Americas

Emphasis Categories (6-7 units)

In addition to the core, students select two courses from one of the following emphasis categories.

Culture & Community (6 units)

- NAS 301 (3) Native American Literature
- NAS 325 (3) Native Tribes of California
- NAS 374 (3) Native American Health

Law & Policy (6-7 units)

- NAS 331 (3) Introduction to Native American Perspectives on Natural Resources Management
- NAS 364 (4) Federal Indian Law I
- NAS 366 (3) Tribal Water Rights



NATURAL RESOURCES

MINOR IN NATURAL RESOURCES

Minor in Natural Resources

Department Chair

Steven R. Martin, Ph.D.

Environmental Science & Management Department

Natural Resources Building 200

707-826-4147

www.humboldt.edu/environment

REQUIREMENTS FOR THE MINOR

BIOL 105	(4)	Principles of Biology
EMP 105	(3)	Natural Resource Conservation
SOIL 260	(3)	Introduction to Soil Science

At least three courses from the following (at least six units must be 300 or above):

EMP 210	(3)	Public Land Use Policies & Management
EMP 215	(3)	Natural Resources & Recreation
EMP 365	(3)	Local Government Planning
FISH 300	(3)	Introduction to Fishery Biology
FOR 315	(3)	Forest Management
FOR 374	(3)	Wilderness Area Mgmt.
OCN 301	(3)	Marine Ecosystems — Human Impact
OCN 304	(3)	Resources of the Sea
RRS 306	(3)	Wildland Resource Principles
WLDF 300	(3)	Wildlife Ecology & Management, or
WLDF 301	(3)	Principles of Wildlife Management

MASTER OF SCIENCE

Master of Science degree

in Natural Resources — options in:

Environmental & NR Sciences

Fisheries

Forest, Watershed & Wildland Sciences

Wildlife

Natural Resources Graduate Program

Forestry Building 101

707-826-3256

www.humboldt.edu/cnrs/graduate_programs

Pat Comella, ASC

707-826-3256

Admission Requirements

Students must have:

- undergraduate preparation equivalent to a bachelor's degree in the selected option;
- minimum undergraduate grade-point average of 3.0 for the last 60 units;
- combined verbal and quantitative score of 1000 on the Graduate Record Examination (GRE);
- GPA or GRE requirements may be accepted by extensive work experience or exceptional GRE score or GPA.

Supporting Materials

Please refer to the college website www.humboldt.edu/cnrs/graduate_programs for information regarding supporting materials.

REQUIREMENTS FOR THE MASTER'S DEGREE

Environmental & Natural Resource Sciences

ENRS 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: EMP 690 and EMP 695
- Enrollment in EMP 685 is required during each semester of residence. A maximum of two units is applicable to the 30-unit requirement.
- 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.
- Students must enroll in three units of EMP 690, through regular enrollment (i.e. not Extended Education), the semester that they 1) gain committee approval of their thesis; 2) defend their thesis; and 3) submit their thesis to the NR graduate coordinator. If an additional semester is needed to graduate, students may enroll in one unit of EMP 693 (Extended Education) their final semester.
- A thesis, a public oral presentation, and a closed formal defense are required.

Fisheries

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, FISH 458, FISH 460, FISH 685, FISH 690, FISH 695, or equivalents.
- 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.

- During the first four semesters at HSU, all graduate students shall enroll in three units each of FISH 690 and FISH 695. In all subsequent semesters in residence, students shall enroll in at least one unit each of FISH 690 and FISH 695.
- A thesis, a public oral presentation, and a closed formal defense are required.

Forest, Watershed & Wildland Sciences

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, FWWS 690, and FWWS 695. All students are required to enroll in at least one unit of at least two of the following courses every semester: FWWS 690, FWWS 695, or FWWS 699.
- 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.
- A thesis, a public oral presentation, and a closed formal defense are required.

Wildlife

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, WLDF 690, WLDF 695
- 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.
- A thesis, a public oral presentation, and a closed formal defense are required.



OCEANOGRAPHY

Bachelor of Science degree with a major in Oceanography

Minor in Oceanography

Department of Oceanography

Natural Resources Building 200
707-826-3540, fax 707-826-4145
www.humboldt.edu/oceanography

The Program

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.

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. Humboldt State University 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 field work 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.

Preparation

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 MAJOR

For a description of degree requirements to be fulfilled in addition to those listed below for the major, please see "The Bachelor's Degree" section of the catalog, pp. 58-74.

Core Curriculum

Lower Division Core

- OCN 109 (4) General Oceanography
OCN 260 (1) Sampling Techniques & Field Studies

Upper Division Core

- OCN 310 (4) Biological Oceanography
OCN 320 (4) Physical Oceanography
OCN 330 (4) Chemical Oceanography
OCN 340 (4) Geological Oceanography
OCN 370 (2) Library Research & Report Writing
OCN 420 (3) Oceans & Climate
OCN 485 (1) Undergraduate Seminar
OCN 495 (3) Field Cruise I
OCN 496 (2) Field Cruise II

BS in Oceanography

Oceanography Core, plus:

Lower Division

- BIOL 105 (4) Principles of Biology
CHEM 109 (5) General Chemistry I
CHEM 110 (5) General Chemistry II
GEOL 109 (4) General Geology

And one of the following two groups:

Group 1:

- MATH 109 (4) Calculus I
MATH 110 (4) Calculus II
MATH 210 (4) Calculus III

- PHYX 109 (4) General Physics I
PHYX 110 (4) General Physics II

Plus an 11-unit package of approved electives, tailored individually to the student's educational goals.

Group 2:

- MATH 105 (3) Calculus for the Biological Sciences & Natural Resources
MATH 205 (3) Multivariate Calculus for the Biological Sciences & NR
PHYX 106 (4) College Physics: Mechanics & Heat
PHYX 107 (4) College Physics: Electromagnetism & Modern Physics

- STAT 108 (4) Elementary Statistics, **or**
STAT 109 (4) Introductory Biostatistics

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.

REQUIREMENTS FOR THE OCEANOGRAPHY MINOR

- OCN 109 (4) General Oceanography
OCN 260 (1) Sampling Techniques & Field Studies

Two of the following:

- OCN 310 (4) Biological Oceanography
OCN 320 (4) Physical Oceanography
OCN 330 (4) Chemical Oceanography
OCN 340 (4) Geological Oceanography

One additional course from the 300-level classes listed above or a course from the following list:

- OCN 301 (3) Marine Ecosystems — Human Impact
OCN 304 (3) Resources of the Sea
OCN 410 (3) Zooplankton Ecology
OCN 420 (3) Oceans & Climate
OCN 495 (3) Field Cruise I
BIOL 430 (3) Intertidal Ecology
CHEM 370 (3) Earth System Chemistry
FISH 310 (4) Ichthyology
FISH 335 (3) US & World Fisheries
GEOL 460 (3) Solid Earth Geophysics



PHILOSOPHY

Bachelor of Arts degree with a major in Philosophy

Minor in Philosophy — Asian Aspects,
Ethics & Values, Fundamental Aspects,
History of Western Philosophy

Department Chair

Dave Heise, Ph.D.

Department of Philosophy

Behavioral & Social Sciences 506
707-826-4124, fax 707-826-4122
phil@humboldt.edu
www.humboldt.edu/philosophy

The Program

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.

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 MAJOR

For a description of degree requirements to be fulfilled in addition to those listed below for the major, please see "The Bachelor's Degree" section of the catalog, pp. 58-74.

Philosophy majors must earn a minimum grade of "C" in all courses taken to fulfill the major requirements.

Lower Division

PHIL 100 (3) Logic

Upper Division

PHIL 302 (3) Environmental Ethics

PHIL 303 (3) Theories of Ethics

PHIL 341 (3) Presocratics, Plato,
Aristotle

PHIL 342 (3) Descartes, Locke, Hume

PHIL 343 (3) Kant and the 19th Century

PHIL 345 (3) Philosophies of China, **or**

PHIL 346 (3) Philosophies of India

PHIL 371 (3) Contemporary Social &
Political Philosophy

PHIL 420 (3) Contemporary
Epistemology &
Metaphysics

PHIL 425 (3) Philosophy of Science

Two seminars selected from offerings of PHIL 485.

Two electives chosen from the following: PHIL 301, PHIL 304, PHIL 306, PHIL 309B, PHIL 355, PHIL 415, PHIL 485. (Three units of PHIL 391 may be used in lieu of one of the electives and must be approved by the Department Chair for credit.)

REQUIREMENTS FOR THE MINOR

Philosophy minors must earn a minimum grade of "C" in all courses taken to fulfill the minor requirements.

For the four minors listed below, take the indicated courses and confer with members of the philosophy faculty for assistance in selecting suitable electives.

Minor in Philosophy — Asian Aspects

Take two courses from:

PHIL 104 (3) Asian Philosophy

PHIL 345 (3) Philosophies of China

PHIL 346 (3) Philosophies of India

Plus two 3-unit electives in philosophy, one of which must be upper division.

Minor in Philosophy — Ethics & Values

PHIL 303 (3) Theories of Ethics

Plus six units from the following:

PHIL 106 (3) Moral Controversies

PHIL 301 (3) Reflection on the Arts

PHIL 302 (3) Environmental Ethics

PHIL 304 (3) Philosophy of Sex & Love

PHIL 306 (3) Race, Racism & Philosophy

PHIL 371 (3) Contemporary Social &
Political Philosophy

Plus one lower or upper division 3-unit elective in philosophy.

Minor in Philosophy — Fundamental Aspects *(recommended minor for pre-law)*

PHIL 100 (3) Logic

PHIL 303 (3) Theories of Ethics

PHIL 420 (3) Contemporary
Epistemology &
Metaphysics

Plus one upper division, 3-unit philosophy elective. *(If pre-law, PHIL 415: Symbolic Logic, is recommended.)*

Minor in Philosophy — History of Western Philosophy

PHIL 341 (3) Presocratics, Plato,
Aristotle

PHIL 342 (3) Descartes, Locke, Hume

PHIL 343 (3) Kant and the 19th Century

Plus one lower or upper division 3-unit elective in philosophy.



PHYSICS

Bachelor of Science degree

with a major in Physics — a traditional physics major or option in astronomy

Bachelor of Arts degree with a major in Physics

Minor in Astronomy

Minor in Physics

Department Chair

Monty Mola, Ph.D.

Department of Physics and Astronomy

Science Complex A 470

707-826-3277

www.humboldt.edu/physics

The Program

Students completing this program will have demonstrated:

- understanding of how physics attempts to describe processes in nature
- competency in abstract reasoning and problem-solving skills
- understanding and use of physical and mathematical models
- knowledge of physics concepts applicable to a range of disciplines
- understanding of how physics relates and applies to studies in other disciplines
- breadth, depth, and rigor expected of a student with an undergraduate degree in physical science
- proficiency and skill in constructing and performing laboratory experiments and in the interpretation of experimental observations
- understanding the theories that support modern physical science.

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.

Preparation

In high school take English, mathematics, and physics.

REQUIREMENTS FOR THE MAJOR: BACHELOR OF SCIENCE

For a description of degree requirements to be fulfilled in addition to those listed below for the major, please see "The Bachelor's Degree" section of the catalog, pp. 58-74. The Upper Division Area B General Education requirement is met by the coursework within the Bachelor of Science degree.

A minimum grade of C- is required for all courses with the "PHYX" prefix for the BS physics major degree.

Lower Division Core

Core courses required for all majors:

- CHEM 109 (5) General Chemistry I
CHEM 110 (5) General Chemistry II
MATH 109 (4) Calculus I
MATH 110 (4) Calculus II
MATH 210 (4) Calculus III
MATH 241 (3) Elements of Linear Algebra
PHYX 109 (4) General Physics I: Mechanics
PHYX 110 (4) General Physics II: Electricity, Heat
PHYX 111 (4) General Physics III: Optics, Modern Physics

Upper Division Core

Core courses required for all majors:

- MATH 311 (2) Vector Calculus
MATH 313 (4) Ordinary Differential Equations
PHYX 320 (3) Modern Physics
PHYX 324 (4) Analytical Mechanics
PHYX 325 (4) Thermal Physics
PHYX 340 (2) Mathematical and Computational Methods
PHYX 441 (3) Electricity & Magnetism I
PHYX 442 (3) Electricity & Magnetism II
PHYX 450 (4) Quantum Physics I
PHYX 485 (.5-1) Physics Seminar

Astronomy Option

- PHYX 310 (3) Spacetime & Relativity
PHYX 360 (4) Physics of Stars & Planets
PHYX 361 (4) Galaxies and Cosmology

Physics Option

- PHYX 315 (3) Intro to Electronics & Electronic Instrumentation
PHYX 316 (4) Electronic Instrumentation & Control Systems
PHYX 462 (2) Senior Lab

Plus three additional units of upper division courses in physics or in other areas approved by your advisor.

Those students intending to enter graduate school in physics should take more courses in physics and mathematics. For example:

- MATH 240 (3) Intro to Mathematical Thought
MATH 314 (3) Partial Differential Equations
MATH 343 (4) Intro to Algebraic Structures
MATH 344 (3) Linear Algebra
MATH 351 (4) Intro to Numerical Analysis
MATH 418 (3) Intro to Complex Analysis
PHYX 495 (1-3) Selected Topics in Physics for Seniors — Undergraduate Research

REQUIREMENTS FOR THE MAJOR: BACHELOR OF ARTS IN PHYSICS

For a description of degree requirements to be fulfilled in addition to those listed below for the major, please see "The Bachelor's Degree" section of the catalog, pp. 58-74.

A minimum grade of C- is required for all courses with the "PHYX" prefix for the BA physics major degree.

Lower Division

- CHEM 109 (5) General Chemistry I
CHEM 110 (5) General Chemistry II
MATH 109 (4) Calculus I
MATH 110 (4) Calculus II
MATH 210 (4) Calculus III
MATH 241 (3) Elements of Linear Algebra
PHYX 111 (4) General Physics III: Optics, Modern Physics

Plus one of these physics series:

- PHYX 106 (4) College Physics: Mechanics & Heat, and
PHYX 107 (4) College Physics: Electromagnetism & Modern Physics, and
PHYX 399 (1-3) Supplemental Work in Physics

OR

- PHYX 109 (4) General Physics I: Mechanics, and
PHYX 110 (4) General Physics II: Electricity, Heat

Upper Division

- MATH 313 (4) Ordinary Differential Equations
PHYX 304 (4) The Cosmos (recommended early in your program)

- PHYX 315 (3) Intro to Electronics & Electronic Instrumentation
 PHYX 320 (3) Modern Physics
 PHYX 324 (4) Analytical Mechanics
 PHYX 441 (3) Electricity & Magnetism I
 PHYX 442 (3) Electricity & Magnetism II

Plus 12 units from the following physics courses:

- PHYX 310 (3) Spacetime & Relativity
 PHYX 316 (4) Electronic Instrumentation & Control Systems
 PHYX 325 (4) Thermal Physics
 PHYX 360 (4) Physics of Stars & Planets
 PHYX 420 (4) Optical Systems Design
 PHYX 430 (3) Computerized Instrumentation
 PHYX 450 (4) Quantum Physics I
 PHYX 462 (2) Senior Lab

REQUIREMENTS FOR THE ASTRONOMY MINOR

A minimum grade of C- is required for all courses with the "PHYX" prefix for the physics minor degree.

Lower Division

One of these physics series:

- PHYX 109 (4) General Physics I: Mechanics, **and**
PHYX 110 (4) General Physics II: Electricity, Heat

OR

- PHYX 106 (4) College Physics: Mechanics & Heat, **and**
PHYX 107 (4) College Physics: Electromagnetism & Modern Physics, **and**
PHYX 399 (1-3) Supplemental Work in Physics

Upper Division

One of these two physics courses:

- PHYX 310 (3) Spacetime & Relativity
 PHYX 320 (3) Modern Physics

One of these two physics courses:

- PHYX 324 (4) Analytical Mechanics
 PHYX 420 (4) Optical Systems Design

Plus:

- PHYX 360 (4) Physics of Stars & Planets
 PHYX 361 (4) Galaxies and Cosmology

REQUIREMENTS FOR THE PHYSICS MINOR

A minimum grade of C- is required for all courses with the "PHYX" prefix for the physics minor degree.

Lower Division

One of these calculus series:

- MATH 105 (3) Calculus for the Biological Sciences & Natural Resources, **and**
MATH 205 (3) Multivariate Calculus for the Biological Sciences & NR

OR

- MATH 109 (4) Calculus I (recommended), **and**
MATH 110 (4) Calculus II

Plus one of these physics series:

- PHYX 106 (4) College Physics: Mechanics & Heat, **and**
PHYX 107 (4) College Physics: Electromagnetism & Modern Physics, **and**
PHYX 399 (1-3) Supplemental Work in Physics

OR

- PHYX 109 (4) General Physics I: Mechanics, **and**
PHYX 110 (4) General Physics II: Electricity, Heat, **and**
PHYX 111 (4) General Physics III: Optics, Modern Physics

Upper Division

Core courses required for all minors:

- PHYX 304 (4) The Cosmos (recommended early in your program)
 PHYX 315 (3) Intro to Electronics & Electronic Instrumentation
 PHYX 320 (3) Modern Physics

Plus one of these physics courses:

- PHYX 310 (3) Spacetime & Relativity
 PHYX 316 (4) Electronic Instrumentation & Control Systems
 PHYX 324 (4) Analytical Mechanics
 PHYX 325 (4) Thermal Physics
 PHYX 360 (4) Physics of Stars & Planets
 PHYX 420 (4) Optical Systems Design
 PHYX 441 (3) Electricity & Magnetism I
 PHYX 450 (4) Quantum Physics I



POLITICAL SCIENCE

Bachelor of Arts degree with a major in Political Science

Minor in Political Science

Department Chair

Noah Zerbe, Ph.D.

Department of Politics

Founders Hall 180

707-826-4494

www.humboldt.edu/politics

The Program

Students completing this program will have demonstrated:

- knowledge of political theories, institutions, and processes in the U.S. and/or internationally
- the ability to identify, access, read, and evaluate political science research
- the ability to critically analyze social, political, and/or environmental challenges facing contemporary polities, 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.

For students who wish to concentrate on the study of politics as part of their liberal arts education, the Department of Politics offers lower-division core and skills courses in political science and three upper-division elective emphases clustered around major social and political challenges of the 21st century. The experience component of our program recognizes the importance of "hands on" learning outside the classroom. We strongly encourage our students to include an international experience (a year, semester, or summer abroad) as part of their undergraduate major in political science. To enhance their success, we place a high value on oral and written communication and recommend students attain competence in a foreign language and computer literacy.

Students may choose electives from different emphases or concentrate their electives in one emphasis. The emphases are:

- **Advocacy and Institutions**
- **Environment and Sustainability**
- **Globalization**

Preparation

In high school take courses in English, history, and government.

REQUIREMENTS FOR THE MAJOR

For a description of degree requirements to be fulfilled in addition to those listed below for the major, please see "The Bachelor's Degree" section of the catalog, pp. 58-74.

All courses required for the major must be completed with a minimum grade of C-.

41 units required for the major:

Core Program

PSCI 210	(3)	Intro to U.S. Politics
PSCI 220	(3)	Intro to Political Theory
PSCI 230	(3)	Intro to Comparative Politics
PSCI 240	(3)	Intro to Int'l Relations

Skills

PSCI 280	(1)	Core Discussion Seminar
PSCI 295	(4)	Political Research & Analysis

Experience

Select at least one of the following:

PSCI 358	(4)	Political Advocacy
PSCI 376	(2)	Multilateralism and the UN System, and
PSCI 377	(1)	Model United Nations
PSCI 482	(3)	Internships

Seminar

PSCI 485	(4)	Capstone Seminar in Politics
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Electives

A minimum of 17 units is required. Students are restricted to taking courses at the 300 level and above for elective credit. Students can choose courses from any emphasis.

Advocacy and Institutions

PSCI 313	(4)	Politics of Criminal Justice
PSCI 316	(4)	Public Administration
PSCI 317	(1-4)	Topics in Public Policy
PSCI 323	(4)	Topics in Political Theory
PSCI 327	(4)	Radical Political Thought
PSCI 350	(4)	The President & Congress
PSCI 354	(4)	Media and Public Opinion
PSCI 359	(3)	California Government
PSCI 410	(4)	American Constitutional Law

Environment and Sustainability

PSCI 306	(3)	Environmental Politics
PSCI 323	(4)	Topics in Political Theory:
PSCI 352	(4)	Water Politics
PSCI 364	(4)	Technology & Development
PSCI 371	(.5-3)	Vital Issues in Contemporary Politics (when topic relevant)
PSCI 373	(4)	Politics of Sustainability
PSCI 412	(4)	Legal Research

Globalization

PSCI 303	(3)	Third World Politics
PSCI 330	(4)	Political Regimes & Political Change
PSCI 340	(4)	Ethnicity & Nationalism
PSCI 343	(4)	Global Governance
PSCI 347	(4)	U.S. Foreign Policy
PSCI 360	(4)	Political Economy
PSCI 371	(.5-3)	Vital Issues in Contemporary Politics (when topic relevant)
PSCI 441	(4)	International Law

REQUIREMENTS FOR THE MINOR

All courses required for the minor must be completed with a minimum grade of C-.

Core Program

Two of the following:

PSCI 210	(3)	Intro to U.S. Politics
PSCI 220	(3)	Intro to Political Theory
PSCI 230	(3)	Intro to Comparative Politics
PSCI 240	(3)	Intro to Int'l Relations

Seminar

PSCI 485	(4)	Capstone Seminar in Politics
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Electives

12 units required. Students are restricted to taking courses at the 300 level and above for elective credit.



PSYCHOLOGY

Bachelor of Arts degree with a major in Psychology

Minor in Psychology

Master of Arts degree in Psychology — Academic Research, Counseling (MFT), School Psychology

Department Chair

William Reynolds, Ph.D.

Department of Psychology

Behavioral & Social Sciences 410
707-826-3755
www.humboldt.edu/psychology

The BA Program

Students completing this program will have demonstrated:

- knowledge of significant facts and theories in the basic process area of psychological science including biopsychology, learning and motivation, sensation and perception, and cognition
- knowledge of significant facts and theories in the social and interpersonal processes area of psychological science including human development, social psychology, personality, and abnormal psychology
 - the ability to locate appropriate sources for psychological research by searching databases; read original scientific reports critically; write a review using these materials
 - the ability to design a psychological study, use basic laboratory skills to conduct the research, use statistical methods and software to analyze data, draw reasonable conclusions based on their research, and report their findings in APA style
- knowledge of diverse populations
- effective communication skills, effective interpersonal skills, increased self-understanding, and insight into the behavior of others
- application of their knowledge and skills in psychology to improve their own lives and the lives of others
- respect for the dignity and worth of all people and rights of individuals to privacy, confidentiality, and self-determination.

The Department of Psychology at HSU offers an undergraduate major leading to the BA degree, a minor program, course options for general education requirements and electives, service courses for other majors, and three graduate programs leading to the MA degree, including preparation for the California School Psychology credential, preparation for licensure as a Marriage-Family Therapist (MFT), and a 5th year MA program with content options in Biological Psychology, Social and Environmental Psychology, Developmental Psychopathology, and Behavior Analysis.

Students have access to physiological laboratories, videotaping facilities, a library of tests and measurements, and other resources for psychological research and applications.

The BA degree with a major in psychology from HSU is an excellent background for graduate school and many careers. A number of our students have been accepted into prestigious nationally recognized Ph.D. programs and many have gone on to master degree programs. The psychology major provides the basis for a career as a psychologist or mental health care worker. Typically, those professions require a Ph.D. or MA degree. There are also a number of executives, lawyers, and business professionals who earned a bachelor's degree in psychology before they obtained advanced degrees. If you are not planning on graduate school, psychology graduates still leave with a number of highly marketable skills such as the ability to collect, organize, analyze, and interpret data; write reports and proposals clearly and objectively; communicate effectively and sensitively in both individual and group situations; obtain information about problems through library research and personal contacts; and identify problems and suggest solutions on the basis of research findings. An undergraduate degree is also helpful in many health and mental health service professions. A psychology major is helpful for careers in areas such as a college admissions or employment counselor, media buyer, management trainee, mental health aide, opinion survey researcher, or customer relations, among others.

The Master's degree in Psychology, combined with an appropriate credential or license, may lead to careers such as school psychologist, counselor in a human service agency, marriage and family therapist, or board certified behavior analyst.

Traineeships and internships with local public and private agencies are arranged for graduate students in counseling and school psychology. The department's community clinic provides additional supervised opportunities for counseling graduate students.

Preparation

High school algebra is required and courses in biology are recommended.

REQUIREMENTS FOR THE BACHELOR'S DEGREE

For a description of degree requirements to be fulfilled in addition to those listed below for the major, please see "The Bachelor's Degree" section of the catalog, pp. 58-74, and "The Master's Degree" section of the catalog, pp. 75-76.

45-46 units required for the psychology major: 34 units must be upper division courses; all students must take at least one Student Participation "D" or "L" course.

Lower Division

Essentials in Psychology (11 units)

- PSYC 104 (3) Introduction to Psychology
PSYC 241 (4) Intro to Psychological Statistics
PSYC 242 (4) Intro to Psych Research Design & Methodology

Upper Division

Student Participation (1-2 units)

Must complete at least one "D" or "L" course from core or breadth Student Participation courses listed below:

- PSYC 311D (2) Human Development Discussion
PSYC 324D (2) Cognitive Psychology Discussion
PSYC 335D (2) Social Psychology Discussion
PSYC 337D (2) Personality Theory & Research Discussion
PSYC 345L (4) Psychological Testing and Measurement

NOTE: The Psychology Department requires that all psychology students adhere strictly to the Ethical Standards of Psychologists, published by the American Psychological Association, and to all department procedures and policies concerning use of humans and nonhumans as experimental participants. Failure to comply will result in immediate expulsion from the department's programs, courses, and facilities.

Core Content Areas in Psychology (18 units)

Choose from the following:

- PSYC 311 (3) Human Development
 PSYC 321 (3) Intro Behavioral Neuroscience
 PSYC 322 (3) Learning & Motivation
 PSYC 323 (3) Sensation & Perception
 PSYC 324 (3) Cognitive Psychology
 PSYC 335 (3) Social Psychology
 PSYC 337 (3) Personality Theory & Research
 PSYC 438 (3) Dynamics of Abnormal Behavior

Breadth Requirements (4 courses)

Choose from the following:

- PSYC 300 (3) Psychology of Women
 PSYC 302 (3) Psychology of Prejudice
 PSYC 303 (3) Family Relations in Contemporary Society
 PSYC 309 (3) Thinking Consumer in Materialistic Society
 PSYC 320 (4) Behavior Analysis
 PSYC 325 (4) Adv. Behavioral Neuroscience
 PSYC 336 (3) Social Influence & Persuasion
 PSYC 345L (4) Psychological Tests & Measurement
 PSYC 400 (3) Health Psychology
 PSYC 404 (3) Industrial/Organizational Psychology
 PSYC 405 (3) Environmental Psychology
 PSYC 406 (3) Forensic Psychology
 PSYC 414 (3) Psychology of Adolescence & Young Adulthood
 PSYC 418 (3) Developmental Psychopathology
 PSYC 433 (3) Stress & Wellness
 PSYC 434 (3) Death, Dying & Grief
 PSYC 436 (3) Human Sexuality
 PSYC 437 (3) Sexual Diversity
 PSYC 454 (3) Interviewing & Counseling Techniques
 PSYC 473 (3) Substance Use & Abuse
 PSYC 478 (4) Analysis of Variance

NOTE: Only 3 units from this section may be applied to Breadth requirement:

- PSYC 480 (.5-3) Selected Topics in Psychology
 PSYC 482 (1-4) Field Study
 PSYC 495 (1-4) Research in Psychology
 PSYC 496 (3) Psychology Research Seminar
 PSYC 497 (1-3) Mentoring
 PSYC 499 (1-3) Independent Study

Capstone Experience (3 units)

Choose from the following:

- PSYC 480 (.5-3) Selected Topics in Psychology (course must be listed as meeting capstone requirement)
 PSYC 485 (3) Senior Seminar
 PSYC 486 (3) History & Systems of Psychology
 PSYC 487 (3) Evolutionary Psychology
 PSYC 488 (4) Regression/Multivariate Topics
 PSYC 495/PSYC 499 (1-4)/(1-3) Taken as *Senior Honors Thesis* (3 units count toward capstone)
 PSYC 600 series Advanced Seminars (IA)

REQUIREMENTS FOR THE MINOR

Complete at least 15 units, 9 of which must be upper division. At least 3 units must be completed at Humboldt.

Introductory Phase (3 units)

- PSYC 104 (3) Introduction to Psychology

Core Areas (6 units)

Two courses from this area in the approved major courses.

Upper Division Breadth (6 units)

Two courses from this area in the approved major courses.

REQUIREMENTS FOR THE MASTER'S DEGREE

Humboldt offers an MA in psychology under three separate emphases – Academic Research, Counseling (MFT), and School Psychology.

■ MA Degree:

Academic Research Emphasis

This 5th year MA Program in Academic Research typically begins in a student's senior year and can be completed in a single year after completion of the BA degree. This program offers a master's degree with a focus of study in one of four Options: Social and Environmental Psychology, Biological Psychology, Developmental Psychopathology, 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

The Program

■ Biological Psychology Option

Biological psychology is the study of the physiological bases of behavior, particularly how the brain affects behavior. The Biological Psychology Option provides an extensive background in biological bases of behavior and numerous research opportunities. Our program prepares students for application to Ph.D. programs in the field of biological psychology and neuroscience. Students with degrees in Biology (or closely related fields) may apply for admission to the Biological option without 24 units of Psychology if they have completed PSYC 104, PSYC 241, and PSYC 242 (or equivalents). These students would complete prerequisite Psychology courses (in addition to the required coursework) after admission to the program to bring them to a total of 24 units overall.

Additional prerequisites to be completed prior to admission:

BIOL 105; CHEM 107 or equivalent; PSYC 321; PSYC 325

■ Social and Environmental Psychology Option

Social and Environmental Psychology is concerned both with psychological effects of the physical environment, both natural and man-made, and with effects of human action on the environment. The Social and Environmental Psychology Option provides students with the academic background in psychology necessary to both understand

and positively affect others on issues related to the environment. Coursework exposes students to a variety of perspectives and views on the environment and methodological skills necessary to conduct research in this area. On completion students will be prepared to seek employment in organizations concerned with the environment, or to pursue Ph.D. study.

Additional prerequisites to be completed prior to admission:

PSYC 302, PSYC 335

■ Developmental Psychopathology Option

Developmental Psychopathology is the study of psychological problems in the context of human development. The Developmental Psychopathology Option provides students with a background in understanding both normal and atypical development. Emphasis on normal developmental milestones in conjunction with a focus on emotional and behavioral challenges prepares students to work with a wide variety of children and their families or pursue Ph.D. study.

Additional prerequisites to be completed prior to admission:

PSYC 311, PSYC 438, and CD 464 or PSYC 418

■ Behavior Analysis Option

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 Option 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.

Additional prerequisites to be completed prior to admission:

PSYC 320, PSYC 322

Prerequisites and Requirements for Admission

- HSU students should have completed at least 24 units of undergraduate coursework in psychology.
- PSYC 104 or equivalent, PSYC 241 or equivalent, and PSYC 242 or equivalent
- GPA of 3.25 or higher in psychology coursework

- Statement of purpose
- Selection of a specialization area of interest (see Options)
- Prerequisite Verification Form
- 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.
- HSU students should apply to the program in their junior year as long as they meet the admissions requirements. Seniors may also apply if they have completed sufficient coursework in Psychology for the undergraduate major and can demonstrate that they can complete the Academic Research MA in two years after their BA. Admission is provisional contingent on the successful completion of requirements for the BA degree.
- Students with BA degrees from other institutions may also enroll in the Academic Research MA Program. However, it should be recognized that students who pursue the Academic Research Master's degree with a BA from another institution are likely to require more than one year for completion.
- For students with a BA degree (or near completion) from another institution should have their degree in psychology or closely related field with substantial psychology coursework, with admission conditional on their successful completion of prerequisites and the undergraduate coursework for the MA degree with a GPA of 3.25 or better and satisfactory completion of the BA.

Requirements for the Degree

(all options)

- 5th Year Students: Completion of PSYC 641 (Research Methods: Philosophy and Design) and PSYC 642 (Research Methods: Evaluation) in the senior year to facilitate timely completion of the culminating experience (thesis or project). These courses do not count toward completion of the required units for the MA.
- 5th Year Students: At least 30 upper division or graduate units in Psychology or supporting courses as defined by the Option or approved by the graduate committee completed post BA. A minimum of 15 of these units must be at the graduate level.
- Students Admitted Post BA: At least 30 upper division or graduate units in Psychology or supporting courses as defined by the Option or approved by the graduate committee completed post BA. A minimum of 15 of these units must be at the graduate level. Completion of PSYC 641/PSYC 642 in the first year.

- Completion of the following:
 PSYC 578 Analysis of Variance
 PSYC 680 Selected Topics in Psychology
 5th Year Proseminar

A minimum of two semesters of PSYC 690 or PSYC 692 (only six combined units count toward the required units for the degree).

- Elective courses selected in consultation with the Option graduate committee to complete unit requirements.
- Completion of either a Thesis or Project as a culminating experience.
- Continuous enrollment in four units per semester of PSYC 690 or PSYC 692.
- Completion of courses as outlined in one of the following Options.

Students who complete courses required for their MA as undergraduates may substitute approved electives from their emphasis area. Completion of these courses as an undergraduate allows for greater flexibility in the graduate program.

For students interested in pursuing doctoral study, we recommend completion of the thesis option and both PSYC 578 (Analysis of Variance) and PSYC 588 (Regression/Multivariate Topics).

Courses

■ Biological Psychology Option

- PSYC 672 (3) Psychopharmacology
- PSYC 433 (3) Stress and Wellness

Three elective courses, at least two of which are graduate level, selected from:

- PSYC 588 (4) Regression/Multivariate Topics
- PSYC 625 (3) Advanced Psychobiology
- PSYC 684 (1-6) Graduate Teaching Internship

PSYC 680 (.5-3) or other courses relevant to the concentration as approved by graduate committee.

Courses in Biology, Zoology or Chemistry that are relevant to the concentration as approved by the AR graduate committee.

■ Social & Environmental Psychology Option

- PSYC 405 (3) Environmental Psychology

At least two upper division undergraduate and two graduate level elective courses from the departments of Economics, Engineering, Environmental Sciences, Forestry, Political Science, Oceanography, or Sociology that are relevant to the concentration as approved

by graduate committee. In addition, any of the courses below may be used as graduate electives.

- PSYC 588 (4) Regression/Multivariate Topics
- PSYC 635 (3) Advanced Social Psychology
- PSYC 684 (1-6) Graduate Teaching Internship

PSYC 680 (.5-3) or other courses relevant to the concentration as approved by AR graduate committee.

■ Developmental Psychopathology Option

- PSYC 414 (3) Psychology of Adolescence & Young Adulthood
- PSYC 518 (3) Advanced Developmental Psychopathology
- PSYC 638 (3) Advanced Psychopathology: Diagnosis of Mental Disorder

Two electives, at least one of which is a graduate course, selected from:

- PSYC 588 (4) Regression/Multivariate Topics
- PSYC 632 (3) Advanced Developmental Psychology
- PSYC 684 (1-3) Graduate Teaching Internship

PSYC 680 (.5-3) or other courses relevant to the concentration as approved by graduate committee.

Courses in Child Development, Sociology, or Social Work that are relevant to the concentration as approved by the AR graduate committee.

■ Behavior Analysis Option

- PSYC 655 (3) Social-Behavioral Evaluation
- PSYC 680 (.5-3) Professional Ethics in Behavior Analysis
- PSYC 682 (1-6) Behavioral Field Work [two semesters]
- PSYC 683 (1-4) Teaching Assistantship (for PSYC 320)
- EDUC 680 (.5-4) Single-Subject Research Methods
- SPED 654 (3) Advanced Behavioral, Emotional, and Environmental Supports

For this option, we recommend completion of PSYC 478 and EDUC 680 in the Senior year.

■ MA Degree: Counseling Emphasis

This Master's degree in Psychology is accredited by the California Board of Behavioral Sciences and provides the academic requirements 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 Coordinator

Emily Sommerman, Psy.D.
707-826-3270

The Program

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.

The Master's Program emphasizing Counseling provides a solid foundation in clinical theory and research, along with extensive training in clinical skills. Supervised fieldwork/practica are a required part of the program, including experience working directly with clients in our community clinic, the department's training facility that provides low-cost counseling to campus and community members. Students are required to either pass a cumulative exam or complete a master's thesis. The cumulative exam is given in the fourth semester. If students choose the thesis option, they must decide by their second semester and enroll in thesis starting second semester, first year. The program is administered by a faculty committee that plans the curriculum, makes program policy, and selects students for admission.

Prerequisites for Admission

The following courses must be completed before the start of the program:

Lower Division

- Introduction to Research Design
- Introductory Statistics

Upper Division

- Abnormal Psychology
- Developmental Psychology
- Personality Theory
- Behavioral Neuroscience

Requirements

- A bachelor's degree with substantial preparation in psychology with a GPA of minimum of 3.0
- Some experience in human services and/or research
- Goals that match the program's objectives
- The potential for becoming an effective and ethical psychotherapist
- Autobiographical questions
- Resume of both paid and volunteer work
- Prerequisite Verification Form
- Demonstrated excellence in oral and written communication
- GRE (general exam only)

Courses

First Semester

- PSYC 641 (3) Research Methods: Philosophy & Design
- PSYC 654 (3) Interviewing and Counseling Techniques
- PSYC 658 (3) Theories of Individual Counseling and Psychotherapy
- PSYC 660 (3) Law & Ethics in Psychology (odd-numbered years.)
- PSYC 662 (1) Practicum Preparation
- PSYC 673 (1) Mental Health Addiction & Recovery

Second Semester

- PSYC 518 (3) Advanced Developmental Psychopathology
- PSYC 636 (1) Sexuality Counseling (even-numbered years)
- PSYC 638 (3) Advanced Psychopathology: Diagnosis of Mental Disorders
- PSYC 642 (2) Research Methods: Evaluation
- PSYC 656 (3) Couples Therapy (includes spousal abuse treatment requirement)

PSYC 682 (1-6) Fieldwork Practicum (to include individual supervision)

PSYC 690 (1-6) Thesis (optional)

Third Semester

- PSYC 653 (3) Advanced Psychotherapy with Children & Families
- PSYC 663 (1) Licensed Supervision
- PSYC 664 (3) Assessment & Testing for Psychotherapists
- PSYC 676 (3) Cross Cultural Counseling for Individuals, Children & Families

PSYC 682 (1-6) Fieldwork/Practicum

PSYC 690 (1-6) Thesis (optional)

Fourth Semester

- PSYC 636 (1) Sexuality Counseling (even-numbered years)
- PSYC 640 (1) Aging & Long-Term Care
- PSYC 657 (3) Group Counseling & Group Psychotherapy (even-numbered years)
- PSYC 663 (1) Licensed Supervision
- PSYC 672 (3) Psychopharmacology
- PSYC 673 (1) Mental Health Addiction & Recovery
- PSYC 682 (1-6) Fieldwork Practicum
- PSYC 690 (1-6) Thesis (optional)

NOTE: Some one-unit courses may be offered as a weekend course or on a Friday.

■ MA Degree:

School Psychology Emphasis

Master's degree in 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. The program is fully approved by the National Association of Psychologists (NASP). As a graduate of a nationally accredited program, students are eligible to sit for the national licensing exam to become a Nationally Certified School Psychologist (NCSP).

Program Coordinators

Lisa Miller, M.A., L.E.P.
Emily Sommerman, Psy.D.
707-826-3270

The Program

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 MA degree with a specialization in school psychology is required to complete a comprehensive portfolio containing examples of work in all of the California and NASP domains of professional practice. Students may also choose to complete a formal thesis as part of their MA degree.

Prerequisites for Admission

Courses in:

- General Psychology
- Research Methods
- Developmental Psychology
- Introductory Statistics
- Personality Theory or Abnormal Psychology
- Psychological Tests and Measurement

Requirements

- Statement of intent
- Prerequisite Verification Form
- CBEST Exam Verification

First Semester

- PSYC 605 (3) Psychological Foundations/
School Psychology
- PSYC 616 (3) Cognitive Assessment I
Cognitive/Biological Bases
of Behavior
- PSYC 641 (3) Research Methods
Philosophy & Design
- PSYC 654 (3) Interviewing & Counseling
Techniques

Second Semester

- PSYC 606 (2) Educational Foundations/
School Psychology
- PSYC 617 (3) Cognitive Assessment II
Cognitive/Biological
Bases of Behavior
- PSYC 642 (2) Research Methods:
Evaluation
- PSYC 651 (3) Diagnosis & Treatment of
Children for the School
Psychologist I – Cognitive
& Academic Difficulties
- PSYC 669 (3) Legal & Ethical Foundations
in School Psychology
- PSYC 690 (1-6) Thesis (optional)
- PSYC 692 (1) School Psychology
Portfolio Project
- PSYC 783 (4) School Psychology
Practicum

Third Semester

- PSYC 607 (2) Consultation/Collaboration
- PSYC 608 (2) Advanced Assessment/
Case Presentation
- PSYC 655 (3) Social-Behavioral
Evaluation
- PSYC 676 (3) Cross Cultural Counseling
for Individuals, Children &
Families
- PSYC 690 (1-6) Thesis (optional)
- PSYC 783 (4) School Psychology
Practicum

Fourth Semester

- PSYC 659 (3) Mental Health in K-12
Schools
- PSYC 690 (1-6) Thesis (optional)
- PSYC 692 (2) School Psychology
Portfolio Project
- PSYC 783 (4) School Psychology
Practicum

Internship (Third Year)

- PSYC 692 (3) School Psychology
Portfolio Project
- PSYC 784 (6-12) School Psychology
Internship

Admission Procedures

For all three graduate programs the following are necessary to submit to the Office of Admissions, Humboldt State University, Arcata, CA 95521.

- A California State University application form. All applicants apply to the university through CSU Mentor – www.csumentor.org.
- Official transcripts of all college-level work (from every institution attended). Current HSU students need not request transcripts.
- Three letters of recommendation from university faculty, employers, or professionals who can discuss academic and professional potential. These are completed online via CSU Mentor, page 11 of the application.

Each emphasis maintains different admission requirements and prerequisites. It is essential, therefore, that students contact the Department of Psychology for specific information.

Program Requirements

All three emphases require recommendation by the department for advancement to candidacy and a minimum GPA of 3.0 in all work toward the degree, with no grade lower than a B-. In School Psychology, one grade of C or below in a required course results in probation; two grades of C or below result in dismissal from the program.

Each emphasis requires a separate program of coursework. Contact the Department of Psychology for further information.



RANGELAND RESOURCE SCIENCE

**Bachelor of Science degree
with a major in Rangeland Resource
Science**

**Bachelor of Science degree
with a major in Rangeland Resource
Science** — option in Wildland Soil
Science

Minor in Rangeland Resource Science

Minor in Wildland Soil Science

See *Natural Resources* for information on
the *Master of Science* degree.

Department Chair

K. O. Fulgham, Ph.D.

Department of Forestry & Wildland Resources

Forestry Building 205
707-826-3935, fax 826-5634
www.humboldt.edu/fwr

The Program

Learn to manage rangeland ecosystems
wisely. Study forage, timber, wildlife, recre-
ation, watersheds, and their interrelation-
ships.

Classroom instruction is enhanced by the
university's plant and animal nutrition labo-
ratories. Humboldt also has a range herbar-
ium. Nearby privately owned ranches and
federal lands offer excellent opportunities
for field study.

Potential careers: range conservationist,
biological technician, range manager, envi-
ronmental specialist, agricultural inspec-
tor, lands specialist, soil conservationist
or soil scientist, range consultant, natural
resources specialist, watershed manager,
or ecosystem restoration specialist.

This rangeland resource option meets the
qualifications for "Rangeland Specialist" and
"Soil Conservationist" in federal employment.

Preparation

In high school take courses in biology, chem-
istry, mathematics, and earth sciences.

REQUIREMENTS FOR THE MAJOR

For a description of degree requirements to
be fulfilled in addition to those listed below
for the major, please see "The Bachelor's
Degree" section of the catalog, pp. 58-74,
and "The Master's Degree" section of the
catalog, pp. 75-76.

Complete all courses in the major with a
C- or better.

Lower Division

BIOL 105	(4)	Principles of Biology*
BOT 105	(4)	General Botany*
CHEM 107	(4)	Fundamentals of Chemistry*
GSP 101/GSP 101L	(2/1)	Geospatial Concepts and Lab*
GSP 216	(3)	Intro to Remote Sensing, or
GSP 270	(3)	Intro to GIS
GEOL 109	(4)	General Geology*
PHYX 106	(4)	General Physics*
RRS 285	(1)	Rangeland Resource Seminar
SOIL 260	(3)	Intro to Soil Science
STAT 109	(4)	Introductory Biostatistics*

Upper Division

BOT 310	(4)	General Plant Physiology
BOT 350	(4)	Plant Taxonomy
EMP 305	(3)	Environmental Conflict Resolution*
FOR 315	(3)	Forest Management
GEOL 306	(3)	General Geomorphology*
RRS 306	(3)	Wildland Resource Principles*
RRS 360	(3)	Wildland Plant Communities
RRS 370	(3)	Wildland Ecology Principles
RRS 375	(3)	Vegetation Analysis & Health
RRS 461	(1)	Wildland Resources Capstone
SOIL 360	(3)	Origin & Classification of Soils
SOIL 363	(3)	Wetland Soils
SOIL 460	(3)	Forest & Range Soils Management
WSHD 310	(4)	Hydrology & Watershed Management

Option

RRS 420	(3)	Intro to Animal Science
RRS 430	(3)	Wildland Restoration & Development
RRS 460	(2)	Rangeland & Ranch Planning

The Wildland Soil Science Program

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 habi-
tat, livestock forage, watershed values, and
other ecosystem services.

Courses in this option cover the basic phys-
ical and biological sciences, introductory and
advanced soil science, and soil and 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.

This program meets the qualifications for
"Soil Conservationist" and "Soil Scientist" in
federal employment.

REQUIREMENTS FOR THE WILDLAND SOIL SCIENCE OPTION

Lower Division

Complete all courses in the major with a
C- or better.

BIOL 105	(4)	Principles of Biology*
BOT 105	(4)	General Botany*
CHEM 107	(4)	Fundamentals of Chemistry*
GSP 101/GSP 101L	(2/1)	Geospatial Concepts and Lab *
GSP 216	(3)	Intro to Remote Sensing, or
GSP 270	(3)	Intro to GIS
GEOL 109	(4)	General Geology*
PHYX 106	(4)	College Physics: Mechanics & Heat*
SOIL 260	(3)	Intro to Soil Science
SOIL 285	(1)	Wildland Soils Seminar
STAT 109	(4)	Introductory Biostatistics*

Upper Division

BOT 310	(4)	General Plant Physiology
BOT 350	(4)	Plant Taxonomy
EMP 305	(3)	Environmental Conflict Resolution*

* Course also meets general education
requirements.

FOR 315	(3)	Forest Management
GEOL 306	(3)	Geomorphology*
RRS 306	(3)	Wildland Resource Principles*
RRS 360	(3)	Wildland Plant Communities
RRS 370	(3)	Wildland Ecology Principles
RRS 375	(3)	Vegetation Analysis & Health
SOIL 360	(3)	Origin & Classification of Soils
SOIL 363	(3)	Wetland Soils
SOIL 460	(3)	Forest & Range Soils Management
SOIL 461	(1)	Forest Soils Capstone
SOIL 462	(3)	Soil Fertility
SOIL 465	(3)	Soil Microbiology
SOIL 467	(3)	Soil Physics
WSHD 310	(4)	Hydrology & Watershed Management

* Course also meets general education requirements.

REQUIREMENTS FOR THE MINOR IN RANGELAND RESOURCE SCIENCE

EMP 105	(3)	Natural Resource Conservation*
SOIL 260	(3)	Intro to Soil Science
RRS 306	(3)	Wildland Resource Principles*
RRS 360	(3)	Wildland Plant Communities
RRS 370	(3)	Wildland Ecology Principles
RRS 375	(3)	Vegetation Analysis & Health

REQUIREMENTS FOR THE MINOR IN WILDLAND SOIL SCIENCE

SOIL 260	(3)	Intro to Soil Science
SOIL 360	(3)	Origin & Classification of Soils
SOIL 460	(3)	Forest & Range Soils Management

At least three courses (including one or more with plus signs *) from the following:

GEOL 306	(3)	General Geomorphology*
SOIL 363	(3)	Wetland Soils
SOIL 462	(3)	Soil Fertility*
SOIL 465	(3)	Soil Microbiology*
SOIL 467	(3)	Soil Physics*
SOIL 468	(3)	Intro to Agroforestry
WSHD 310	(4)	Hydrology & Watershed Management, or
WSHD 424	(3)	Watershed Hydrology



RECREATION ADMINISTRATION [LIBERAL STUDIES]

**Bachelor of Arts degree
with a major in Liberal Studies –
Recreation Administration**

Minor in Recreation Administration

Program Leader

Chris Hopper, Ph.D.

Department of Kinesiology & Recreation Administration

Kinesiology & Athletics 305

707-826-4538

www.humboldt.edu/kra

The Program

Students completing this program will have demonstrated:

- comprehensive knowledge of leisure program planning, implementation, and evaluation
- ability to work with and serve diverse populations in a variety of service environments
- display and application of contemporary management and administration styles, approaches, practices, and procedures
- in-depth knowledge, skills, and abilities necessary for quality professional performance in the Recreation Administration option areas of Tourism Management, Outdoor Adventure Recreation, or Self-Designed.

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 taken in the summer through Extended Education.

Organizations employing recreation administration graduates include: community parks, volunteer agencies, corporate wellness programs, college recreation programs, commercial recreation centers, therapeutic recreation programs, and outdoor education programs.

REQUIREMENTS FOR THE MAJOR

For a description of degree requirements to be fulfilled in addition to those listed below for the major, please see "The Bachelor's Degree" section of the catalog, pp. 58-74.

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).

Definition

- REC 200 (3) Leisure in Society
REC 210 (3) Recreation Leadership

Developmental Stage

- REC 220 (3) Leisure Programming
REC 302 (3) Inclusive Recreation
REC 320 (3) Organization,
Administration,
& Facility Planning
REC 420 (3) Legal & Financial Aspects
of Recreation

Culminatory Stage

- REC 482 (2-7) Internship in Recreation
REC 485 (3) Senior Seminar

OPTIONS

Outdoor Adventure Recreation

- REC 330 (3) Adventure Theory
& Practice
REC 345 (3) Environmental Education
REC 370 (3) Outdoor Adventure Rec
REC 375 (2) Winter Adventure
Leadership
REC 435 (3) Geotourism

Tourism Management

- REC 335 (3) Tourism Planning
& Development
REC 365 (3) Travel Industry Mgmt.
REC 435 (3) Geotourism
REC 370 (3) Outdoor Adventure Rec
REC 330 (3) Adventure Theory
& Practice, **or**
REC 345 (3) Environmental Education

Self-Designed

Students may design their own concentration with a minimum of 14 units of thematic upper-division coursework; at least six units must be in recreation administration (REC) courses. The self-designed concentration must be approved by two members of the Recreation Administration faculty.

BUSINESS MINOR / MINOR FIELD OF STUDY

Minor (18 units — obtain requirements from the School of Business)

OR

A minimum of 12 units of business and/or economics advisor-approved coursework. Eight units must be upper division.

REQUIREMENTS FOR THE MINOR IN RECREATION ADMINISTRATION

- REC 200 (3) Leisure in Society
REC 210 (3) Recreation Leadership
REC 220 (3) Leisure Programming
REC 302 (3) Inclusive Recreation
REC 320 (3) Organization,
Administration,
& Facility Planning
REC 420 (3) Legal & Financial Aspects
of Recreation



RELIGIOUS STUDIES

Bachelor of Arts degree with a major in Religious Studies

Minor in Religious Studies

Department Chair

Rosemary Sherriff, Ph.D.

Religious Studies Department

Founders Hall 109

707-826-4126, fax 826-3205

www.humboldt.edu/religiousstudies

The Program

Students completing this program will have demonstrated:

- authentic decision-making as they determine for themselves matters concerning belief, practice, values, meaning, and purpose in their lives
- understanding of religious traditions, sacred texts, comparative methodologies, and experiential awareness from within the phenomenological approach to the world's religions
- mastery of phenomenological approaches to the understanding of religious and cultural variation
- sound patterns and/or awareness of professional behavior in such matters as time management, comportment, grooming, courtesy, attendance, completion of work assignments, and the ability to follow directions.

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-politico-religious similarities and differences in world cultures.

The religious studies major at Humboldt State University 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 MAJOR

For a description of degree requirements to be fulfilled in addition to those listed below for the major, please see "The Bachelor's Degree" section of the catalog, pp. 58-74.

Introduction

- RS 105 (3) World Religions
RS 120 (3) Exploring Religion

Religion In Tradition

Five courses from the following:

- RS 107 (3) Religion in America
RS 320 (3) Sacred Texts: Hebrew Bible
RS 321 (3) Sacred Texts: New Testament
RS 322 (4) Sacred Texts: Buddhist Texts
RS 323 (4) Sacred Texts: Hindu Texts
RS 330 (3) Introduction to Judaism
RS 331 (3) Introduction to Christianity
RS 332 (3) Introduction to Islam
RS 340 (3) Zen, Dharma & Tao
RS 341 (3) Spiritual Traditions of India
RS 342 (3) Buddhism in India & Tibet
RS 345 (3) T'ai Chi Ch'üan (Taijiquan)
RS 351 (3) Shamanism and Prophecy
RS 391 (3) Religion in Tradition: Special Topics
RS 392 (3) Sacred Literature: Special Topics

Religion In Myth, Culture & Experience

Take nine units from the courses listed below, including at least one experiential workshop. No more than three units from experiential workshops.

- RS 300 (3) Living Myths
RS 360 (3) Religion & Psychology
RS 361 (3) Consumerism & (Eco)Spirituality
RS 362 (3) Wisdom & Craft
RS 364 (3) Cinema & the Sacred
RS 393 (3) Religion in Myth, Culture & Experience: Special Topics
RS 394 (1-3) Religious Studies Workshop
RS 394 (1-3) Sufi Mysticism Weekend

- RS 394 (1-3) Jewish Spirituality Weekend
RS 394 (1-3) Eastern Orthodox Christianity Weekend
RS 394 (1-3) City of 10,000 Buddhas Weekend
RS 394 (1-3) Evangelical Christianity Experiential Weekend
RS 394 (1-3) Tibetan Buddhism Weekend
RS 394 (1-3) Finding Meaning on an Endangered Planet
NAS 302 (3) Oral Literature & Oral Tradition

Senior Seminar

- RS 395 (3) Senior Seminar

27 units must be completed in the major prior to enrollment in Senior Seminar.

REQUIREMENTS FOR THE MINOR

18 units, drawn from courses for the major:

Introduction

- RS 105 (3) World Religions
RS 120 (3) Exploring Religion

Religion In Tradition

Three courses from Religion in Tradition courses, listed under the major requirements.

Religion In Myth, Culture & Experience

Three units from Religion in Myth, Culture & Experience courses, listed under the major requirements.



SCIENTIFIC DIVING MINOR

Minor in Scientific Diving

Advisor

Richard Alvarez

Department of Kinesiology & Recreation Administration

Kinesiology & Athletics 310
707-826-4539
www.humboldt.edu/kra

The Program

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 Humboldt State University, 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 HSU 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 PE 282 (DAN Oxygen Provider Certification).

REQUIREMENTS FOR THE MINOR

13 units:

- | | |
|---------|---|
| PE 262 | (4) Beginning SCUBA |
| PE 282 | (1) DAN Oxygen Provider Certification
[required every two years] |
| PE 362 | (4) Advanced SCUBA |
| PE 471 | (3) Scientific Diving |
| HED 120 | (1) Responding to Emergencies —CPRFPR
[required every two years] |



SOCIAL ADVOCACY MINOR

Minor in Social Advocacy

Advisor

Laura Hahn, Ph.D.
Telonicher House, Room 102
707-826-3948
www.humboldt.edu/communication

The Program

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 effected 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

Core

Nine units:

- | | |
|----------|---------------------------------------|
| JMC 323 | (3) Public Relations |
| COMM 315 | (4) Communication & Social Advocacy |
| COMM 416 | (3) Social Advocacy Theory & Practice |

Culminating Experience

Two or more units by advisement. For example: COMM 495, JMC 338, PSCI 471, or other internship/service learning courses.

Electives

Six units by advisement. Suggested:

- | | |
|-------------------|---|
| JMC 429 | (3) Advanced Public Relations |
| PHIL 302 | (3) Environmental Ethics |
| PSCI 316 | (4) Public Administration |
| PSCI 358 | (4) Political Advocacy |
| COMM 214 | (3) Persuasive Speaking |
| COMM 309B/WS 309B | (3) Gender & Communication |
| COMM 404 | (4) Theories of Communication Influence |
| SOC 475 | (4) Community Organizing |
| TA 307 | (3) Theatre of the Oppressed |
| WS 480 | (1-5) Lobbying Women's Issues |



SOCIAL SCIENCE

Bachelor of Arts degree

see History / SSSE major track

Master of Arts degree

in Social Science — with an option in Environment & Community

MA Graduate Coordinator

Mark Baker, Ph.D.
Founders Hall 140
707-826-3907
www.humboldt.edu/envcomm

Program Faculty

Mark Baker, *Politics*
Joice Chang, *Politics*
Matthew Derrick, *Geography*
Yvonne Everett, *Env. Science & Mgmt.*
Kevin Fingerma, *Env. Science & Mgmt.*
Gregg Gold, *Psychology*
Steven Hackett, *Economics*
Nikola Hobbel, *English*
Arne Jacobson, *Env. Res Engineering*
Matt Johnson, *Wildlife*
Erin Kelly, *Forestry & Wildland Resources*
John Meyer, *Politics*
Sarah Ray, *Environmental Studies*
Laurie Richmond, *Env. Science & Mgmt.*
Maxwell Schnurer, *Communication*
Marlon Sherman, *Native American Studies*
Tony Silvaggio, *Sociology*
Jessica Urban, *Critical Race, Gender & Sexuality Studies (CRGS)*
Betsy Watson, *Sociology*
Noah Zerbe, *Politics*

The Program

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.

Environment & Community: 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 Ecological 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.

REQUIREMENTS FOR THE MASTER'S DEGREE

Candidate Admission

- Completed BA or BS degree
- GPA not less than 3.0 in the last 60 units of college coursework
- Three letters of recommendation
- Candidate essay describing goals and interests
- Ten-page writing sample
- Graduate coordinator approval after faculty committee review of application file

Course Requirements

- One three-unit proseminar, EC 610 Environment & Community Research, to be taken during the first semester in the program.
- One three-unit research methods elective, chosen from an approved list, to be completed no later than the third semester.
- One-unit graduate colloquium, EC 615, for three semesters.
- One additional course at the graduate or upper-division undergraduate level from a list of elective options approved by the graduate coordinator.

- Six units of master's thesis or master's project, EC 690.
- Three units of field research or independent study, EC 695.
- 15 units of graduate seminars developed specifically for this program. Students take at least one seminar from each of the following three curriculum areas. Seminars are developed by the advisory committee comprised of program faculty.

Curriculum Areas:

Economic & Political Dimensions (EC 620) (some topics below), Dispute Resolution (SOC 535), or Energy, Environment, and Society (ENGR 532)

- Politics of Sustainability
- Globalism, Capitalism, and Environment
- Political Ecology
- Environmental (In)security

Socio-Cultural Dimensions: Race, Class, Gender and Place (EC 630) (some topics below)

- Environmental Justice
- Community and Place
- Klamath River Issues

Ecological Dimensions (EC 640) (some topics below)

- Ecosystems and Society
- Conservation Ecology and Society

Total units required: 36



SOCIAL WORK

**Bachelor of Arts degree
with a major in Social Work**
On campus and online options

Master's Degree in Social Work (MSW)
Full-time on campus and part-time
online options

Stipend Programs

- California Social Work Education Center Title IV-E Child Welfare Training Program - MSW
- California Social Work Education Center Title IV-E Child Welfare Training Program - BSW
- California Social Work Education Center Mental Health Educational Stipend Program - MSW

Department Chair

Ronnie Swartz, M.S.W., Ph.D.
www.humboldt.edu/socialwork

Bachelor of Arts in Social Work Office
Behavioral & Social Sciences 514
707-826-4448

Master of Social Work Office
Behavioral & Social Sciences 510
707-826-4443

BA PROGRAM

Humboldt's BA program recognizes specific social work competencies and practice behaviors as the framework for social work education. These are noted on the BA Program website at www.humboldt.edu/bsw.

Students completing this program will have demonstrated the ability to:

- identify as a professional social worker and conduct oneself accordingly
- apply social work ethical principles to guide professional practice
- apply critical thinking to inform and communicate professional judgments
- engage diversity and difference in practice
- advance human rights and social and economic justice
- engage in research-informed practice and practice-informed research
- apply knowledge of human behavior and the social environment
- engage in policy practice to advance social and economic well-being and to deliver effective social work services
- respond to contexts that shape practice

- engage, assess, intervene, and evaluate with individuals, families, groups, organizations, and communities.

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. Program emphases are on utilizing community resources and providing service intervention in 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.

Admission to the BA Program

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 2.0 GPA and a 2.0 in all social work courses is necessary to be fully accepted to the program.

Students who meet the prerequisites need to submit a "Social Work Major Application Form" with a personal statement to the department. **Applications to begin the fall sequence of courses are due no later than the last Friday in January. Applications received after this date may not be reviewed in time for placement in the appropriate major courses. Notification of acceptance will be made prior to the registration period for fall classes. Please note that all accepted students will be required to attend a two day on campus 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 BA

For a description of degree requirements to be fulfilled in addition to those listed below for the major, please see "The Bachelor's Degree" section of the catalog, pp. 58-74, and "The Master's Degree" section of the catalog, pp. 75-76.

Course Sequencing

Beyond GE courses, 47 core units are required for the major. Courses prepare students for professional generalist social work and are sequenced to best facilitate learning and acquisition of skills. *Major coursework (300-level) always begins in Fall.*

Prerequisite courses for acceptance to the Social Work BA Major:

- NAS 104 (3) Introduction to Native American Studies, **or**
- ES 105 (3) Introduction to Ethnic Studies
- PSYC 104 (3) Intro to Psychology
- SOC 104 (3) Intro to Sociology

- STAT 106 (3) Intro to Statistics for the Health Sciences, **or**
- STAT 108 (4) Elementary Statistics, **or**
- PSYC 241* (4) Psychological Statistics
- HIST 110 (3) US History to 1877, **or**
- HIST 111 (3) US History from 1877, **or**
- NAS 200 (3) Indigenous Peoples in US History
- PSCI 110 (3) American Government
- SW 104 (3) Intro to Social Work & Social Work Institutions
- SW 255* (2) Beginning Social Work Experience

* These courses do not satisfy GE requirements.

Core Program

Juniors — Fall

- SW 340 (3) Social Work Methods I
- SW 340L (1) Social Work Methods I Lab
- SW 350 (4) Human Behavior & the Social Environment I
- SW 355 (2) Social Agency Experience [may be taken in spring or fall]
- SW 382 (4) Social Work Research

Juniors — Spring

- SW 330 (4) Social Work Policy
- SW 341 (3) Social Work Methods II
- SW 341M (1) Social Work Methods II Lab
- SW 351 (4) Human Behavior & the Social Environment II
- SW 355 (2) Social Agency Experience [may be taken in fall or spring]
- SW 356 (1) Social Work Field Preparation

Seniors — Fall

- SW 455 (5) Field Experience
- SW 456 (2) Field Experience Seminar
- Three units of advanced social work methods courses (see below).

Seniors — Spring

- SW 455 (5) Field Experience
- SW 456 (2) Field Experience Seminar
- Three units of advanced social work methods courses (see below).

Advanced Social Work Methods Courses

Six units of advanced social work methods courses are to be taken in the senior year. Courses include: SW 411, SW 431, SW 442, SW 480, and SW 499.

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.

MSW PROGRAM

Humboldt's MSW program recognizes specific social work competencies and practice behaviors as the framework for social work education. These are noted on the Program website at www.humboldt.edu/msw.

Students completing this program will have demonstrated the ability to:

- identify as a professional social worker and conduct oneself accordingly
- apply social work ethical principles to guide professional practice
- apply critical thinking to inform and communicate professional judgments
- engage diversity and difference in practice
- advance human rights and social and economic justice
- engage in research-informed practice and practice-informed research
- apply knowledge of human behavior and the social environment
- engage in policy practice to advance social and economic well-being and to deliver effective social work services
- respond to contexts that shape practice
- engage, assess, intervene, and evaluate with individuals, families, groups, organizations, and communities.

Admission to the MSW Program

You must complete the following requirements before being considered for admission:

- Baccalaureate degree from an accredited four-year liberal arts institution.
- GPA of 3.0 or better on a 4.0 scale for the last 60 hours of academic coursework.
- 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.

- Complete California State University (Humboldt Campus) Graduate Admissions application and submit to the Office of Admissions.

- Complete MSW Application Packet and submit to HSU Social Work Department, Master's Program.

Consult the program website for additional information: www.humboldt.edu/msw.

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 eLearning and Extended Education 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 eLearning and Extended Education. 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 MSW

Foundation Coursework

- SW 530 (3) Social Policy & Services
- SW 540 (3) Generalist Social Work Practice
- SW 541 (3) GSWP: Native American & Rural
- SW 543 (3) GSWP II: Macro Practice
- SW 550 (3) Human Development, Diversity & Relationships
- SW 555 (6) Foundation Internship
- SW 570 (3) Dynamics of Groups, Agencies, Organizations
- SW 582 (3) Research I: Philosophy & Methods
- SW 583 (3) Research II: Data Analysis & Evaluation

Advanced Coursework

- SW 640 (3) AGP: Child & Family Welfare
- SW 641 (3) AGP: Integrated Clinical Practice
- SW 643 (3) AGP: Community & Organization
- SW 648 (3) AGP: Adv. Clinical Practice
- SW 649 (3) AGP: Wellness & Sustainability
- SW 651 (3) AGP: Indigenous Peoples
- SW 655 (6) Advanced Internship
- SW 682 (3) Masters Project Development
- SW 683 (3) Masters Project Implementation

Culminating Experience

Prior to graduation students must successfully complete a Master's Project.



SOCIOLOGY

Bachelor of Arts degree with a major in Sociology

Minor in Sociology

Master of Arts degree in Sociology

Public Sociology,
Ecological Justice and Action

Department of Sociology

Behavioral & Social Sciences 506
707-826-3139 or 707-826-4124
www.humboldt.edu/sociology

Affiliated Research Institutes

Altruistic Personality and Prosocial
Behavior Institute

California Center for Rural Policy (CCRP)

Center for Applied Social Analysis and
Education (CASAE)

Humboldt Institute for Interdisciplinary
Marijuana Research (HIIMR)

Humboldt Journal of Social Relations (HJSR)

Department Chair

Jennifer Eichstedt, Ph.D.

Graduate Coordinator

Meredith Williams, Ph.D.

THE BA PROGRAM

Students completing this program will have demonstrated:

- the ability to think critically about social justice efforts and inequalities in communities and environments
- a solid foundation in sociological theory
- the ability to make linkages between empirical data and theoretical concepts
- development of appropriate research designs and instruments to answer sociological questions
- application of appropriate techniques to the analysis and presentation of data
- the ability to communicate effectively orally and in writing.

Sociology students find an active and supportive departmental culture that surrounds coursework in sociological theory, methods, and current social issues. Department faculty members have a strong commitment to social justice that shapes course offerings and content. Students prepare themselves for sociology-related careers as well as graduate studies. Service learning is integrated into the curriculum through the social problems course that includes volunteering with local community-based organizations.

The Sociology Student Association creates additional opportunities for students to connect with each other, faculty, and local community organizations. Because of the breadth, adaptability, and practical applications of Sociology, students with a BA in Sociology choose to work in many different sectors: non-profit, private business, social services, education, health services, public relations, criminal justice, and government.

Preparation

In high school take math, writing and social science courses (history, psychology, sociology).

REQUIREMENTS FOR THE BACHELOR'S DEGREE

For a description of degree requirements to be fulfilled in addition to those listed below for the major, please see "The Bachelor's Degree" section of the catalog, pp. 58-74, and "The Master's Degree" section of the catalog, pp. 75-76.

Core Requirements

SOC 104	(3)	Introduction to Sociology
STAT 108	(4)	Elementary Statistics
SOC 201S	(4)	Social Issues & Action**
SOC 282L	(1)	Sociological Statistics Lab
SOC 303/SOC 303M	(3/1)	Race and Inequality**
SOC 310	(4)	Sociological Theory
SOC 372	(1)	Proseminar
SOC 382	(4)	Intro to Social Research
SOC 410	(4)	Contemporary Theory

Knowledge Based Requirements

Choose four courses with at least one from each category.

Inequalities and Change

SOC 305/SOC 305M	(3/1)	Modern World Systems*
SOC 316	(4)	Gender and Society*
SOC 345	(4)	New Media & Society
SOC 350	(4)	Social Movements
SOC 480	(1-4)	Special Topics

Environment

SOC 302/SOC 302M	(3/1)	Forests & Culture*
SOC 320	(4)	Social Ecology
SOC 363	(4)	Environmental Crime
SOC 370	(4)	Environmental Inequality & Globalization
SOC 480	(1-4)	Special Topics

Communities and Identity

SOC 306/SOC 306M	(3/1)	Changing Family**
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SOC 308/SOC 308M (3/1) Sociology of Altruism & Compassion*

SOC 330	(4)	Social Deviance
SOC 411	(4)	Popular Culture
SOC 475	(4)	Community Organizing
SOC 480	(1-4)	Special Topics

Capstone

SOC 482	(3)	Internship, or
SOC 492	(3)	Senior Thesis

Undergraduate sociology students must earn a "C" or better in all courses taken to satisfy the requirements of the degree. Total major unit requirement: 47-48.

- No more than 8 units of upper division SOC courses that have GE designations (*) can be counted toward your major. Students may request that a Sociology course not listed above be approved to count in one of the above knowledge areas.
- 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- to 48-unit major requirement with the following exception: Workshop units may be used to "make up" 1-2 units that a student may be short after transferring 3-unit courses from another college or university.

REQUIREMENTS FOR THE MINOR

SOC 201S	(4)	Social Issues & Action**
SOC 382	(4)	Intro to Social Research

Plus twelve units of upper division sociology coursework. No more than one elective for your minor may be a sociology course with general education designation (*), and must be taken for 4 units.

Students must earn a "C" or better in all sociology courses taken to satisfy the requirements of the minor. To best meet student interests, minor electives should be selected in consultation with a sociology faculty member. Total minor unit requirement: 20.

- * General Education, Area D
- ** Service Learning Component
- + Diversity & Common Ground

THE SOCIOLOGY MA PROGRAM

Students completing this program will have demonstrated:

- a solid foundation in sociological theory
- a solid foundation in sociological methods
- professional socialization, including an understanding of ethical issues
- hands-on experience in either Public Sociology or Teaching Sociology.

Public Sociology, Ecological Justice and Action

The Master's Program in Sociology fosters a network of students, faculty, staff, alumni and community members who are committed to public sociology, ecological justice and action. Public Sociology represents work that takes sociological knowledge and skills beyond the confines of the academy into the communities where these resources are much needed. Whether speaking to girls and boys about media, gender, and violence or consulting with a non-profit on a community survey on corporatization and locally owned business, the work of our faculty and students is tightly interwoven with our local communities.

The concept of ecological justice emphasizes a holistic understanding of the relationships between people and built and "natural" systems, as well as the social implications of particular structures and relationships. Race, class, gender, and nation 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. Yet, action represents for us a particular type of Public Sociology — we understand action as social change work that draws heavily on knowledge of social movements, community organizing, and conflict resolution as particular plans are strategized, implemented, and evaluated.

Our MA students choose an experience emphasis in either Public 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 ecological justice, as well as knowledge and skills for social action. Students emphasizing Public Sociology choose to specialize in either program evaluation or community action. Sociology faculty members, along with the Sociology and CJS Community Advisory Board, cultivate a range of field placement

opportunities for students emphasizing Public Sociology. Students develop their specialization by drawing on coursework, carefully selecting a field placement and working with faculty mentors. The Teaching Sociology emphasis introduces students to pedagogy and theories of learning, while providing experience with college classroom teaching. Students explore issues unique to Sociology classrooms, while developing approaches effective for education across multiple settings.

The emphasis in Public Sociology prepares students for professional positions in research, business, government and non-profits organizations. The emphasis in Teaching Sociology prepares students for community college and other education-related professional positions. Either emphasis is appropriate for students who wish to continue their graduate study in a Ph.D. program.

REQUIREMENTS FOR THE MASTER'S DEGREE

Common Coursework (20 units)

SOC 583	(4)	Quantitative Research Methods
SOC 584	(4)	Qualitative Research Methods
SOC 610	(4)	Contemporary Social Theory
SOC 650	(4)	Race, Ethnicity & Gender
SOC 680	(4)	Public Sociology, Ecology & Action

Social Action Electives (4 units)

*Select one of the following *:*

SOC 350	(4)	Social Movements
SOC 475	(4)	Community Organizing
SOC 535	(4)	Dispute Resolution

* Other courses that are social action oriented and experience based may be approved by the Graduate Coordinator.

Area Seminar Electives (4 units)

*Select one of the following *:*

SOC 530	(4)	Individual & Society
SOC 550	(4)	Social Structure & Inequality

Experience Emphasis Coursework Electives (4 units total)

SOC 590	(1)	Practicing Sociology (enroll in one unit each semester)
or		
SOC 560	(2)	Teaching Sociology, and
SOC 595	(2)	Teaching Assistantship

Thesis or Project (6 units)

SOC 690 (1-5) Master's Degree Thesis, **or**
SOC 692 (1-5) Master's Degree Project

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 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 Public Sociology should enroll in thesis or project units concurrently with their field placements (see below).

Grade and Progress Requirements

Students must earn a "B" (3.0) or better in all courses taken to satisfy the requirements of the degree. 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 MA DEGREE INFORMATION

Field Site Placement Requirements

Students emphasizing Public 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, as well as provide them with experience in either program evaluation or community action.

Teaching Assistantship

Students emphasizing Teaching Sociology are required to complete at least one teaching assistantship and encouraged to participate in more. Participation in a teaching assistantship requires prior or concurrent enrollment in SOC 560 Teaching Sociology. A student must enroll in SOC 595 Teaching Assistantship (2 units) each time the student accepts a teaching assistantship. Only one teaching assistantship counts toward the 38 units required for the degree.

Teaching Internship (optional)

Students may apply for a Teaching Internship. Positions are reserved for only the very strongest of new teachers with evidence for readiness to teach their own class. A student may enroll in SOC 682 Teaching Internship units. The units do not count toward the 38-unit degree requirements for the MA in Sociology.

Plans of Study Submission Including Committee Identification *(Semester Two)*

After completing one semester of coursework (preferably early in the second semester of coursework), 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.

Advancement to Candidacy Application *(Semester Three)*

Usually near the end of the third semester or early fourth semester in the program, students submit their applications for candidacy. 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.

To help you plan your MA in Sociology, please see the "Graduate Program Manual" on the sociology website.

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 one unit of thesis or project work every semester (fall and spring) until work is complete and each committee member has provided written 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).

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 and/or take SOC 683 Advanced Research Training (4 units).

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 (4) Sociological Theory
- SOC 382 (4) Intro to Social Research
- SOC 410 (4) Contemporary Social Theory
- STAT 108 (4) Elementary Statistics



SPANISH

Bachelor of Arts degree with a major in Spanish

Minor in Spanish

Department Chair

Rosamel S. Benavides-Garb, Ph.D.

Program Director

Lilianet Brintrup, Ph.D.

Department of World Languages & Cultures

Behavioral & Social Sciences 206
707-826-3226, fax 826-4320
www.humboldt.edu/wlc

The Program

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.

Certified Education Program

This program is certified by the California Commission on Teacher Credentialing (CTC). Therefore, this program also prepares graduates to teach Spanish in junior high and high school. 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. (For complete information on the secondary education credential program, see Education.)

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.

Preparation

A good background in English grammar and syntax is desirable. Previous Spanish study is welcome but not required.

REQUIREMENTS FOR THE MAJOR

For a description of degree requirements to be fulfilled in addition to those listed below for the major, please see "The Bachelor's Degree" section of the catalog, pp. 58-74.

49 upper division units, at least 12 to be completed at the Humboldt campus. Degree requirements listed here do not include professional education courses required for the credential program.

Core Courses: 26 units

- SPAN 310 (3) Spanish Advanced Oral Skills
SPAN 311 (4) Spanish Level V, Advanced Grammar & Composition
SPAN 340 (4) Introduction to the Analysis of Hispanic Literature
SPAN 401 (4) Hispanic Civilization: Spain
SPAN 402 (4) Hispanic Civilization: Latin America
SPAN 435 (4) Spanish Applied Linguistics
SPAN 492 (3) Senior Project

One course from each of the following pairs: 16 units

- SPAN 342 (4) Cervantes, **or**
SPAN 343 (4) The Golden Age
SPAN 344 (4) Modern Hispanic Theater Workshop, **or**
SPAN 345 (4) Hispanic Cinema
SPAN 346 (4) Borges and the Contemporary Spanish American Short Story, **or**
SPAN 348 (4) Contemporary Hispanic Poetry
SPAN 347 (4) The "Boom" of the Latin American Novel, **or**
SPAN 349 (4) Contemporary Spanish Novel

Elective Units: 7 units

Take a minimum of seven upper division elective units 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. Program must be selected in consultation with and approved by the major advisor.

Residency abroad 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 Humboldt State University.

Cost of residency abroad varies according to program and world region. Be sure to understand the costs involved and plan ahead. Consult with the HSU Center for International Programs office.

Students are encouraged to efficiently plan the academic residency abroad requirement to complete, when possible, university general education requirements too.

Under exceptional circumstances the residency abroad requirement can be waived by the major advisor.

REQUIREMENTS FOR THE MINOR

28 units, including:

Core Courses: 23 units

- SPAN 106 (4) Spanish Language & Culture II
SPAN 107 (4) Spanish Language & Culture III, **or**
SPAN 108 (4) Level III Heritage Speakers, **or**
SPAN 108S (4) Level III Heritage Speakers [Service Learning]
SPAN 207 (4) Spanish Language & Culture IV, **or**
SPAN 208 (4) Level IV Heritage Speakers, **or**
SPAN 208S (4) Level IV Heritage Speakers [Service Learning]
SPAN 310 (3) Spanish Advanced Oral Skills
SPAN 311 (4) Spanish Level V, Advanced Grammar & Composition
SPAN 340 (4) Intro to the Analysis of Hispanic Literature

Elective Units: 5 units

Take a minimum of 5 upper division elective units from the SPAN 300/400 series.

THEATRE ARTS

Bachelor of Arts degree with a major in Theatre Arts

Minor in Theatre Arts

See also sections in the catalog on *Dance, Dance Studies, and Film*.

Department Chair

Margaret Kelso, MFA

Department of Theatre, Film & Dance

Theatre Arts Building 20

707-826-3566

www.humboldt.edu/theatrefilmanddance

The Program

Students completing this program will have demonstrated:

- appropriate use of foundational vocabulary and knowledge of history in effective written work
- application of fundamental concepts of theatre performance, design, and technology through class projects and exams
- use of theatre knowledge to analyze projects and appropriately contribute to theatre productions
- evaluation of their own and others; project oriented work and productions
- creation of new designs, scripts, interpretations, and solutions as demonstrated through classroom and outside projects
- the ability to apply principles of effective communication and collaboration as demonstrated in course work and productions.

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 aims to provide a solid and broad foundation of knowledge, skills, and hands-on practice, while allowing concentration in either performance or design/technology. Fourteen core units are shared with the film major, exploring 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 other 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.

REQUIREMENTS FOR THE MAJOR

For a description of degree requirements to be fulfilled in addition to those listed below for the major, please see "The Bachelor's Degree" section of the catalog, pp. 58-74.

A minimum grade of C- is required for all courses in the major.

F=offered fall only; S=spring only; A=offered alternate years as funding permits

Core Curriculum [38 units]

TA 104	(4)	Story Through Word & Image [F] (Satisfies lower division GE.)
TA 137	(4)	Production Techniques [F]
TA 230	(4)	Theatre & Film Aesthetics [S]
TA 240	(4)	Theatre History I [FA]
TA 241	(4)	Theatre History II [SA]
TA 251	(4)	Directing/Performance Workshop [FA]
TA 448	(4)	Critical Analysis Stage & Film [S]
TA 494	(2)	Senior Seminar [F]

4 units from at least two of the following:

TA 326	(1)	Performance Practicum [FS]
TA 327	(1)	Pre-Production Practicum [FS]
TA 328	(1)	Production Practicum [FS]

One of the following:

TA 331	(4)	Scenic Design & Art Direction [FSA], or
TA 333	(4)	Lighting Design Stage & Screen [FSA], or
TA 336	(4)	Costume Design Stage & Screen [FSA]

Students also select one of two 14-unit options: 1) Performance or 2) Design and Technology.

Performance Option [14 units]

TA 108	(3)	Movement/Voice for Performers [S]
TA 121	(2)	Makeup for Stage & Screen [FA]

9 units from the following:

TA 315	(4)	Acting Styles [F]
TA 415	(4)	Adv. Studies in Acting [S]
TA 480	[1-4]	Special Topics in Theatre Arts (Topics in Performance Studies as available.)

Design & Technology Option [14 units]

14 units from the following:

TA 121	(2)	Makeup for Stage & Screen [FA]
TA 331	(4)	Scenic Design & Art Direction [FSA]
TA 333	(4)	Lighting Design Stage & Screen [FSA]
TA 336	(4)	Costume Design Stage & Screen [FSA]
TA 431	(2-4)	Scene Design Tech. [FSA]
TA 433	(2-4)	Lighting Design Tech. [FSA]
TA 436	(2-4)	Costume Design Tech. [FSA]
TA 480	(1-4)	Special Topics in Theatre Arts (Topics in Design & Technology as available.)

REQUIREMENTS FOR THE MINOR

A minor requires a minimum of 15 units, with a minimum of 6 upper division units. All students must take four units of either TA 240 or TA 241 plus at least one, but no more than three units (counting toward the minor), of TA 326, TA 327, or TA 328. Students can focus on either performance or design and technology. Students should contact a departmental advisor to individualize their program.



WATER RESOURCE POLICY MINOR

Minor in Water Resource Policy

Advisor

Mark Baker
Founders Hall 140
707-826-3907
J.Mark.Baker@humboldt.edu

Department of Politics

Founders Hall 180
707-826-4494

The Program

Before beginning, make an appointment with the advisor. After completing two courses, file a program plan.

Students find this background helpful for careers with public and private agencies, non-profit organizations, and the private sector.

Requirements for the minor: eighteen units, composed of at least two courses from each of the following three categories.

REQUIREMENTS FOR THE MINOR

Policy/Political Process

Two courses from the following:

EMP 325 (3) Environmental Law and Regulation

EMP 425 (3) Environmental Impact Assessment, or

ENGR 410 (3) Environmental Impact Assessment
[Prereq: ENGR 313, ENGR 351 or ENGR 350, ENGR 440]

ENVS 220 (3) Intro to Environmental Policy

PSCI 317 (1-4) Topics in Public Policy
[as approved by minor advisor]

Water Resources – Social Aspects

Two courses from the following:

NAS 366 (3) Tribal Water Rights

PSCI 352 (4) Water Politics

PSCI 365/GEOG 365 (4) Political Ecology

ECON 423 (3) Environmental & Natural Resource Economics

Water Resources – Physical Aspects

Two courses from the following:

WSHD 333 (3) Wildland Water Quality

[Prereq: CHEM 107 or consent of instructor]

WSHD 310 (4) Hydrology & Watershed Management

FISH 320 (3) Limnology

FISH 476 (3) Ecology of Running Waters

[Prereq: BIOL 105 or IA]

GEOG 473 (1-4) Topics in Advanced

Physical Geography

[when offered as Global

Water Resources (3 units)]

or other appropriate courses as approved by minor advisor



WATERSHED MANAGEMENT MINOR

Minor in Watershed Management

See *Natural Resources* for information on the Master of Science degree with an option in Watershed Management.

Advisor

Andrew Stubblefield
Forestry Building 212
707-826-3258
Andrew.Stubblefield@humboldt.edu

Department of Forestry and Wildland Resources

Forestry Building 205
707-826-3935, fax 707-826-5634
www.humboldt.edu/fwr

The Program

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.

Visit our webpage at:
www.humboldt.edu/fwr

REQUIREMENTS FOR THE MINOR

SOIL 260 (3) Intro to Soil Science

WSHD 310 (4) Hydrology & Watershed Management

Plus one of the following two courses:

GEOG 306 (3) General Geomorphology

SOIL 360 (3) Origin & Classification of Soils

Plus one of the following two courses:

WSHD 424 (3) Watershed Hydrology

WSHD 458 (3) Climate Change & Land Use



WILDLIFE

Bachelor of Science degree

with a major in Wildlife — options in Wildlife Management & Conservation, Conservation Biology/Applied Vertebrate Ecology

Minor in Wildlife

See *Natural Resources* for information on the *Master of Science degree with an option in Wildlife*.

Department Chair

Micaela Gunther, Ph.D.

Department of Wildlife

Wildlife & Fisheries Building 220
707-826-3953
www.humboldt.edu/wildlife

The Program

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.

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 MAJOR

For a description of degree requirements to be fulfilled in addition to those listed below for the major, please see "The Bachelor's Degree" section of the catalog, pp. 58-74, and "The Master's Degree" section of the catalog, pp. 75-76.

Option 1

Wildlife Management & Conservation

Lower Division

Life Sciences

- BIOL 105 (4) Principles of Biology
BOT 105 (4) General Botany
ZOOL 110 (4) Introductory Zoology

Physical Sciences

- CHEM 107 (4) Fundamentals of Chemistry

One of the following:

- CHEM 110 (5) General Chemistry II
CHEM 328 (4) Brief Organic Chemistry
PHYX 106 (4) College Physics: Mechanics & Heat

- SOIL 260 (3) Intro to Soil Science

Mathematics

- MATH 115 (4) Algebra & Elementary Functions
STAT 109 (4) Introductory Biostatistics

Conservation, Policy & Administration

- WLDF 210 (3) Introduction to Wildlife Conservation and Administration
WLDF 244 (1) Wildlife Policy & Animal Welfare

Upper Division

- BOT 330 (2) Plant Ecology (lecture only)
BOT 350 (4) Plant Taxonomy
WLDF 301 (3) Principles of Wildlife Mgmt.
WLDF 302/PHIL 302 (3) Environmental Ethics, **or**
WLDF 309 (3) Case Studies in Environmental Ethics, **or**
EMP 425 (3) Environmental Impact Assessment
WLDF 311 (4) Wildlife Techniques
WLDF 365 (3) Ornithology I
ZOOL 356 (3) Mammalogy

- ZOOL 354 (4) Herpetology, **or**
FISH 310 (4) Ichthyology, **or**
ZOOL 314 (5) Invertebrate Zoology, **or**
ZOOL 358 (4) General Entomology

Life Forms & Applied Science/Management

Two of the following courses:

- WLDF 420 (3) Wildlife Management (Waterfowl)
WLDF 421 (3) Wildlife Management (Upland Game)
WLDF 422 (3) Wildlife Management (Mammals)
WLDF 423 (3) Wildlife Management (Nongame)

Habitat Ecology/Management

One of the following courses:

- WLDF 430 (3) Ecology & Management of Wetland Habitats
WLDF 431 (3) Ecology & Management of Upland Habitats

Advanced Classes

Two of the following courses:

- WLDF 450 (3) Principles of Wildlife Diseases
WLDF 460 (3) Conservation Biology
WLDF 470 (3) Animal Energetics
WLDF 475 (3) Wildlife Ethology
WLDF 478 (3) Ecology of Wildlife Populations

Capstone Classes

- WLDF 485 (1) Senior Seminar
WLDF 490 (3) Honors Thesis, **or**
WLDF 492S(3) Senior Project, Service, **or**
WLDF 495 (3) Senior Project

Option 2

Conservation Biology/Applied Vertebrate Ecology

Lower Division

Life Sciences

- BIOL 105 (4) Principles of Biology
BOT 105 (4) General Botany
ZOOL 110 (4) Introductory Zoology

Physical Sciences

- CHEM 107 (4) Fundamentals of Chemistry
CHEM 128 (3) Introduction to Organic Chemistry

Mathematics

- MATH 105 (3) Calculus for the Biological Sciences & NR
STAT 109 (4) Introductory Biostatistics

Conservation, Policy & Administration

- WLDF 210 (3) Intro to Wildlife Conservation and Administration
WLDF 244 (1) Wildlife Policy and Animal Welfare

Upper Division

- BOT 330 (3) Plant Ecology (Lecture/Lab)
BIOL 340 (4) Genetics, **or**
FISH 474 (4) Conservation Genetics of Fish and Wildlife
BOT 350 (4) Plant Taxonomy
WLDF 301 (3) Principles of Wildlife Management
WLDF 311 (4) Wildlife Techniques
WLDF 365 (3) Ornithology I
WLDF 460 (3) Conservation Biology
ZOO 356 (3) Mammalogy

Life Forms & Applied Science/Mgmt.

One of the following courses:

- WLDF 420 (3) Wildlife Management (Waterfowl)
WLDF 421 (3) Wildlife Management (Upland Game)
WLDF 422 (3) Wildlife Management (Mammals)
WLDF 423 (3) Wildlife Management (Nongame)

Habitat Ecology/Management

One of the following courses:

- WLDF 430 (3) Ecology & Management of Wetlands Habitats for Wildlife
WLDF 431 (3) Ecology & Management of Upland Habitats for Wildlife

Advanced Classes

Two of the following courses:

- WLDF 450 (3) Principles of Wildlife Diseases
WLDF 470 (3) Animal Energetics
WLDF 475 (3) Wildlife Ethology
WLDF 478 (3) Ecology of Wildlife Populations

Capstone Classes

- WLDF 485 (1) Senior Seminar
WLDF 490 (3) Honors Thesis, **or**
WLDF 492S(3) Senior Project, Service, **or**
WLDF 495 (3) Senior Project

Elective Course

One of the following courses:

- GSP 270 (3) Introduction to GIS [Prereq: GSP 101/GSP 101L]
FISH 310 (4) Ichthyology
STAT 333 (4) Linear Regression Models/ANOVA
STAT 406 (4) Sampling Design & Analysis
STAT 409 (4) Experimental Design & Analysis
STAT 504 (4) Multivariate Statistics
ZOO 310 (4) Animal Physiology
ZOO 314 (5) Invertebrate Zoology
ZOO 354 (4) Herpetology
ZOO 358 (4) General Entomology

REQUIREMENTS FOR THE MINOR

Required Courses

- WLDF 301 (3) Principles of Wildlife Management
WLDF 311 (4) Wildlife Techniques
WLDF 365 (3) Ornithology I, **or**
ZOO 354 (4) Herpetology, **or**
ZOO 356 (3) Mammalogy

NOTE: WLDF 301 and WLDF 365 have the following prerequisites: MATH 115, BIOL 105, ZOO 110; STAT 108 or STAT 109; or their equivalents.

Restricted Electives

One course from the following:

- WLDF 430 (3) Ecology & Mgmt. of Wetlands Habitats for Wildlife
WLDF 431 (3) Ecology & Mgmt. of Upland Habitats for Wildlife
WLDF 460 (3) Conservation Biology

One additional course from the following:

- WLDF 420 (3) Wildlife Management (Waterfowl)
WLDF 421 (3) Wildlife Management (Upland Game)
WLDF 422 (3) Wildlife Management (Mammals)
WLDF 423 (3) Wildlife Management (Nongame Wildlife)
WLDF 430 (3) Ecology & Management of Wetlands Habitats for Wildlife
WLDF 431 (3) Ecology & Mgmt. of Upland Habitats for Wildlife
WLDF 450 (3) Principles of Wildlife Diseases
WLDF 460 (3) Conservation Biology
WLDF 470 (3) Animal Energetics
WLDF 475 (3) Wildlife Ethology
WLDF 478 (3) Ecology of Wildlife Populations



WOMEN'S STUDIES MINOR

Minor in Women's Studies

Certificate of Study in Women's Studies

(See *Certificates of Study*)

See also the *Women's Studies Pathway within the Interdisciplinary Studies major option Critical Race, Gender and Sexuality Studies (CRGS)*.

CRGS Chair

Kim Berry, Ph.D.

Behavioral & Social Sciences 246

Department of Critical Race, Gender and Sexuality Studies

Behavioral & Social Sciences 206

707-826-4329, fax 707-826-4320

www.humboldt.edu/crgs

The Program

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.

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 campuswide, 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 IS 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

The minor consists of 16 units: 10 required units plus six elective units. At least one course (3 units minimum) must have significant international content.

Required (10 units)

- WS 106 (3) Introduction to Women's Studies
- WS 107 (3) Women, Culture, History
- CRGS 390 (4) Theory & Methods

Electives (minimum 6 upper division units)

At least one course (3 units minimum) must have significant transnational analysis (these courses are marked with an asterisk).

- WS 300/PSYC 300 (3) Psychology of Women
- RS 300 (3) Living Myths
- WS 303* (3) Third World Women's Movements
- WS 306/FREN 306/GERM 306/SPAN 306* (3) Sex, Class & Culture: Gender & Ethnic Issues in International Short Stories
- WS 308B/ENGL 308B (3) Women in Lit
- WS 308C/ENGL 308C* (3) Women in Lit
- WS 309B/COMM 309B (3) Gender and Communication
- CRGS 313/EDUC 313 (3) Community Activism
- WS 315* (4) Sex, Gender & Globalization
- WS 316/SOC 316 (4) Gender & Society
- WS 317/ANTH 317* (4) Women in Development
- WS 318/EDUC 318 (3) Gay & Lesbian Issues in Schools
- WS 320 (3) Act to End Violence Seminar

- CRGS 330 (3) Women of Color Feminisms
- WS 336/ENGL 336/ES 336+ (3) American Ethnic Literature
- WS 340* (3-4) Ecofeminism
- WS 350* (4) Women's Health & Body Politics
- CRGS 360 (4) Race, Gender & US Law
- WS 370 (3-4) Queer Women's Lives, or
- ENGL 360 (4) Queer Women's Literature (when offered)
- CRGS 430/ANTH 430 (3-4) "Queer" Across Cultures
- WS 419/PSYC 419 (3) Family Violence
- WS 436/PSYC 436 (3) Human Sexuality
- WS 465B-C (4) Multicultural Issues in Language and Literature
- WS 480 (1-5) Special Topics

And other advisor-approved courses



* Courses with significant transnational analysis.

+ When subject matter of the course focuses on women writers.

ZOOLOGY

Bachelor of Science degree with a major in Zoology

Minor in Zoology

Master of Science degree in Biology (see Biology)

Department Chair

Bruce O'Gara, Ph.D.

Department of Biological Sciences

Science Complex B 221

707-826-3245

www.humboldt.edu/biosci

The Program

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.

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.

Preparation

In high school take biology, chemistry, and physics (with labs, if possible) plus algebra, geometry, and trigonometry.

REQUIREMENTS

Students who receive a grade below a C- in any prerequisite course will require instructor approval for enrollment.

REQUIREMENTS FOR THE MAJOR

For a description of degree requirements to be fulfilled in addition to those listed below for the major, please see "The Bachelor's Degree" section of the catalog, pp. 58-74, and "The Master's Degree" section of the catalog, pp. 75-76.

Lower Division

BIOL 105 (4) Principles of Biology
BOT 105 (4) General Botany
CHEM 109 (5) General Chemistry I
CHEM 110 (5) General Chemistry II
MATH 105 (3) Calculus for the Biological Sciences & NR
[or MATH 109]

PHYX 106 (4) College Physics: Mechanics & Heat
PHYX 118 (1) College Physics: Biological Applications
STAT 109 (4) Introductory Biostatistics
ZOO 110 (4) Introductory Zoology

Upper Division

BIOL 307 (3) Evolution
BIOL 330 (4) Principles of Ecology
BIOL 340 (4) Genetics
BIOL 412 (4) General Bacteriology
CHEM 328 (4) Brief Organic Chemistry
ZOO 310 (4) Animal Physiology
ZOO 314 (5) Invertebrate Zoology
ZOO 370 (4) Comparative Anatomy of the Vertebrates, or
ZOO 476 (4) Principles of Animal Development

One course from:

FISH 310 (4) Ichthyology
WLDF 365 (3) Ornithology I
ZOO 354 (4) Herpetology
ZOO 356 (3) Mammalogy
ZOO 358 (4) General Entomology
ZOO 430 (4) Comparative Animal Behavior

One upper division course in botany with laboratory.

REQUIREMENTS FOR THE MINOR

BIOL 105 (4) Principles of Biology
ZOO 110 (4) Introductory Zoology

14 units of upper division zoology courses approved by the zoology minor advisor.



COURSE DESCRIPTIONS

COURSE INDICATORS



sustainability-focused course

sustainability-related course

Humboldt State University includes graphic indicators with relevant course descriptions to indicate whether courses are focused or related to dimensions of sustainability.

Please see www.humboldt.edu/sustainability/ resources for more information, criteria, and definitions.

activ	activity component	disc	discussion component
(C)	course may be taken concurrently	F	fall
coreq	corequisite(s)	S	spring
CR/NC	mandatory credit/no credit	Su	summer
CWT	communication & ways of thinking course	GE	general education course
DA	department approval required	IA	instructor approval required
DCG-d	diversity & common ground course (domestic focus)	lect	lecture component
DCG-n	diversity & common ground course (non-domestic focus)	prereq	prerequisite(s)
		rec	recommended preparation
		rep	repeatable

American Indian Education

UPPER DIVISION

AIE 330. History of Indian Education (3). From first contact with Europeans to contemporary times. Emphasis: how federal policy shaped educational policy for American Indians. [DCG-d.]

AIE 335. Social & Cultural Considerations (3). How social and cultural factors affect educational experiences of American Indian students attending mission, BIA boarding, or public schools. Apparent learning problems. [DCG-d.]

AIE 340. Educational Experiences (3). Local and national American Indian tribes. Educational history, life ways, cultural attributes, and educational problems. [Prereq: AIE 330 or AIE 335. DCG-d.]

AIE 380. Special Topics (.5-3). Topics of current interest in education, American Indian health, and tribal professional issues. [Rep.]

AIE 430. Seminar: Proposal & Grantwriting Process (3). Examine funding sources; develop a grant proposal for an Indian education program.

AIE 499. Independent Study (.5-3). Directed study, reading, conference, research on selected problems in American Indian education.

GRADUATE

AIE 580. Special Topics (.5-3). Topics of current interest in education, American Indian health, and tribal professional issues. [CR/NC. Rep.]

Anthropology

LOWER DIVISION

ANTH 104. Cultural Anthropology (3). World's diverse cultures. Richness of human life in different times and places. Multicultural nature of today's world. [GE.]

ANTH 105. Archaeology and World Prehistory (3). This course introduces students to the field of archaeology and traces the many paths of cultural evolution as reconstructed from the archaeological record. [GE.]

ANTH 110. Physical Anthropology (3). Evolutionary theory; genetic basis for evolution; ecology and behavior of nonhuman primates; human biological evolution. [Coreq: ANTH 111.]

ANTH 111. Laboratory in Physical Anthropology (1). Practical, hands-on learning in genetics, human osteology, primate comparative anatomy, methods for observing primate behavior; fossil evidence for human evolution. [Coreq: ANTH 110.]

ANTH 113. Anthropology Skills Development (2). ALADIN curriculum (Academic Language: Assessment and Development of Individual Needs) teaches academic skills to help in the transition from high school to the demands of a university. [Coreq: ANTH 104.]

UPPER DIVISION

ANTH 302. Anthropology of Religion (3). Theoretical perspectives and modes of analysis of religious belief systems and practices. Focus: preliterate and peasant religions, including ritual, magic, and symbol systems. [DCG-n. GE.]

ANTH 303. Human Biology & Evolution (3). Evolutionary theory; genetic basis for evolution; human's place in nature; fossil evidence for human evolution; biological basis for human variation. Science GE for majors and nonmajors. [GE.]

ANTH 306 / ES 306. World Regions Cultural Studies (3). Culture, values, and social interaction in cultures of a world region (North America, Latin America, Oceania, Middle East, Asia). [Rep for each different region offered. DCG-n. GE.]

ANTH 310. History of Anthropology (4). Development of anthropology, its theoretical antecedents, and ongoing debates. Focus: reading original ethnographic and theoretical works. [Prereq: ANTH 104, and ANTH 105 or ANTH 303.]

ANTH 315 / WS 315. Sex, Gender & Globalization (4). Examine crossculturally the diversity of relations of sex and gender. Transformation of gender relations through colonial rule, nationalist movements, and globalization of the economy. [DCG-n.]

ANTH 316. Anthropology & Development (4). Traditional cultures and their economies. How these societies have adjusted to world economy. Analyze social costs/benefits of economic development.

ANTH 317 / WS 317. Women & Development (4). 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.


ANTH 318. Ethnography (4). Problems and techniques of describing culture and representing the "other." Critical look at the process and politics of descriptions anthropologists craft. [Prereq: ANTH 104.]

ANTH 328. Social Anthropology Lab (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. Rep.]

ANTH 329. Special Topics in Social Anthropology (4). [Check with department for topics and prereqs. Rep.]

ANTH 331. Paleoanthropology (4). Evolutionary and systematic theory; functional morphology; primate's place in nature; biological and cultural evolution of human family through the Ice Age. [Prereq: ANTH 110 or ANTH 303 or BIOL 104, or IA.]

ANTH 332. Forensic Anthropology (4). Focus is on the application of osteology to legal matters and the techniques used for determining age, sex, stature, and skeletal diseases in human skeletal remains. [Prereq: ANTH 110 (C) or ANTH 303 (C) or BIOL 104 (C), or IA.]

 **ANTH 333. Primatology** (4). Primate adaptations and evolution; ecology and social behavior; reproductive strategies used by males and females; primate intelligence; conservation or primates and their habitats. [Prereq: ANTH 110 or ANTH 303 or BIOL 104, or IA.]

ANTH 338. Biological Anthropology Lab (1). Hands-on lab exercises in biological anthropology. Topics such as human osteology, evolutionary forces, genetics, primates, paleoanthropology, and forensic anthropology.

ANTH 339. Special Topics in Biological Anthropology (1-4). Seminars on topics such as: human variation; forensic anthropology/human osteology; primate evolution; sex, sexuality, and power; medical anthropology; nutritional anthropology; history of physical anthropology. [Prereq: ANTH 110 or ANTH 303 or BIOL 104, or IA. Rep.]

ANTH 340. Language & Culture (4). Scope and variety of linguistic research. Emphasis on cross-cultural comparison and relation of languages to culture.

ANTH 341. Anthropological Linguistics (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. [Prereq: ANTH 104 (C).]

ANTH 350. Method & Theory in Archaeology (4). Roles of theory and scientific method in reconstructing past cultures, culture process, and change. [Prereq: ANTH 105 or IA.]

ANTH 357. Field Archaeology (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. [Rep.]

ANTH 358. Archaeology Lab (1-3). Archaeology lab activities. [Rep.]

ANTH 359. Special Topics in Archaeology (1-4). Seminars in selected subfields (concentrations or theory): environmental archaeology, geoarchaeology, archaeoastronomy, zooarchaeology, historical archaeology, ethnohistory. [Check with faculty for content. Rep.]

ANTH 374. Cultural Resource Management (4). Vocationally-oriented introduction to applied archaeology. Ethical, legal, and technical aspects of conserving prehistoric and historic cultural resources of the US.


ANTH 387 / ECON 387 / GEOG 387 / HIST 387 / INTL 387 / PSCI 387. International Education Colloquium (1). Earn credit by attending International Education Week events the week before Thanksgiving and participating in an online discussion forum. Mandatory pre-event meeting in September. [CR/NC. Rep once.]

ANTH 390. World Regions Cultural Seminar (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. [Rep.]

ANTH 394. Archaeology of North America (4). Intensive survey of North American pre-Columbian cultures from Paleo-Indian period to European contact. Emphasis on eastern Adena, Hopewell, Mississippian cultures. Some attention to Southwest.

ANTH 395. Mesoamerican Archaeology (4). Intensive survey of pre-Hispanic cultures of Mexico and Central America. Origins, development, and characteristics of native civilizations: Olmec, Mayan, Teotihuacán, Monte Albán, Toltec, and Aztec.

ANTH 410. Anthropology Capstone (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. [Prereq: ANTH 310.]

 **ANTH 430 / CRGS 430. "Queer" Across Cultures** (3-4). Explores diversity of categories and meanings of sexuality, sex, and gender across cultures. Analyzes transformation due to colonialism, nationalism, and economic and cultural globalization. Explores intersections with race, class, nation.

ANTH 485. Senior Seminar (1-4). Advanced topics with relevance for the entire anthropology discipline. [Check with faculty for course content and prereqs. Rep.]

ANTH 490. Senior Thesis (1-4). Supervised experience formulating research proposals and writing research reports. [Prereq: IA. Rep.]

ANTH 495. Field Projects in Anthropology (1-4). Supervised field research. [Rep.]

ANTH 499. Independent Study (1-4). Selected topics for advanced students. [Prereq: IA. Rep.]

GRADUATE

ANTH 610. History of Anthropological Theory (4). Contemporary frameworks. Philosophical structure of anthropologists' constructs.

ANTH 618. Ethnographic Methods (3). Development of ethnographic and related research methods, (participant observation, interviews, artifact and qualitative data analysis). Students will also engage in professional presentation of research results in monograph and presentation format. [Prereq: ANTH 670 and ANTH 671.]

ANTH 621. International Development (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.)

ANTH 637. Applied Biological Anthropology (3). In-depth study of modern approaches and growing fields of interest across biological anthropology and bio-archaeology, such as genetics, stable isotope analysis, pathology, nutrition and foraging ecology, and functional morphology. [Prereq: enrollment in Anthropology MA program.]

ANTH 654. Cultural Resources Management (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. [Prereq: enrollment in Anthropology MA program.]

ANTH 670. Introduction to Applied Anthropology (2). Introduction to applied anthropology's perspectives, methods, theories, and practices to solve human and environmental problems, in both academic and nonacademic settings. Students begin thinking about future research and career trajectories. [Prereq: enrollment in Anthropology MA program. Coreq: ANTH 671.]

ANTH 671. Research Methods in Applied Anthropology (3). Advanced research methods focused on preparing students for data collection and management. Topics include ethnographic data collection, structured observation, interviewing, materials/artifact/skeletal analysis, and management of data. [Prereq: enrollment in Anthropology MA program. Coreq: ANTH 670.]

ANTH 672. Theory in Applied Anthropology (3). Theory, practice, and communication preparing to work with professional non-profit institutions, companies, and governments to plan, implement, and evaluate programs, products, services, policies, and laws; present strategies to effect policy changes. [Prereq: enrollment in Anthropology MA program.]

ANTH 673. Anthropology in Practice (3). In-depth survey of domains in which anthropological principles, theories, and methods are applied to practical problems outside academia. Special attention to potential future markets/opportunities and proactively marketing anthropological skills. [Prereq: ANTH 670, ANTH 671, enrollment in Anthropology MA program.]

ANTH 674. Project Design and Management (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. [Prereq: ANTH 670, ANTH 671, enrollment in Anthropology MA program.]

ANTH 675. Applied Anthropology Field Placement (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. [Prereq: ANTH 670, ANTH 671, enrollment in Anthropology MA program.]

ANTH 678. Applied Anthropology Pro Seminar (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. [Prereq: enrollment in Applied Anthropology MA Program. CR/NC. Rep 3 times.]

ANTH 679. Applied Anthropology Region (3). Critical analysis of interplay of ecological, political, historical, social, and economic forces and impact of cultural values on contemporary

applied anthropology projects. Promotes holistic understanding of applied anthropology project contexts. [Rep once.]

ANTH 680. Graduate Seminar (1-4). Intensive study; special topics. [Rep.]

ANTH 681. Advanced Research Training (1-4). Supervised work in ongoing faculty research project. Acquire familiarity with theory construction, research training, data collection, and analysis. [Rep.]

ANTH 690. Thesis (1-6). Thesis research and writing, peer review, and presentation of thesis for committee evaluation. [Rep up to 12 units.]

ANTH 695. Field Research (1-4). Supervised field research. [Rep.]

ANTH 699. Independent Study (1-4). Directed study of selected problems, issues, and theoretical/analytical concerns. [Rep.]

Art

LOWER DIVISION

ART 100. Global Perspectives in Art (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. This course fulfills a lower division DCG Area C requirement. [Does not apply toward art studio, art history, or art education majors/minors. DCG-n. GE.]

ART 103. Introduction to Art History (3). Survey of Western art from prehistoric times to the modern period. [GE.]

ART 104B. Ancient Art (3). Prehistoric, Mesopotamian, Egyptian, Aegean, Greek, and Roman art. [GE.]

ART 104C. Medieval Art (3). Early Christian, Byzantine, early medieval, Romanesque, and Gothic art. [GE.]

ART 104F. Renaissance Art (3). Italian and Northern European artists during the Renaissance. [GE.]

ART 104G. Baroque Art (3). Rubens, Rembrandt, and other artists, 1600-1750. [GE.]

ART 104H. 19th Century Art (3). European art from the neoclassical to the post-impressionist periods. [GE.]

ART 104I. 20th Century Art (3). Survey of painting and sculpture in the 20th century. [GE.]

ART 104J. American Art (3). Survey of art covering major artists, stylistic movements, and cultural trends within the borders of the US from the Colonial Period to WWII. [DCG-d. GE.]

ART 104K. Africa, Oceania, the Americas (3). African, Native American, and Oceanic art. Various approaches to, and concepts of, art in these cultural regions. [DCG-n. GE.]

ART 104M. Latin American Art (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. [DCG-n. GE.]

ART 104N. Asian Art (3). Surveys the visual arts of India, China, and Japan in the context of each country's diverse religious, cultural and political histories. [DCG-n. GE.]

ART 105B. Beginning Drawing (3). Training in fundamentals of drawing: form, space, organization, composition. Various drawing materials and techniques. [GE.]

ART 105C. Color & Design (3). Concepts of line, texture, value, shape, color; and composition in context of 2-dimensional space. Visual perception; illusions; cultural influences on the way we see. Studio format. [GE.]

ART 106. Beginning Painting (3). Tools in painting; color; composition, and fundamental technical issues. Develop visual principles through various subject matter. [Strongly rec: ART 105B completed before enrolling. GE.]

ART 107. Beginning Printmaking (3). Introduction to contemporary practices and aesthetics of printmaking. Formal elements and techniques using a broad range of materials and processes including: relief (woodcut, linocut), itaglio (drypoint, etching), lithography, and monotype. [Strongly rec: ART 105B or ART 105C completed before enrolling. GE.]

ART 108. Beginning Graphic Design (3). Introduction to principles, tools and methodologies of graphic design. Students are introduced to industry-standard software including Adobe Illustrator, InDesign, and Photoshop within the context of visual problem-solving. [GE.]

ART 109. Beginning Sculpture (3). Introduction to sculpture and three-dimensional thinking and vocabulary. Students learn techniques such as, additive and reductive methods, mold making, found object construction, etc. Presentation of correct tool usage and safety issues. Studio practice, research, class discussions, slide lectures, field trips, and critique. [GE.]

ART 112. Scientific Drawing I (3). This course develops the ability to accurately draw and illustrate technical and scientific information. Adapted to needs of science students as well as art students.

ART 122. Life Drawing I (3). Study form and composition from the human figure. [Prereq: ART 105B or IA. Rep once.]

ART 250. Beginning Darkroom Photography (3). Fundamentals of fine art black-and-white photography as medium of personal expression. Camera operations; exposure, development, and printing controls; professional presentation methods. Discuss work of historical and contemporary fine art photographers.

ART 251. Beginning Digital Photography (3). This course will provide a foundation in the manual camera functions, creative image control, light metering, and a vocabulary for discussing photographic images. A strong emphasis will be placed on the manual use of digital cameras and the basics of imaging software and manipulation.

ART 273. Illustration I (3). This course is an introduction to the professional field of illustration. Students will acquire fundamental illustration skills while developing critical thinking and problem-solving skills. [Rec: ART 105B, ART 105C, ART 108. Rep twice.]

ART 280. Beginning Jewelry (3). Introduction to fabrication in silver and base metals through assigned projects. Techniques: sawing, soldering, etching, stone setting. Proper tool usage and safety. Problem solving and development of intuitive thinking. Slides, research, and critiques.

ART 290. Beginning Ceramics (3). Assigned projects to develop basic forming and glazing skills, an understanding of visual form, and creative problem solving.

UPPER DIVISION

ART 301. Topics in Western Art History (3). Topics in western art history from antiquity to the present. [Rep. GE.]

ART 301M. Topics in Western Art History Depth Experience (1). Selected topics in western art history. Explores course topics in greater detail through a combination of seminar meetings, writing assignments, and presentations. [Coreq: ART 301. Rep.]

ART 302. Topics in Global Art History (3). Topics in non-western art history from antiquity to the present. [Rep. DCG-n. GE.]

ART 302M. Topics in Global Art History Depth Experience (1). Selected topics in non-western art history. Explores course topics in greater detail through a combination of seminar meetings, writing assignments, and presentations. [Coreq: ART 302. Rep.]

ART 303. Global Contemporary Art (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. [Prereq: ART 104i. DCG-n. GE.]

ART 303M. Global Contemporary Art Depth Experience (1). This course explores global contemporary art and theory in greater detail through a combination of seminar meetings, writing assignments, and presentations. [Coreq: ART 303. Rec: ART 104i.]

ART 304. Topics in American Art (3). Topics in American art history, pre-contact to the present. [Rep. DCG-d. GE.]

ART 304M. Topics in America Art Depth Experience (1). Topics in American art history, pre-contact to the present. Explores course topics in greater detail through a combination of seminar meetings, writing assignments, and presentations. [Coreq: ART 304. Rep.]

ART 310. Topics in Aegean, Greek & Roman Art (4). Specific questions within the period. One of four units is individualized instruction on assigned topics. [Rep as topics change.]

ART 312. Topics in Italian Renaissance Art (4). Specific questions within the period. One of four

units is individualized instruction on assigned topics. [Rep as topics change.]

ART 313. Topics in Northern Renaissance Art (4). Specific questions within the period. One of four units is individualized instruction on assigned topics. [Rep as topics change.]

ART 314. Topics in Baroque & Rococo Art (4). Specific questions within the period. One of four units is individualized instruction on assigned topics. [Rep as topics change.]

ART 316. Topics in Early 20th Century Art (4). Specific questions within the period. One of four units is an extra 1-hour class meeting per week on assigned topics. [Rep as topics change.]

ART 317. Topics in Late Modern & Contemporary Art (4). Art since mid-20th century. Variable emphasis. One of four units is individualized instruction on assigned topics. [Rep as topics change.]

ART 318. Topics in the History of Photography (4). Development of photography as an aesthetic medium. Major photographers and their ideas and contributions in the context of art history. One of four units is an extra 1-hour class meeting per week on assigned topics. [Rep as topics change.]

ART 321. Intermediate Drawing (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. [Prereq: ART 105B or IA. Rep.]

ART 324. Advanced Drawing (3). Explore individual intuition and vision; expand fundamentals gained in Prereq: courses. [Prereq: ART 122 or 321, or IA. Rep.]

ART 325. Life Drawing II (3). Continue exploring figure drawing, emphasizing formal aspects of individual vision with use of color, mixed media, and abstraction. [Prereq: ART 122 or IA. Rep.]

ART 326. Intermediate Painting (3). Further develop foundation of painting: materials, techniques, form, space, organization, composition, color. Explore individual intuition and vision. Emphasis on visual form and principles rather than subject matter. [Prereq: ART 106 or IA. Rep.]

ART 329. Advanced Painting (3). Further develop individual intuition and vision. Apply, understand, and compare concepts, attitudes, and methods of traditional and contemporary approaches to painting. [Prereq: ART 326 or IA. Rep.]

ART 330. Intermediate Printmaking (3). Further development of formal, technical, and conceptual skills. Emphasis on larger scale prints, color printing and combinations of print techniques. Rotating concentration on two print processes. [Prereq: ART 107 or IA. Rep.]

ART 333. Advanced Printmaking (3). Continued development of print skills to create personally expressive and content-driven artwork. Course explores intensive study of intaglio, relief, monotype, silkscreen, lithography, and/or new processes. [Prereq: ART 330 or IA. Rep.]

ART 337. Intermediate Black & White Photography (3). Fine art photography as medium

of personal expression. Mastery of camera controls and darkroom processes. View camera, studio lighting. May include toning, hand coloring, alternative processes, mural printing. Critique contemporary and historic photographic practice. [Prereq: ART 250. Rep once.]

ART 339. Advanced Photography (3). Preparation for professional art practice. Concentration on developing thematic portfolio and professional presentation methods. Discuss contemporary photo issues. [Prereq: ART 337. Rep.]

ART 340. Intermediate Graphic Design (3). Continued investigation into visual communication with emphasis in typography, layout and design, and information architecture. [Prereq: ART 108. Rep twice.]

ART 343. Advanced Graphic Design (3). Students undertake complex visual problems to prepare for entry into professional practice. Class projects lead to the development of a market-ready portfolio. Class content alternates between print and web design each semester. [Prereq: ART 108 and ART 340.]

ART 345. Metals (3). Concentrates on metal fabrication techniques such as welding (gas, MIG, TIG, stick), cutting (plasma, OXY/fuel), bending and smithing; and metal casting techniques for aluminum and bronze such as bonded sand and ceramic shell processes. Mold making, wax working, gating, pouring, and finishing. [Prereq: ART 109 and ART 346 (C), or IA. Rep with IA.]

ART 346. Materials & Methods (3). Concentrates on mixed media processes and the figure. Students learn a wide range of processes and formats such as: cold casting (resins, plaster, construction, found object, wood, stone; installation, etc. [Prereq: ART 109 and ART 345 (C), or IA. Rep with IA.]

ART 347. Advanced Sculpture (3). Studio application. Continuation and development of technical media skills gained in ART 345 and ART 346. Emphasis: on personal conceptual development and creation of cohesive body of work. [Prereq: ART 345 and ART 346, or IA. Rep.]

ART 348. Intermediate Jewelry and Small Metals (3). Introduction to casting and fabrication techniques: forming, enameling, cold connections, and stone setting through assigned projects. Alternative materials and patination. Problem solving, intuitive thinking, and personal vocabulary. Slide study, research, and critiques. [Prereq: ART 280 or IA. Rep.]

ART 349. Advanced Jewelry and Small Metals (3). Technical and material exploration through assigned projects. Emphasis on development of a unified body of work as decided in conference with the instructor. Preparing for professional art practice. Slide study, research, and critiques. [Prereq: ART 348 or IA. Rep.]

ART 350. Intermediate Ceramics: High Fire (3). Assigned projects emphasize visual expression and further develop forming and glazing skills associated with thrown forms and stoneware reduction glazes. [Prereq: ART 290. Rep with IA.]

ART 351. Intermediate Ceramics: Low Fire (3). Assigned projects emphasize visual expression and further develop forming and glazing skills in low-temperature firing range. [Prereq: ART 290. Rep with IA.]

ART 353. Off-Campus Studies in Art History (1-9). Visit museums, archaeological monuments, collections. [Prereq: 6 units of art history or IA. Rep.]

ART 354. Problems in Art History (1-4). Special topics.

ART 356. Museum & Gallery Practices (3). Overview of museum & gallery operations, including structural organization, collections management, conservation, installation, and exhibitions. Organize, design & install exhibitions in the Reese Bullen Gallery. [Prereq: ART 104i or ART 104K. Rep.]

ART 357B. Curriculum & Development Through Art Education I (3). Examines the relationship between art and the development of children and adolescents. Discuss current theory and practice in art education. *Art education majors only. Beneficial to complete SED 210/410 before this class. Preferably, take fall semester of your junior year.*

ART 357C. Curriculum & Development Through Art Education II (3). Further development in curriculum planning. Students develop a docent program for participating schools and create an educational CD-ROM. *Art education majors only. Beneficial to complete SED 210 before this class. Preferably, take spring semester of your junior year.* [Prereq: ART 357B.]

ART 358. Art Structure (3). Heritage of visual art, aesthetic valuing, creative process in producing art works. Liberal studies/elementary education majors only.

ART 359. Advanced Ceramics (3). Projects which further develop technical skills, aesthetic awareness, and historical perspectives. Focus: personal visual expression. [Prereq: two semesters of upper division ceramics, one of which must be either ART 350 or the old ART 351 at HSU. Rep.]

ART 367. Intermediate Photography – Color (3). Introduction to the process of color photography. Students will become familiar with color theory, color management, digital imaging software, and output options. Students will be introduced to important practitioners of the medium and discuss a variety of readings. All assignments will have a technical and conceptual component. [Prereq: ART 251 or IA. Rep.]

ART 372. Special Topics in Graphic Design (3). Special assignments/topics for students who have completed Advanced Graphic Design. Assignments address current trends and issues in graphic design. [IA. Rep.]

ART 373. Illustration II (3). Building on the technical and conceptual skill set acquired in Illustration I, students will continue to explore the various materials, methods, concepts, and professional practices utilized in the production of illustration work. Discussion of the development of a portfolio that reflects the individual skills and interests of its maker. Possible topics include the introduction

of digital media, sequential art, character design, and book, scientific, decorative, editorial, and reportage illustration. [Rec: ART 273. Rep 3 times.]

ART 395. Topics in Studio Art (1-6). Experimental course in selected problems. [Prereq: one lower division art class or IA. Rep.]

ART 396. Art Workshop (1). Various media. [Rep.]

ART 410. Art History Seminar (4). Capstone class for the art history major. Advanced topics in art history. Focus on research skills and art historical writing. [Upper division art majors only. Rep.]

ART 437. Professional Practices in Art (3). Capstone course for art majors. Development and refinement of professional practices related to visual arts. [Upper division art majors only.]

ART 456. Museum & Gallery Practices Internship (3). Culminating course for Art Museum and Gallery Practices Certificate. Intern at an arts institution chosen in consultation with the instructor. [Prereq: ART 104i and ART 356. Rep.]

ART 491A. Teaching Assistant — Studio (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. [Upper division art majors only. Rec: advanced-level standing in their media area. CR/NC. Rep.]

ART 491B. Teaching Assistant — Art History (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. [Upper division art majors only. Rec: advanced-level standing in art history. CR/NC. Rep.]

ART 491C. Teaching Assistant — Art Education (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. [Prereq: ART 357B and ART 357C. Upper division art majors only. Rec: advanced-level standing in their media area. CR/NC. Rep.]

ART 495. Directed Study (1-6). Program and hours arranged with staff. [Rep.]

ART 496. Seminar in Art (3). Selected problems. [Prereq: at least 24 lower and upper division art units, or IA. Rep.]

ART 497S. Service Learning & Art Education I (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. [Prereq: ART 357B and ART 357C. Upper division art education majors only.]

ART 498S. Service Learning & Art Education II (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. [Prereq: ART 497S. Upper division art education majors only.]

Arts, Humanities & Social Sciences

LOWER DIVISION

AHSS 150. Marching Lumberjacks (1). Marching/activity band for football games, university presence, parades, events. [CR/NC. Rep.]

AHSS 180. Selected Topics in Arts & Humanities (1-3). Interdisciplinary topics. [Lect/lab as appropriate. Rep.]

UPPER DIVISION

AHSS 480. Seminar in Selected Topics (1-3). Intensive study within an area of the social sciences. [Prereq: varies by topic. Rep.]

AHSS 481. Selected Topics in Arts & Humanities (1-3). Interdisciplinary topics. [Lect/lab as appropriate. Rep.]

Biology

LOWER DIVISION

BIOL 102. Human Biology (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.* [Weekly: 3 hrs lect. GE.]

BIOL 102L. Human Biology Lab (1). Laboratory focusing on human anatomy, physiology, and genetics. *Not intended for majors in science, natural resources, or kinesiology.* [Coreq: BIOL 102. Weekly: 3 hrs lab. GE.]

BIOL 104. General Biology (3). Principles of modern biology. Emphasis on aspects of biology rapidly reshaping our culture. *Not intended for majors in science or natural resources.* [Weekly: 2 hrs lect, 3 hrs lab. GE.]

BIOL 105. Principles of Biology (4). Fundamental processes of life. Structure and function of cells, genetics, evolution, and ecology. [Prereq: CHEM 107 or CHEM 110 [C] with a grade of C- or higher. Weekly: 3 hrs lect, 3 hrs lab. GE.]

BIOL 180 / BIOL 180A / BIOL 180L. Selected Topics in Biology (1-3). Topics of current interest supplemental to established lower division curricular offerings. [Prereq: IA. Rep.]

BIOL 198. Supplemental Instruction (1). Collaborative work for students enrolled in introductory biology. [CR/NC. Rep.]

BIOL 210. Medical Microbiology (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. [Weekly: 3 hrs lect, 3 hrs lab. Prereq: BIOL 104 or BIOL 105 with a grade of C- or higher.]

BIOL 255. Marine Biology (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. [Prereq: OCN 109; BIOL 105 or BOT 105 or ZOOL 110. Weekly: 2 hrs lect, 3 hrs lab.]

BIOL 280 / BIOL 280L. Selected Topics in Biology (1-3). Topics of current interest supplemental to established lower division curricular offerings. [Prereq: IA. Rep.]

UPPER DIVISION

BIOL 301. History of Biology (3). How key ideas in biology developed from antiquity to present. Sociocultural influences on biology; effects of biological discoveries on society. [Weekly: 3 hrs lect. GE. Prereq: completed lower division science GE.]

BIOL 304. Human Genetics (3). Heredity in humans. Sexuality/reproduction; nature and activities of genes and chromosomes; behavioral genetics; genetic disorders; modern biomedical technology and social implications; population genetics. [Prereq: completed lower division science DCG-n. GE.]

BIOL 305. Social Behavior & Biology (3). Social behavior and biology of animals, including humans. Social grouping; communication; sexual and parental behavior; reciprocity; altruism; aggression and dominance. [GE. Prereq: completed lower division science GE.]

BIOL 306. California Natural History (3). Human interaction with the natural world as seen by biologists. Identify plants or animals and habitats of northern California. [Prereq: completed lower division science GE. Weekly: 2 hrs lect/disc, 3 hrs lab/field trip. GE.]

BIOL 307. Evolution (4). Properties and differentiation of populations. Population genetics; mechanisms of species formation; and macroevolution. [Prereq: BIOL 340. Weekly: 3 hrs lect, 1 hr disc. GE.]

BIOL 308. Environment & Culture: How People Transformed a Continent (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. [Prereq: completed lower division science GE. GE.]

BIOL 330. Principles of Ecology (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. [Prereq: BIOL 105, STAT 108 or STAT 109, BOT 105 or ZOOL 110; all with grades of C- or higher. Weekly: 3 hrs lect, 3 hrs lab.]

BIOL 335. Field or Laboratory Problems (1-2). Individual work in field or lab research. [Prereq: IA. Rep once.]

BIOL 340. Genetics (4). Principles of heredity; nature and function of genetic material, with quantitative analyses; genetic constitution of populations. [Prereq: BIOL 105, STAT 108 or STAT 109; all with grades of C- or higher. Weekly: 3 hrs lect, 2 hrs disc/quiz.]

BIOL 369. Professional Writing in the Life Sciences (4). Writing scientific papers for publication. Theses, journal articles, reviews, grant applications, technical reports. [Weekly: 2 hrs lect, 2 hrs activ.]

BIOL 380 / BIOL 380L. Selected Topics in Biology (1-3). Topics of current interest supplemental to established upper division curricular offerings. [Prereq: IA. Rep.]

BIOL 399. Supplemental Work in Biology (1-3). Directed study for transfer student whose prior coursework is not equivalent to corresponding HSU courses. [Rep once. Prereq: DA and IA.]

BIOL 410. Cell Biology (4). Biochemistry, molecular biology, physiology, quantitative analysis, and culture of eucaryotic cells. [Prereq: BIOL 340, CHEM 109, PHYX 106 or PHYX 109. Weekly: 2 hrs lect, 6 hrs lab.]


BIOL 412. General Bacteriology (4). Natural history and importance of bacteria and viruses in disease, agriculture, and geochemical cycles. Structure, metabolism, genetics, taxonomy, and culture methods. Applications in biotechnology. [Prereq: BIOL 340 with a grade of C- or higher. Weekly: 2 hrs lect, 6 hrs lab.]

BIOL 418. Marine Microbiology (3). Biology, behavior and function of microorganisms in diverse marine habitats, roles in ecological processes. Laboratory: isolation, molecular and ecological approaches to microbial processes. [Prereq: BIOL 340 with a grade of C- or higher. Weekly: 2 hrs lect, 3 hrs lab.]

BIOL 430. Intertidal Ecology (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. [Prereq: BIOL 330 and ZOOL 314, or their equivalents; all with a grade of C- or higher. Weekly: 2 hrs lect, 3 hrs lab.]

BIOL 433. Microbial Ecology (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. [*Must co-enroll in BIOL 433D.* Prereq: BIOL 412 or (BIOL 340 and BIOL 330). Weekly: 2 hrs lect, 3 hrs lab. One weekend fieldtrip. Service fee.]

BIOL 433D. Microbial Ecology Discussion (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). [Prereq: BIOL 412 or (BIOL 340 and BIOL 330).]

 **BIOL 434 / BIOL 534. Population & Community Ecology** (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. [Prereq: BIOL 330 or WLDF 301. Weekly: 3 hrs lect, 3 hrs lab.]

BIOL 438. Field Ecology (4). A capstone experience in field ecology for advanced undergraduates majoring in Biology with an Ecology emphasis and a preparatory experience for graduate students entering advanced studies in ecology. [Prereq: BIOL 330 with a grade of C- or higher. Weekly: 2 hrs lect, 6 hrs lab/fieldtrip.]

BIOL 440. Genetics Lab (2). Experiments in modern and classical genetics, using a variety of organisms. [Prereq: BIOL 340 or equivalent with a grade of C- or higher.]

BIOL 480 / BIOL 480L. Selected Topics in Biology (1-3). Topics in current advances as demand warrants. [Prereq: IA. Rep once with different topic and instructor.]

BIOL 482. Supervised Internship (1-12). Students implement the theory and practice of their major my working for a public agency or private firm/organization. [Prereq: IA. Rep twice.]

BIOL 484. Current Topics in Biology (1). The latest biological research examined through weekly seminar presentations by biologists. [CR/NC. A maximum of one unit of this course may be counted toward a major in the biological sciences. Rep.]

BIOL 490. Senior Thesis (1-2). Thesis based on student-designed project approved by advisor. Approval must occur before enrollment. [Prereq: senior standing and IA. Rep once.]


BIOL 498. Marine Biology Capstone Research (2). Independent research conducted under faculty supervision. [Prereq: BIOL 255, BIOL 330, ZOOL 314, senior standing in Marine Biology program.]

BIOL 499. Directed Study (1-2). Individual work for senior students showing special aptitude. Conference, reading, research. [Prereq: IA. Rep once.]

GRADUATE

BIOL 533. Microbial Ecology (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. [*Must co-enroll in BIOL 533D.* Prereq: BIOL 412 or (BIOL 340 and BIOL 330). Weekly: 2 hrs lect, 3 hrs lab. One weekend fieldtrip. Service fee.]

BIOL 533D. Microbial Ecology Discussion (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). [Prereq: BIOL 412 or (BIOL 340 and BIOL 330).]

 **BIOL 534 / BIOL 434. Population & Community Ecology** (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. [Prereq: BIOL 330 or WLDF 301. Weekly: 3 hrs lect, 3 hrs lab.]

BIOL 544. Stem Cell Biology (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. [Prereq: BIOL 410 with a grade of C- or higher. Strongly rec: BIOL 440 and ZOOL 476.]

BIOL 544L. Stem Cell Biology Lab (2). Training in laboratory methods of embryonic stem cell culture maintenance, characterization, and differentiation. [Coreq: BIOL 544.]

BIOL 548. Biogeography (3). Past/present geographic distribution of animal and plant groups. Emphasis on vertebrate animals and vascular plants. [Prereq: BIOL 330. Weekly: 3 hrs seminar/recitation.]

BIOL 554. Plant/Animal Interactions (3). Current research in pollination biology and plant/herbivore relations. Critique journal articles. [Prereq: STAT 108 or STAT 109 or equivalent. Rep.]

BIOL 564. Transmission and Scanning Electron Microscopy (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. [Prereq: IA required, BOT 105, BIOL 105, ZOOL 110.]

BIOL 580 / BIOL 580L. Selected Topics in Biology (1-3). Topics on current advances as demand warrants. [Prereq: grad standing and IA. Lect./lab as appropriate. Rep once.]

BIOL 683. Introduction to Graduate Studies (1). Orientation to research opportunities. Plan and develop master's project. Beginning grad students should enroll at earliest opportunity. [Prereq: acceptance into master's program in biology. Weekly: 1 hr seminar/recitation.]

BIOL 684. Introduction to Graduate Research (1). Orientation to research opportunities, funding, and planning. Develop and present a research proposal with peer review. [Prereq: BIOL 683 or classified grad standing in biology.]

BIOL 685. Seminar in Biology (1). Review and report on current literature and problems. [Prereq: grad standing. Rep.]

BIOL 690. Thesis (1-4). Individual work on thesis required for master's degree. [Prereq: consent of major advisor. Rep.]

BIOL 699. Independent Study (1-4). Individual work on appropriate topic. [Prereq: consent of advisor. Rep.]

CREDENTIAL/LICENSURE

BIOL 700. In-Service Professional Training in Biology (1-3). Directed studies for biology professionals desiring advanced or specialized instruction, especially that leading to credentialing and certification. [Prereq: IA. Rep once.]

Botany

LOWER DIVISION

BOT 105. General Botany (4). Structure, function, reproduction, life cycles, and phylogenetic relationships of major plant groups. Relationships of plants to other organisms and to human activities. [Weekly: 3 hrs lect, 3 hrs lab. GE.]

BOT 198. Supplemental Instruction (1). Collaborative work for students enrolled in introductory botany. [CR/NC. Rep.]

UPPER DIVISION

BOT 300. Plants & Civilization (3). Plants that have played important roles in our economic, social, and cultural development. Ethnobotanical aspects of edible, medicinal, and psychoactive plants. [Prereq: completed lower division life science GE. Cannot be used to satisfy major requirements of biological sciences majors. GE.]

BOT 310. General Plant Physiology (4). Plant growth, development, reproduction, metabolism, photosynthesis, soil/water relations, inorganic nutrition, and translocation. Quantitative analysis of physiological functions. [Prereq: BIOL 105, BOT 105, and PHYX 106, or their equivalents. All with a grade of C- or higher. Weekly: 2 hrs lect, 6 hrs lab.]

BOT 322 / BOT 522. Developmental Plant Anatomy (4). 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. [Prereq: BOT 105 and BIOL 105.]

BOT 330. Plant Ecology (2). Principles governing structure and dynamics of plant populations and communities. Topics include community sampling, interspecific interactions, population viability analysis, and conservation issues. [Prereq: BIOL 330 or WLDF 301 or WLDF 310 or FOR 131 with a grade of C- or higher.]

BOT 330L. Plant Ecology Lab (1). Apply concepts and methods from BOT 330. [Prereq: BOT 330 (C).]

BOT 350. Plant Taxonomy (4). Identify ferns, gymnosperms, and flowering plants. Recognize families and key plants in the local flora. [Prereq: BIOL 105 and BOT 105, or their equivalents. Both with a grade of C- or higher. Weekly: 2 hrs lect, 6 hrs lab or field trip.]

BOT 354. Agrostology (4). Taxonomy, identification, and relationships of grasses of North America. [Prereq: BIOL 105 and BOT 105, or their equivalents. Weekly: 2 hrs lect, 6 hrs lab.]

BOT 355. Lichens & Bryophytes (4). Biology, ecology, natural history, and taxonomy of lichens, liverworts, hornworts, and mosses. Emphasis: epiphytic habitats. [Prereq: BOT 105 with a grade of C- or higher. Weekend field trips. Weekly: 2 hrs lect, 6 hrs lab.]

BOT 356 / BOT 556. Phycology (4). Biology and evolution of photosynthetic eukaryotes. Marine

algal ecology. Field trips, identification skills, micro- and macroalgal sampling, data analysis, scientific writing. [Prereq: BIOL 105, BOT 105, STAT 108 or STAT 109. Weekly: 2 hrs lect, 6 hrs lab.]

BOT 358. Biology of the Microfungi (2). Morphology, genetics, classification, ecology, and economic importance of yeasts and molds. Emphasis on isolation, culture, and lab techniques. [Prereq: BOT 105 with a grade of C- or higher or IA. Weekly: 1 hr lect, 3 hrs lab.]

BOT 359. Biology of the Ascomycetes & Basidiomycetes (2). Morphology, anatomy, classification, genetics, ecology, physiology, and economic importance of ascomycetes and basidiomycetes. [Prereq: BOT 105 with a grade of C- or higher or IA. Weekly: 1 hr lect, 3 hrs lab/fieldwork.]

BOT 360. Biology of the Fleshy Fungi (2). Systematics, ecology, toxicity, biological interactions, and culturing of mushrooms, polypores, chanterelles, boleti, and puffballs. Emphasis: Northern California fungi. [Prereq: BOT 105 with a grade of C- or higher or IA.]

BOT 360L. Biology of the Fleshy Fungi Lab (2). [Prereq: BOT 360 (C) or IA. Weekly: 6 hrs lab/fieldwork.]

BOT 372 / BOT 572. Evolutionary Morphology of Plants (4). 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. [Prereq: BOT 105 and BIOL 105.]

BOT 394. Forest Pathology (3). Biology of diseases affecting trees in the forest and forest nursery. Emphases: fungi, mistletoes. [Prereq: BOT 105 with a grade of C- or higher or IA. Weekly: 1 hr lect, 6 hrs lab/fieldwork.]

BOT 399. Supplemental Work in Botany (1-3). For transfer student whose prior coursework is not equivalent to corresponding courses at HSU. Directed study. [Prereq: DA. Rep once.]

BOT 458. Pollination Biology (3). Pollinator diversity and behavior; plant mating systems; coevolution. Basic lab and field methods. Develop plans for senior thesis. [Prereq: BIOL 330 or WLDF 300 with a grade of D or higher, plus any taxonomy course. Weekly: 2 hrs lect, 3 hrs lab.]

GRADUATE

BOT 521. Paleobotany (3). Principles of reconstructing past terrestrial landscapes, environments, and plant communities. Techniques for finding, analyzing, and interpreting fossil evidence. [Prereq: 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.]

BOT 522 / BOT 322. Developmental Plant Anatomy (4). 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. [Prereq: BOT 105 and BIOL 340 (C).]

BOT 553. Marine Macrophyte Ecology (3). Ecology of marine algae and seagrasses. Lectures: from evolutionary ecology to diversity and ecosystem health. Labs: methods, student projects. [Prereq: BIOL 330 and BOT 356.]

BOT 556 / BOT 356. Phycology (4). Biology and evolution of photosynthetic eukaryotes. Marine algal ecology. Field trips, identification skills, micro- and macroalgal sampling, data analysis, scientific writing. [Prereq: BOT 105 and BIOL 330. Weekly: 2 hrs lect, 6 hrs lab.]

BOT 572 / BOT 372. Evolutionary Morphology of Plants (4). 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. [Prereq: BOT 105 and BIOL 307 (C).]

BOT 580 / BOT 580L. Selected Topics in Botany (1-3). Topics on current advances as demand warrants. [Prereq: grad standing and IA. Rep once.]

Business Administration

LOWER DIVISION

BA 110. Introduction to Business (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.

BA 180. Topics in Business (1-4). Introductory level content. [CR/NC. Rep up to 4 units.]

BA 210. Legal Environment of Business (4) **FS**. Judicial system, constitution, administrative agencies, torts, crimes, creation and performance of contracts, sales, consumer protection, commercial paper, and business ethics. Law case studies.

BA 250. Financial Accounting (4) **FS**. 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. [Prereq: ELM score of 42 or higher. Weekly: 4 hrs lect/disc.]


BA 252. Management Accounting (4) **FS**. Introduction to accounting information system used for internal decision making within organizations, which include planning, operational control, and performance evaluation. [Prereq: BA 250 (including spreadsheet skills). Weekly: 4 hrs lect.]

UPPER DIVISION

BA 310. Business Law (4) **S**. Agencies, administrative regulations, partnerships, corporations, security regulations, labor and employment, antitrust, property, insurance, international, professional liability. Law case studies. [Prereq: BA 210 or IA.]

BA 332. Intermediate Business Statistics (4) **FS**. Multiple regression. General linear hypothesis and ANOVA. Regression and autoregression of


time-series data plus other forecasting models. Statistical quality control. Research planning and analysis. Computer applications. [Prereq: STAT 108.]


 **BA 340. Principles of Marketing (4) FS.** Domestic and international institutions, concepts, and management processes in marketing. Marketing research. Simulations, cases, exercises. Computer applications.

BA 360. Principles of Finance (4) FS. Basic skills for analyzing financial data. Time value of money; techniques and ratios commonly used in financial analysis. [Prereq: BA 250 and STAT 108.]


BA 370. Principles of Management (4) FS. Theory, behavior, production and operations, and interpersonal communication in organizations: large or small, profit or nonprofit, domestic or international.

BA 378. Small Business Management (4) S. Planning, start up, sources of capital, location, form, budgeting, record keeping, marketing, management.

 **BA 379. Business Plan Development (4) F.** The study of entrepreneurial strategy and implementation, culminating in the preparation of a comprehensive business plan. [Prereq: BA 378.]

 **BA 401. Advanced Sustainable Management Applications (4) S.** Experiential learning opportunities for students to apply sustainable business practices in classroom and fieldwork settings. [Prereq: BA 340 and BA 370 with grades of C- or higher.]

BA 410. International Business (4) F. Global geopolitical, economic, and social environments and their interrelationships with all phases of business. Cases and projects. [Prereq: BA 370. DCG-n.]

 **BA 417. Small Business Consulting (4) S.** Complete a consulting project with local business under supervision of Small Business Institute director. Class meeting, field work each week. Seniors and grad students only. [Prereq: (business majors) BA 340, BA 360, BA 370, or equivalent; (other majors) consent of SBI director. Weekly: 4 hrs lect/disc.]

BA 444. International Marketing (4) F. Characteristics/potentials of foreign markets and marketing systems. Different cultures' effects on consumers in those markets. [Prereq: BA 340 or equivalent, or IA.]

BA 445. Marketing Communications (4) F. 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. [Prereq: BA 340 or equivalent.]

BA 446. Marketing Research (4) S. 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. [Prereq: BA 340 and STAT 108, or equivalent.]

BA 448. Consumer Behavior (4) S. 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. [Prereq: BA 340 with a grade of C- or higher.]

BA 450. Intermediate Financial Accounting I (4) F. 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. [Prereq: BA 252 or equivalent.]

BA 451. Intermediate Financial Accounting II (4) S. Financial accounting theory, regulations, and practice for valuing and reporting liabilities, equity, and cashflows. Includes coverage of current, special topics relevant to financial accounting. [Prereq: BA 450.]

BA 452. Cost Accounting, Planning & Control (4) S. 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. [Prereq: BA 450, STAT 108, intermediate spreadsheet skills.]

BA 453. Tax Accounting (4) F. 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 Option majors. [Prereq: BA 252 — lower division business core.]

BA 454. Financial Statement Auditing (4) F. Introduction to the U.S. auditing standards and procedures applicable to an organization's financial statements and financial accounting system. Primarily for Accounting Option majors. [Prereq: BA 252 — lower division business core.]

BA 455. Governmental & Nonprofit Accounting (4) S. 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. [Prereq: BA 451 (C) and upper division business majors only.]


BA 460. Investment Management (4) F. 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. [Prereq: BA 360.]

BA 462. Problems in Financial Management (4) S. 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. [Prereq: BA 360.]

BA 464. International Business Finance (4) S. Specific finance problems encountered in a corporation with substantial international involvement.

International equivalent of a corporate finance course, in contrast to a course that deals with international financial markets. [Prereq: BA 360.]

BA 468. Capital Budgeting (4) F. 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. [Prereq: BA 360.]


 **BA 470. Organization & Management Theories (4) F.** 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). [Prereq: BA 370.]

BA 472. Change Management (4) F. 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. [Prereq: BA 370 and STAT 108, or equivalent.]

BA 475. International Management (4) S. The course will focus on cultural factors that affect behavior in the workplace. It also develops and examines the necessary managerial skills for directing and improving organizational performance internationally. [Prereq: BA 370.]

BA 480. Selected Topics in Business (1-4) FS. Topics of current or historic interest. [Rep with different topics.]

BA 482. Internship (1-4) S. Supervised experience in business, governmental, or service agencies. Match theory with practice. Weekly conferences and final report. [Letter grade only. Prereq: senior business or economics major, IA. Weekly: 3 hrs per credit unit. Rep once.]

 **BA 494. Business & Society (4) FS.** Problems arising from interface of business and government, business ethics, government regulation, and international business. Senior seminar. [Prereq: BA 340, BA 360, BA 370; or equivalent.]

 **BA 496. Strategic Management (4) FS.** Capstone course integrating all business core courses into design of strategic business plans. Domestic/international cases. Simulations and projects. Micro/mainframe computer applications. [Prereq: BA 340, BA 360, BA 370; business administration majors only; completion of all lower division core courses. Weekly: 4 hrs lect/disc.]

BA 496S. Strategic Management (4) FS. 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. [Prereq: BA 340, BA 360, BA 370; business administration majors only; completion of all lower division core courses. Weekly: 4 hrs lect/disc.]

BA 499. Directed Study (1-4) FS. Research work. Open to advanced students with DA. [Rep once.]

GRADUATE

MBA 605. Strategic Sustainability Foundations (4) F. 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. [Prereq: undergraduate foundation courses in accounting, economics, finance, and statistics; admission to MBA program.]

MBA 610. Research Methods (4) F. Fundamentals of designing a research project, assessing current research, managing large data sets, and effectively using advanced statistical techniques for analysis and publication.

MBA 620. Accounting for the Triple Bottom Line (4) F. 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.

MBA 630. Marketing Management for Shared Value (4) S. Traditional marketing no longer satisfies the dynamic needs of communities in the 21st century. In this hands-on course, we reimagine marketing management through cutting edge perspectives on shared value creation. [Prereq: MBA 605, MBA 610, MBA 620.]

MBA 640. Financial Management for Sustainable Growth (4) S. 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. [Prereq: MBA 605, MBA 610, MBA 620.]

MBA 650. Designing Sustainable Organizations (4) S. 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. [Prereq: MBA 605, MBA 610, MBA 620.]

MBA 675. Sustainability/Ethics (4) Su. 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. [Prereq: MBA 630, MBA 640, MBA 650.]

MBA 679. Strategic Analysis (4) Su. Synthesize management, marketing, finance, production, and other functions into unified strategies for organizations (local, national, international). [Prereq: MBA 630, MBA 640, MBA 650. Coreq: MBA 692.]

MBA 680. Selected Topics in Business Administration (1-4). Open to grad students with IA.

MBA 682. Business Internship (2). 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. [Prereq: MBA 610, MBA 620, MBA 630, MBA 640, MBA 650. Coreq: MBA 675, MBA 679, MBA 692. MBA students only.]

MBA 692. Master's Degree Project (1). Apply principles of business administration and economics to analysis, evaluation, and strategic management of organizations. [Coreq: MBA 679. Rep twice.]

MBA 699. Independent Study (1-4). Research work. Open to grad students with consent of MBA director.

Chemistry

Chemistry majors and minors must earn a minimum grade of C- in all chemistry courses.

LOWER DIVISION

CHEM 107. Fundamentals of Chemistry (4). Terminal course. Fundamental concepts and applications of general and inorganic chemistry. [Letter grade only. Prereq: ELM score of 42 or higher. Weekly: 3 hrs lect, 3 hrs lab. GE.]

CHEM 109. General Chemistry I (5) FS. Fundamental concepts: chemical foundations, stoichiometry, chemical reactions, gases, thermochemistry, atomic theory, bonding, liquids, solutions. For students in science, engineering, and related majors. [Letter grade only. Prereq: math remediation completed or not required. Weekly: 3 hrs lect, 3 hrs lab, 1 hr disc. GE.]

CHEM 110. General Chemistry II (5) FS. 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. [Letter grade only. Prereq: CHEM 109. Weekly: 3 hrs lect, 6 hrs lab.]

CHEM 117. Nursing Chemistry (1). Brief survey of organic and biochemistry with emphasis on nursing topics. In conjunction with CHEM 107, meets nursing discipline requirements. [Prereq: CHEM 107 (C), ELM score of 42 or higher.]

CHEM 128. Introduction to Organic Chemistry (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. [Prereq: CHEM 107. Weekly: 2 hrs lect, 3 hrs lab.]

CHEM 198. Supplemental Instruction (1). Collaborative work for students enrolled in chemistry. [CR/NC. Rep.]

UPPER DIVISION

CHEM 308. Alchemy (3). Inquiry into materials, methods, and processes of alchemy from perspectives of alchemist, contemporary chemistry. [GE.]

CHEM 310. Inorganic Chemistry I (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. [Letter grade only. Prereq: CHEM 110 with a grade of C- or higher.]

CHEM 321 - CHEM 322. Organic Chemistry (5 & 5). One-year sequence. Chemical bonding, physical properties, stereochemistry, reaction mechanisms, synthesis. [Letter grade only. Prereq for CHEM 321: CHEM 110 with a grade of C- or higher. Prereq for CHEM 322: CHEM 321 with a grade of C- or higher; must take CHEM 323 concurrently. Weekly each semester: 3 hrs lect, 6 hrs lab.]

CHEM 323. Nuclear Magnetic Resonance Spectroscopy (NMR) Techniques (1). Operate NMR spectrometer; prepare samples. Individual projects. [Prereq: CHEM 321. Coreq: CHEM 322. CR/NC.]

CHEM 328. Brief Organic Chemistry (4) FS. For majors in biological science/natural resource areas. Nomenclature, physical properties, synthesis, and reactions of compounds representing major functional group categories. Reaction mechanisms emphasized. [Letter grade only. Prereq: CHEM 107 or CHEM 110 with a grade of C- or higher. Weekly: 3 hrs lect, 3 hrs lab.]

CHEM 330. Molecular Modeling (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. [Prereq: CHEM 328 or CHEM 322 (C). Weekly: 2 hrs lect, 3 hrs lab.]

CHEM 341. Quantitative Analysis (5) F. 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. [Prereq: CHEM 110 with a grade of C- or higher. Weekly: 3 hrs lect, 6 hrs lab.]

CHEM 361. Physical Chemistry I (3). Application of quantitative mathematical methods to fundamental chemical systems: equilibrium thermodynamics and chemical kinetics. [Prereq: PHYX 107 or PHYX 111(C), and MATH 205 or MATH 210; all with grades of C- or higher. Weekly: 2 hrs lect, 2 hrs activ.]

CHEM 362. Physical Chemistry II (3). Application of quantitative mathematical methods to fundamental chemical systems: quantum theory, spectroscopy, and statistical thermodynamics. [Prereq: CHEM 361 with a grade of C- or higher. Weekly: 2 hrs lect, 2 hrs activ.]

CHEM 363. Physical Chemistry II Lab (2). Experimental application of quantitative mathematical methods to fundamental chemical systems: laboratory investigations in equilibrium thermodynamics, chemical kinetics, quantum theory, spectroscopy, and statistical thermodynamics. [Prereq: CHEM 341 with a grade of C- or higher and CHEM 362 (C). Weekly: 6 hrs lab.]

CHEM 370. Earth System Chemistry (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. [Prereq: CHEM 107 or CHEM 110 with a grade of C- or higher. Cannot be taken CR/NC.]

CHEM 399. Supplemental Work in Chemistry (1-3). Directed study for transfer student whose prior coursework is not equivalent to corresponding courses at HSU. [Prereq: DA. Rep.]

CHEM 410. Inorganic Chemistry II (3). Advanced concepts: chemistry and organometallic compounds of the transition metals, the lanthanoids, and the actinoids; reaction mechanisms; catalysis; solid state chemistry. [Prereq: CHEM 310. Offered alternate years.]

CHEM 410L. Inorganic Chemistry II Lab (2). Advanced laboratory and instrumentation techniques: synthesis, characterization, and reactions of inorganic and organometallic compounds. [Letter grade only. Prereq: CHEM 310 with a grade of C- or higher and CHEM 410 (C). Weekly: 6 hrs lab. Offered alternate years.]

CHEM 431 - 432. Biochemistry (5-5). One-year lect/lab sequence. Biochemical energetics, introductory metabolism, nature and mechanism of action of enzymes. [Prereq for CHEM 431: CHEM 110, any calculus course, and either CHEM 322 or CHEM 328 with a grade of C- or higher. Prereq for CHEM 432: CHEM 431 with a grade of C- or higher. Weekly: 3 hrs lect, 6 hrs lab.]

CHEM 438. Introductory Biochemistry (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. [Prereq: CHEM 322 or CHEM 328 with a grade of C- or higher. Weekly: 3 hrs lect, 1 hr disc.]

CHEM 441. Instrumental Analysis (4). Principles and methods. For chemistry majors and others requiring training in instrumental techniques of analysis. [Prereq: CHEM 341. Weekly: 2 hrs lect, 6 hrs lab.]

CHEM 480. Selected Topics in Advanced Chemistry (1-4). [Prereq: IA. Rep.]

CHEM 485. Seminar in Chemistry (1). Seminar presentations on current chemistry topics by majors with senior standing in chemistry. Capstone course. All chemistry majors are encouraged to attend. [Prereq: Senior standing. Rep.]

CHEM 495. Undergraduate Research (1-3). Individual investigation of selected problem. Conference, reading, research. Final written report. For students showing outstanding ability. [Prereq: IA. Rep.]

CHEM 499. Directed Study (1-4). [Prereq: IA. Rep.]

GRADUATE

CHEM 599. Independent Study (1-3). [Prereq: IA. Rep.]

Child Development

LOWER DIVISION

CD 109Y. American Sign Language: Level I (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.]


CD 109Z. American Sign Language: Level II (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. [Prereq: CD 109Y or IA. GE.]


CD 180. Topics in Child Development (1-9). Introductory level content. [CR/NC. Rep up to 9 units.]


CD 211. Perspectives: Professional Development (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.

CD 211S. Perspectives: Professional Development (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.

CD 251. Children, Families & Their Communities (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.

 **CD 253. Prenatal & Infant Development** (3). Development through toddlerhood in a family context. Biological and environmental influences that determine normative and individual development. Interpret theories and research.

 **CD 255. Early Childhood Development** (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.


 **CD 256. Middle Childhood Development** (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.

CD 257. Supervised Work with Children I (4). Build relationships and communication skills as a foundation for guidance. Create safe and healthy learning environments in a group setting. [Prereq: CD 255 (C) or CD 256 or PSYC 213. Weekly: 3 hrs lect, 3 hrs lab.]

CD 280. Topics in Child Development (.5-9). Topics requiring background in the field. Oral and/or written communication. [Rep up to 9 units. CR/NC.]

UPPER DIVISION

CD 310. Perspectives: History & Theory (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. [Prereq: CD 251 and CD 253, CD 255 or CD 256. DCG-d]

 **CD 350. Perspectives: Life-Span Development** (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.

CD 352. Parent/Child Relationships (3). Dynamics, reciprocal nature of interactions. Historic and contemporary issues. Ethnic and social class variations. [Prereq: CD 253 or CD 255 or PSYC 213 or SW 350. DCG-d.]


CD 354. Methods of Observation (3). Observational strategies and their advantages/disadvantages. Historical background. Standard observational devices. Ethical issues. Summarize and interpret observational records. [Prereq: general course in child growth/development (such as CD 253, CD 256, PSYC 213, PSYC 311, or SW 350). Weekly: 2 hrs lect, 1 hr lab.]

CD 355. Language Development (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. [Prereq: CD 253 or CD 255 or CD 256.]

CD 356. Curriculum Development for Early Childhood (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. [Prereq: CD 255 or CD 256.]

CD 357. Early Literacy (3). Review principles. Analyze theoretical approaches to facilitating literacy. Examine literary resources. [Prereq: CD 255 or CD 256.]

CD 358. Supervised Work with Children II (4). Analyze and implement a constructionist approach with children. Developmental theory; role of adult in facilitating learning; interactive environments; group dynamics. [Prereq: CD 257 or IA. Weekly: 3 hrs lect, 3 hrs lab.]

 **CD 362. Children & Stress** (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. [Prereq: CD 352 (C), and CD 253 or CD 255 or CD 256.]

CD 366. Exceptional Children & Their Families (3). Historical aspects, terminology, factors having an impact on family dynamics, legislation, and intervention models. [Prereq: CD 352, and CD 253 or CD 255 or CD 256.]

CD 380. Topics in Child Development (.5-9). In-depth discussion of mid-level topics introduced in the Child Development Curriculum, such as new

CD matrix requirements. [Prereq: (C) CD 253 or CD 255 or CD 256 or CD 350; upper division status recommended. Rep up to 9 units. CR/NC.]

CD 446. Structure & Content of Children's Thinking (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. [Prereq: CD 354 (C), and CD 255 or CD 256. Weekly: 2 hrs seminar; 2 hrs lab.]

CD 463. Administration of Early Childhood Programs (3). Organizing and administering programs for young children: community and government regulations; financial planning; selecting and supervising staff; arranging and selecting facilities and equipment. [Prereq: CD 257 or CD 358 (C).]

CD 464. Atypical Child Development (3). Develop cognitive, social, motor, and communication skills in handicapped and at-risk children (0-6 years). Risk factors, family concerns, public policy, intervention. [Prereq: CD 354 (C).]

CD 467. Working with Culturally Diverse Families (3). Family attitudes, goals, and practices impacted by gender, social class, ethnicity, racial membership. Sensitize self to personal perspectives on diversity. Seminar format. [Rec: CD 352 or PSYC 303 or SOC 306. Must have junior standing or greater. DCG-d.]

CD 467S. Working with Culturally Diverse Families (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. [Rec: CD 352 or PSYC 303 or SOC 306. Must have junior standing or greater. DCG-d.]

CD 469. Contemporary Issues in Child Development (3). Define issues, trace historical antecedents, recognize underlying assumptions, organize relevant facts, draw warranted conclusions. Seminar format. [Prereq: CD 310 and junior standing or greater.]

CD 479. Policy Analysis & Advocacy (3). Analyze public/private policies affecting families. Methods of influencing family policy development. [Prereq: junior standing or greater; completed core in child development or family studies minor.]

CD 480. Selected Topics (.5-3). Focus on current issues. [Prereq: IA; upper division status recommended. Rep.]

CD 482. Directed Field Experience (1-4). Supervised community field work integrating theory into practice. [CR/NC. Arrange prior to semester enrolled. Rep once.]

CD 499. Directed Study (1-4). Directed readings and assignments approved by instructor. [Rep.]

GRADUATE

CD 546. Structure & Content of Children's Thinking (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. [Prereq: CD 354 (C), and CD 255 or CD 256. Weekly: 2 hrs seminar; 2 hrs lab.]

CD 580. Special Topics in Child Development (1-3). [Prereq: grad standing, IA. Rep up to 9 units.]

Chinese Studies

LOWER DIVISION

CHIN 105. Chinese Level I (4). Introduction to Chinese language and culture. Students learn the pronunciation of Chinese, an introduction to Chinese characters, and the basics of conversation and grammar in the context of presentations on language and culture. [Coreq: CHIN 105L.]

CHIN 105L. Chinese Laboratory Level I (1). Must be taken with CHIN 105. Self-directed, subscription-based online language course. [Coreq: CHIN 105.]

CHIN 106. Chinese Level II (4). Students develop basic conversational skills and beginning proficiency in reading and writing Mandarin Chinese. Authentic linguistic and cultural contexts may include music, dance, Chinese philosophy, and the history of idioms. [Recommended Preparation: CHIN 105. Coreq: CHIN 106L. GE.]

CHIN 106L. Chinese Laboratory Level II (1). Must be taken with CHIN 106. Self-directed, subscription-based online language course. [Coreq: CHIN 106.]

CHIN 107. Chinese Level III (4). Intermediate Mandarin Chinese language and cultures. Authentic linguistic and cultural contexts may include historical idioms, philosophy, religion, multicultural festivals and lifestyles in China, calligraphy, current events, and China-U.S. relations. [Recommended Preparation: CHIN 106 or equivalent. Coreq: CHIN 107L. DCG-n. GE.]

CHIN 107L. Chinese Laboratory Level III (1). Must be taken with CHIN 107. Self-directed, subscription-based online language course. [Coreq: CHIN 107.]

CHIN 109 / ES 109. Introduction to Chinese Studies (3). This course employs historical, philosophical, comparative, and interdisciplinary approaches to study Chinese cultures and societies in global and local contexts. [Rep. DCG-n. GE.]

CHIN 207. Chinese Level IV (4). Intermediate Mandarin Chinese language and cultures. Authentic linguistic and cultural contexts. Compare and contrast cultural and ethnic groups in China, and Chinese and U.S. worldviews, religion, education, and economy. [Recommended Preparation: CHIN 107 or equivalent. Coreq: CHIN 207L. DCG-n.]

CHIN 207L. Chinese Laboratory Level IV (1). Must be taken with CHIN 207. Self-directed, subscription-based online language course. [Coreq: CHIN 207.]

CHIN 280. Special Topics (1-4). This lower division seminar intends to provide language and cultural background knowledge to students and to encourage interaction between students and instructor/invited guest speakers and among the students themselves. [Rep.]

UPPER DIVISION

CHIN 390 / ANTH 390. Chinese Cultural Heritage Seminar (4). Culture, values, and social interaction in Chinese Regions. Analyze cultural integration, contact, change, and development in historical and contemporary contexts. [Interchangeable with ANTH 390 only when it is offered as Chinese Cultural Heritage Seminar.]

CHIN 480. Undergraduate Seminar (1-4). Special topics in Chinese language, literature, history, and culture. [Rep.]

CHIN 499. Directed Study (1-4). Directed readings and assignments approved by instructor. [Rep.]

Communication

These courses at one time had an SC prefix (Speech Communication).

LOWER DIVISION

COMM 100. Fundamentals of Speech Communication (3). Introductory course. Develop oral communication abilities for functioning effectively in various settings. Fundamental communication theory. [GE.]

COMM 102. Introduction to Argumentation (3). Principles of reasoning, analysis, strategy, evidence, and delivery in presenting/evaluating arguments. [GE.]

COMM 103. Critical Listening & Thinking (3). From listener's (consumer's) perspective, apply reasoned inquiry in evaluating marketplace communication. [GE.]

COMM 105. Introduction to Human Communication (3). Perceptual effects, verbal/nonverbal codes, and dynamics of interpersonal, group, and organizational communication. [GE.]

COMM 108. Oral Interpretation (3). Perform prose and poetry. [GE.]

COMM 110. Intercollegiate Speech & Debate (1-3). Prepare for intramural/intercollegiate forensics. [Rep.]

COMM 213. Interpersonal Communication (3). Discuss and apply concepts/theories relating to self and self/other communication.

COMM 214. Persuasive Speaking (3). Principles and practices of persuasion in various communication contexts. Prepare extemporaneous persuasive speeches.


UPPER DIVISION

COMM 300. American Public Discourse (3). Critique genres of discourse and their importance in American culture. [DCG-d. GE.]

COMM 309B / WS 309B. Gender & Communication (3). Critique relationship of gender to communication as viewed from perspectives of sciences, social sciences, and arts/humanities. [GE. CWT. DCG-d.]

COMM 310. Advanced Intercollegiate Speech & Debate (1-3). Prepare for intramural/intercollegiate forensics. [Rep.]

COMM 312. Group Communication (4). Principles, practices, and theories: formation, cohesion, change, problem solving, roles, leadership, norms, efficiency.

 **COMM 315. Communication and Social Advocacy** (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. [Prereq: COMM 100 or equivalent. DCG-d.]

COMM 319. Communication Research (4). Social scientific and humanistic research methods. [Prereq: COMM 105 or IA.]

COMM 322. Intercultural Communication (4). Develop skills for communicating in various settings with people from different cultural backgrounds. [DCG-d.]

COMM 324. Nonverbal Communication (4). How human communication behaviors acquire meaning. Body language, voice, and use of our environment.

COMM 404. Theories of Communication Influence (4). How communication influences human thought and behavior. Theories of argumentation and persuasion in various communication contexts. [Prereq: COMM 105 or IA.]

COMM 411. Organizational Communication (4). Interpersonal, small group, and systemic communication in organizations. Improve skills; increase understanding of communication process. Substantial independent work with instructor supervision. [Prereq: COMM 105 or IA.]

COMM 414. Rhetorical Theory (4). Major communication theories, from classical period to present, using rhetorical perspective. [Prereq: COMM 105 or IA.]

COMM 415. Communication Theory (4). Multidisciplinary survey of theories from perspective of social sciences. [Prereq: COMM 105 or IA.]

COMM 416. Social Advocacy Theory & Practice (3). Explores theories, models, and case studies pertaining to the study of social advocacy. [Prereq: COMM 315 (C).]

COMM 422. Children's Communication Development (4). Emergence and refinement of communication skills in children. Role of interaction in cognitive, social, and personal development. Strategies to enhance communication.

COMM 426. Adolescent Communication (4). Strategies of adolescents from diverse cultural backgrounds. Develop communication skills useful in working with them.

COMM 472. Convention Experience (1). Purposeful attendance and thoughtful analysis of experience attending a regional or national academic communication convention. [Prereq: COMM 105 (C) or IA. Rec: COMM 319. Communication majors/minors only. Rep 3 times; multiple enrollments in term.]

COMM 473. Conference Experience (1). Preparation and presentation of original communication scholarship at a regional or national conference. [Prereq: COMM 100 and COMM 105 (C), or IA. Rec: COMM 319. Communication majors/minors only. Rep 3 times; multiple enrollments in term.]

COMM 480. Seminar in Speech Communication (1-4). New dimensions in the field. [Rep.]

COMM 490. Capstone Experience (2). Under guidance, complete and present senior project and finalize assessment portfolio. [Recommended before enrolling: COMM 105.]

COMM 495. Field Experiences in Speech Communication (1-6). Either propose and develop a project (under direction of instructor) or perform supervised research on a project initiated by a professor. [Prereq: IA. Rep.]

COMM 499. Directed Study (1-4). Individual study on selected problems. Hours TBA. [Rep.]

Computer Science

Prerequisite courses must be passed with a minimum grade of C.

LOWER DIVISION

CS 100. Critical Thinking with Computers (3). Apply critical thinking skills studying human and computer parallels, computer technology and methodology, and program development. [GE.]

CS 111. Computer Science Foundations 1 (4). Introductory programming covering problem decomposition, control structures, simple data structures, testing, and documentation. Students design and implement a number of programs. [Prereq: MATH 113 (C) or MATH 115 (C).]

CS 112. Computer Science Foundations 2 (4). Object-oriented programming, focusing on classes, instances, methods, encapsulation, inheritance, overloading, multiple inheritance, and exception handling. [Prereq: CS 111. Weekly: 3 hrs lect, 2 hrs lab.]

CS 211. Data Structures (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. [Prereq: CS 112 and MATH 253.]

CS 212. Algorithms (4). Introduction to algorithmic thinking. Recurrences and solution techniques, fundamental algorithms including graph algorithms, algorithm design techniques, balanced trees, performance trade-offs. [Prereq: CS 211, STAT 108 (C), and MATH 105 or MATH 109.]

CS 232. Python Programming (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. [Prereq: CS 111 or IA.]

CS 235. Java Programming (3). Object-oriented programming; event handling; abstract windowing toolkit applets, applications; Java database connectivity; applications programming interface and Java doc. [Prereq: CS 112. Lecture/lab.]

CS 237. Bioinformatics Programming (3). Introductory course on using software tools to solve biological problems. Students collaboratively model genomic and/or proteomic data with scripting and statistical languages. [Prereq: CS 111 and BIOL 105.]

CS 243. Architecture (4). Introduction to computer architecture including assembly language, computer arithmetic, performance measures, datapath, control, pipelining, and memory/storage design. [Prereq: CS 112 and MATH 253. Lecture/lab.]

CS 279. Introduction to Linux (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. [Prereq: CS 111. Lecture/lab.]

CS 280. Selected Topics in Computing (1-3). Special topics in computer science. [Courses with this number have only freshman/sophomore prerequisites, excluding CS 212 and CS 243. Rep.]

CS 280L. Selected Topics in Computing (1-2). Special topics in computer science. [Courses with this number have only freshman/sophomore prerequisites, excluding CS 212 and CS 243. Rep.]

UPPER DIVISION

CS 309. Computers & Social Change (3). How computers influence societal systems. Issues: privacy, employment, politics, social interaction, and risk. Group discussion and writing on selected issues. [GE. CWT.]

CS 325. Database Design (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. [Prereq: CS 112 or GSP 270, and CS 111 or CS 232 or GSP 118.]

CS 328. Web-Apps Using Databases (4). Building applications atop databases. N-tiered architecture; database tier: stored procedures/functions; presentation tier: web GUIs; application tier: controlling web-to-database interactions. [Prereq: CS 325.]

CS 346. Telecommunications & Networks (4). Introduction to the fundamentals of telecommunication and to the structure, implementation, and theoretical underpinnings of computer networking. [Prereq: CS 243 and STAT 108.]

CS 374. Operating Systems (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. [Prereq: CS 211 and CS 243. Lecture/lab.]

CS 435. Software Engineering (3). Introduction to software engineering principles, including discussion of development methodologies, requirements, analysis, project planning, software design, construction, management, and quality assurance.

CS 436. Theory of Computation (3). A study of formal models of computation, such as finite state automata, pushdown automata, and Turing machines. Elements of formal languages to be examined include regular expressions, context-free languages, recursively-enumerable languages, undecidability, and NP-completeness.

CS 444. Robotics (4). A project-based introduction to robotic systems and software that controls them, including gearing, mechanics, AI control systems, and problem solving with robots. [Prereq: CS 211 and STAT 108.]

CS 449. Computer Security (4). Introduction to central concepts of computer security on networked systems. Topics include threats, cryptography, authentication, operating systems in security, legal and privacy issues. [Prereq: CS 346.]

CS 458. Software Engineering (4). Introduction to software engineering principles and methodologies in the context of a semester-long software team project. [Prereq: CS 328 and CS 374.]

CS 461. Computational Models (4). An introduction to the Chomsky hierarchy, automata, Church-Turing Thesis, computability, NP-Completeness, and information theory. [Prereq: CS 212, MATH 253, and MATH 105 or MATH 109.]

CS 480. Advanced Topics in Computing (1-3). Advanced topics in computer science. [Courses with this number must have as a prerequisite at least CS 211. Rep.]

CS 480L. Advanced Topics in Computing (1-2). Advanced topics in computer science. [Courses with this number must have as a prerequisite at least CS 211. Rep.]

CS 482. Internship (1-4). Supervised experience in business, governmental, or service agencies, matching theory with practice. [CR/NC. Prereq: IA. Weekly: 3 hrs per unit of credit.]

CS 499. Directed Study (1-4). Individual study on selected topics. Open to advanced students with consent of faculty sponsor and DA. [Rep by topic for a maximum of 12 units; multiple enrollments in term.]

Criminology & Justice Studies

LOWER DIVISION

CRIM 125. Introduction to Criminology and Justice Studies (3). Introduction to field of criminology and social justice conceptual framework; theoretical perspectives and methods; contemporary crime policy issues: individual to societal.

CRIM 225S. Inequalities and Crime (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. [Prereq: CRIM 125.]

UPPER DIVISION

CRIM 325. Law and Society (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. [Prereq: CRIM 225S.]

CRIM 410. Criminological Theory (4). Examination, application, and critical review of classical and contemporary theories of crime. Classical, Interactionist, Structural, Learning, Critical, and Feminist theories. [Prereq: 225S and junior standing or greater.]

CRIM 431 / SW 431. Juvenile Delinquency (4). Contemporary knowledge; community response; prevention, rehabilitation.

CRIM 432. Crime and Rural Communities (4). Rural communities provide geographic and economic opportunities for crime and injustice. Examines conditions in rural communities that support illicit industries and structural forces which make them targets of crime. [Prereq: junior standing or greater.]

CRIM 433. Punishment and Justice in Cross-National Perspective (4). Comparative examination of punishment and justice from primitive to contemporary societies and cross-culturally. Focus is on structural forces and impacted communities. [Prereq: junior standing or greater.]

Critical Race, Gender & Sexuality Studies

LOWER DIVISION

CRGS 108. Power/Privilege: Gender & Race, Sex, Class (3). How gender is shaped by race, class, and sexuality. Analyze relations of power and privilege within contemporary US society. [DCG-d. GE.]

CRGS 118. College Skills (2). College Skills supports student learning in CRGS 108: Power/Privilege. Must be concurrently enrolled in the specified EOP section of CRGS 108. [Coreq: CRGS 108.]

UPPER DIVISION

CRGS 313 / EDUC 313. Community Activism (3). 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. [DCG-d.]

CRGS 330. Women of Color Feminisms (3). Resistance and activism of women of color in US relative to race/sex/gender/class oppressions; intersectional analysis, theory in the flesh, womanism, feminism. Rotating focus: Chicana, Black, Indigenous, Asian-American, transnational feminisms. [Prereq: CRGS 108 (C) or ES 105 (C) or WS 106 (C) or WS 107 (C).]

CRGS 360 / PSCI 318. Race, Gender & U.S. Law (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. [DCG-d.]

CRGS 390. Theory & Methods (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. [Prereq: ES 105 or WS 106 or WS 107 or CRGS 108. DCG-n.]

CRGS 410. Internship (1-3). Supervised internship in organization or institution. Workplace cultures; policy development/review; plan implementation. May lead to community service project (WS 420). [Prereq: CRGS 108 or ES 105 or ES 106 or WS 106 or WS 107.]

CRGS 430 / ANTH 430. "Queer" Across Cultures (3-4). Explores diversity of categories and meanings of sexuality, sex, and gender across cultures. Analyzes transformation due to colonialism, nationalism, and economic and cultural globalization. Explores intersections with race, class, nation.

CRGS 485. Senior Portfolio (1). Majors synthesize and apply knowledge from the major. Preparation of portfolio for the major including writing samples, reflective essays, resume and research on future work or study. [Prereq: CRGS 108, CRGS 313 (C), CRGS 330 (C), CRGS 360 (C), CRGS 390 (C).]

CRGS 491. Mentoring (1-3). Advanced majors gain experience as teaching assistants working with a diverse body of students. [Prereq: IA.]

Dance

For courses marked with an asterisk (), frequency depends on staff resources/student need.*

LOWER DIVISION

DANC 103. Modern I (3) **FS**. 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. [Rep. GE.]

DANC 103B. Modern II (3) **F**. Continue using contemporary dance forms to increase technical proficiency, endurance, and performance skills. Required for dance studies majors and dance minors. [Prereq: DANC 103 or IA. Rep. GE.]

DANC 110. Ballet I (2) **F**. Techniques, methods of traditional ballet for students at the beginning level. [Rep.]

DANC 120. Jazz Dance Styles I (2) **S**. Techniques and choreography for beginners. [Rep.]

DANC 240. African Dance (1) **FS**. 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. [Rep.]

DANC 245. Middle Eastern Dance (2) **FS**. 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. [Rep.]

UPPER DIVISION

DANC 303. Dance in World Cultures (3) FS. Multi-ethnic 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. [Rep. DCG-n. GE.]

DANC 310. Ballet II (2) S. For those at the intermediate level of ballet technique. [Prereq: DANC 110 or IA. Rep.]

DANC 320. Jazz Dance Styles II (2) F. Intermediate techniques and choreography. [Prereq: DANC 120 or IA. Rep.]

DANC 330. Modern III (3) S. Contemporary dance styles at the intermediate/advanced level. Students enhance their technical skills and performance artistry. Students explore professional opportunities and prepare for auditions. [Prereq: DANC 103B or IA. Rep.]

DANC 350. Dance Science (3) F. Study of the structure and function of the musculoskeletal system as related to dance training/performance. Basic anatomy, biomechanics, and the care and prevention of common dance injuries are examined.

DANC 380. Special Topics in Dance — Activity Based (1-3) FS.* Special topics in dance studies to be determined by program need and student interest. Topics vary. [Rep; multiple enrollments in term.]

DANC 389. Choreography Workshop (3) F. Use of improvisational dance techniques as a performance tool for the development of choreography. Emphasis on student choreography. Required for dance studies majors and dance minors. [Prereq: DANC 103B or IA. Rep.]

DANC 400. Bodyworks (3) S. A somatics, 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. [Rep. GE.]

DANC 480. Special Topics in Dance (1-4) FS.* Special topics in dance studies to be determined by program need and student interest. Topics vary. Offered as funding permits. [Rep; multiple enrollments in term.]

DANC 484. Creative Dance for the Classroom (3) S. Develop skills for teaching dance. Course implements national dance standards and California Visual and Performing Arts Framework. No previous dance experience necessary. [Rep.]

DANC 485. Interdisciplinary Seminar (3) F. Develop skills in interdisciplinary creation, collaboration, research and vision. Exploration across artistic and academic disciplines, culminating in collaborative presentations, research projects or performances. Open to all HSU students; required of ISDS majors. [Prereq: DANC 103B or IA. Rep twice.]

DANC 488. Dance Performance Ensemble (1-4) S. Rehearse and perform selected dance choreography. Emphasis on dance technique, performance skills, and collaboration. [Prereq:

audition or IA. Coreq: enrollment in dance class of appropriate genre or IA. Rep 5 times for a maximum of 12 units.]

DANC 489. Dance Theatre Production (4) S. Rehearse and coproduce a dance concert. Emphasis on compositional, collaborative, and leadership skills. Required for dance majors. [Prereq: audition, ISDS major, or IA. Rep.]

DANC 499. Directed Study (1-4) FS. Independent study, studio instruction, and/or supervised activities. [Rep twice for a maximum of 9 units; multiple enrollments in term.]

Economics

LOWER DIVISION

ECON 104. Contemporary Topics in Economics (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. [GE.]

ECON 210. Principles of Economics (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. [Prereq: math remediation completed or not required.]

ECON 210L. Supplemental Instruction (1). Supplemental instruction for ECON 210. 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. [Coreq: ECON 210. CR/NC.]

ECON 280. Special Topics in Economics (1-4). Supplemental activities for econ courses. [Rep with different courses; multiple enrollments in term.]

UPPER DIVISION

ECON 305. International Economics & Globalization (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.* [GE.]

ECON 305D. International Economics & Globalization — Add'l Depth (1). Additional depth of content for ECON 305. Students receive single grade for combined four units of ECON 305 and ECON 305D. [Prereq: ECON 210. Coreq: ECON 305.]

ECON 306. Economics of the Developing World (3). Explore economic theory underlying development policies. Evaluate World Bank & IMF policy. Case studies covering poverty, inequality, trade & growth policy, debt issues, health, educa-

tion, population, sustainable development, women in agriculture. *Economics and business administration majors MUST co-enroll in ECON 306D.* [DCG-n. GE.]

ECON 306D. Economics of the Developing World — Add'l Depth (1). Additional depth of content for ECON 306. Students receive single grade for combined four units of ECON 306 and ECON 306D. [Prereq: ECON 210. Coreq: ECON 306.]

ECON 308. History of Economic Thought (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.* [GE.]

ECON 308D. History of Economic Thought — Add'l Depth (1). Additional depth of content for ECON 308. Students receive single grade for combined four units of ECON 308 and ECON 308D. [Prereq: ECON 210. Coreq: ECON 308.]

ECON 309. Economics of a Sustainable Society (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.* [GE. CWT.]

ECON 309D. Economics of a Sustainable Society — Add'l Depth (1). Additional depth of content for ECON 309. Students receive single grade for combined four units of ECON 309 and ECON 309D. [Prereq: ECON 210. Coreq: ECON 309.]

ECON 310. Intermediate Microtheory & Strategy (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. [Prereq: completed GE math or higher; ECON 210.]

ECON 311. Intermediate Macroeconomics (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. [Prereq: completed GE math or higher; ECON 210.]

ECON 320. Development of Economic Concepts (3). Equips teaching credential candidates with understanding of economic principles and concepts for teaching them at elementary and secondary level public schools. Not open to economics majors.

ECON 323. Economic History of the US (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. Eco-*

nomics and business administration majors **MUST co-enroll in ECON 323D.**

ECON 323D. Economic History of the US – Add'l Depth (1). Additional depth of content for ECON 323. Students receive single grade for combined four units of ECON 323 and ECON 323D. [Prereq: ECON 210. Coreq: ECON 323.]

ECON 387 / ANTH 387 / GEOG 387 / HIST 387 / INTL 387 / PSCI 387. International Education Colloquium (1). Earn credit by attending International Education Week events the week before Thanksgiving and participating in an online discussion forum. Mandatory pre-event meeting in September. [CR/NC. Rep once.]

ECON 423. Environmental & Natural Resources Economics (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.*

ECON 423D. Environmental & Natural Resources Economics – Add'l Depth (1). Additional depth of content for ECON 423. Students receive single grade for combined four units of ECON 423 and ECON 423D. [Prereq: ECON 210. Coreq: ECON 423.]

ECON 435. Principles of Money & Banking (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. [Prereq: ECON 210.]

ECON 450. Energy Economics & Climate Policy (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. [Prereq: ECON 104 or ECON 210.]

ECON 470S / ECON 570S. Sustainable Rural Economic Development (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.

ECON 480. Special Topics in Economics (1-4). Topics of current issues. [Rep with different topics.]

ECON 490. Capstone Experience (2). Students produce a culminating project, normally in the form of a portfolio of the student's work, under the supervision of a faculty member in economics. [Rep.]

ECON 499. Directed Study (1-4). [For advanced students upon IA.]

GRADUATE

ECON 550. Economics of Energy & Climate Policy (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. [Prereq: MATH 113 or MATH 115 or equivalent (C), graduate standing.]

ECON 570S / ECON 470S. Sustainable Rural Economic Development (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.

ECON 580. Special Topics in Economics (1-4). Use established methods of economic inquiry. When possible, explore interdisciplinary elements. [Prereq: IA for credit. Rep.]

ECON 699. Directed Study (1-4). [Open to grad students with IA.]

Education

See also Educational Leadership, Elementary Education, Liberal Studies/Elementary Education, Secondary Education or Special Education.

LOWER DIVISION

EDUC 110. Introduction to Education (1). Contemporary issues and problems.

EDUC 285. Technology Skills for Educators (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. [CR/NC.]

UPPER DIVISION

EDUC 313 / CRGS 313. Community Activism (3). 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. [DCG-d.]

EDUC 318 / WS 318. Gay & Lesbian Issues in Schools (3). Explores the ways in which K-12 public education responds to the open inclusion of gay, lesbian, bisexual, and transgender students, teachers, and parents. Special focus on topics such as homophobia in girl's sports, gender non-conforming sports, and teachers' decisions to be closeted or openly gay. [DCG-d.]

EDUC 377 / SPED 777. Education of Exceptional Individuals (2). 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.

EDUC 380. Special Topics (.5-4). Topics of current interest. [Rep.]

EDUC 480. Special Topics (.5-4). Topics of current interest. [Rep.]

GRADUATE

EDUC 580. Special Topics (.5-4). Topics of current interest. [Rep.]

EDUC 583. Teaching in Higher Education (3). Guided experience in skills and knowledge relevant to teaching in higher education. Course and syllabus development, lecture/discussion organization, evaluation procedures, classroom management, and legal and ethical issues.

EDUC 610. Education in Society (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.

EDUC 620. Pedagogy: Practice & Research (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.

EDUC 626. Literacy Assessment & Evaluation (3). Definitions, concepts, and challenges of authentic literacy assessment. Focus: classroom-based assessment within broader framework of authentic assessment.

EDUC 630. Educational Psychology (2). Psychological and developmental theories used as lenses for assessing case studies (generated by students of their own pupils). Results in assessment, diagnosis, and prescription.

EDUC 640. Assessment (3). History and current practice of standardized testing (to clarify underlying values allowing student failure). Alternative methods of evaluating student outcomes. Relationship between effective teaching and learning.

EDUC 645. Academic Writing in Education (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. [Coreq: EDUC 655]

EDUC 655. Educational Research (3). Research design. Ethical and practical problems related to conducting research in educational settings.

EDUC 665. Qualitative Methods in Educational Research (3). Overview: modes of inquiry used in qualitative educational research.

EDUC 680. Special Topics (.5-4). Topics of current interest. [Rep.]

EDUC 682. Mixed Methods in Education Research (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. [Prereq: EDUC 655. Rep once.]

EDUC 690. Thesis (1-3). Restricted to students in education grad program. [CR/NC. Rep.]

EDUC 692. Master's Project (1-3).

EDUC 697. Research for Learning (3). Action research of teaching/learning; inherent interactive processes. Reflect on researcher's role.

EDUC 699. Independent Study (.5-3). Selected problems. [Prereq: grad standing and IA. Rep.]

Educational Leadership

CREDENTIAL/LICENSURE

EDL 642. Curriculum: Development & Governance (3). Structure and organization of curriculum. Historical, traditional, and contemporary influences. Problems related to governance, leadership, procedures, and implementation.

EDL 645. Personnel Administration & Supervision (3). Issues related to school personnel procedures, from employment to retirement. Supervision of instruction, employee evaluation, collective bargaining.

EDL 646. The Principal: Leader & Administrator (3). Role and responsibilities of principal. Leadership concepts, decision making techniques, school organization, community relations, school climate, curriculum administration, and categorically funded projects.

EDL 647. Practicum: Diversity Issues & School Administration (2). Class assessment of contemporary issues most important for future school administrators.

EDL 648. Legal & Fiscal Aspects of School Administration (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.

EDL 649. Ethics & School Administration (1). Review personal, institutional, and community values. Clarify their conflict and impact on school administration and leadership.

EDL 660. Technology & School Management (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.

EDL 661. Professional Development – Induction (2). Collaborating with school district mentor; candidate develops individual professional development plan. [Prereq: administrative services level I credential and employed as school administrator.]

EDL 662. Leadership, Management & Policy Development in a Multicultural Setting (2). Assist in developing skills necessary to meet social, educational, and cultural needs of a diverse student population. [Prereq: administrative services level I credential and employed as school administrator.]

EDL 663. Strategic Issues Management (2). Examines the issues of school reform and school improvement through a series of strategic planning processes. Differences between strategic and conventional planning will be studied and evaluated. [Prereq: administrative services level I credential and employed as school administrator.]

EDL 664. School & Community Relations (3). Administrative and communications strategies to effect positive working relationships with the community in an effort to improve student learning and build public support for schools. [Prereq: administrative services level I credential and employed as school administrator.]

EDL 665. Ethical & Reflective Leadership (3). Contemporary issues/problems and acceptable, ethical solutions. Emphases: identifying values that sustain a community organization; conflicts that arise daily in managing ethical choices. [Prereq: administrative services level I credential and employed as school administrator.]

EDL 666. Information Systems and Human & Fiscal Resources (2). Review and use contemporary information systems and technology to understand and address emerging issues and problems in human and fiscal resources administration. [Prereq: administrative services level I credential and employed as school administrator.]

EDL 667. Candidate Assessment & Evaluation (2). Final assessment and evaluation of each candidate's induction plan. Results provide basis for final recommendation for approval for level II professional administrative credential. [Prereq: administrative services level I credential and employed as school administrator.]

EDL 680. Special Topics (1-5). [Rep.]

EDL 694. Elementary School Administration Fieldwork (3). Supervised performance of administrative tasks in an elementary school to meet requirements for preliminary administrative service credential.

EDL 695. Secondary School Administration Fieldwork (3). Supervised performance of administrative tasks in a secondary school to meet requirements for preliminary administrative services credential.

EDL 696. Fieldwork & Final Evaluation Seminar (1). Procedures and expectations related to fieldwork experiences. Develop Individual Educational Plan (IEP) for fieldwork experience.

Elementary Education

LOWER DIVISION

EED 210. Direct Experience with Children (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. [CR/NC. Coreq: EED 310.]

UPPER DIVISION

EED 310. Exploring Teaching as a Career (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.

CREDENTIAL/LICENSURE

Unit values for preliminary credential courses may vary between fall and spring semesters. The EED fieldwork coordinator provides guidance at the time of registration.

EED 701. Selected Topics (.5-3). Topic relevant to teaching in today's world. [Rep.]

EED 720 / EED 720B. The School & the Student (.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.

EED 721 / EED 721B. Multicultural Foundations (.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 crosscultural interactions. [Prereq: admitted to EED program.]

EED 722 / EED 722B. English Language Skills & Reading (.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. [Prereq: admitted to EED program or IA.]

EED 723 / EED 723B. Integrating Math/Science in Elementary School (.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. [Prereq: admitted to EED program.]

EED 724 / EED 724B. Fine Arts in the Integrated Elementary Curriculum (.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. [Prereq: admitted to EED.]

EED 726 / EED 726B. Professional Development Seminar (.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. [Prereq: admitted to EED program. CR/NC.]

EED 728. History/Social Science in the Integrated Elementary Curriculum (.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. [Prereq: admitted to EED.]

EED 733 / EED 733B. Teaching English Learners (1) F/S. Development of basic knowledge, skills, and strategies for teaching English learners. [Prereq for EED 733 and EED 733B: must be in EED Credential Program. Prereq for EED 733B: EED 733.]

EED 740 / EED 740B. Special Populations in General Education (1) F/S. Development of basic

knowledge, skills, and strategies for teaching students with special needs in the general education classroom. [Prereq for EED 740 and EED 740B: must be in EED Credential Program. Prereq for 740B: EED 740.]

EED 741. Health & PE Curriculum in Elementary School (1) F. Provides prospective teachers with the knowledge and skills to plan, teach, and evaluate health and physical education programs for K-8 classrooms. [Rep.]

EED 751. Fieldwork in Elementary School (2). Orientation to the elementary school and classroom. Analyze school/classroom organization and teaching styles. Observation and limited participation teaching individuals/small groups. [Prereq: admitted to EED. Minimum 14 hrs per week in assigned school during weeks 2-8 of fall semester. CR/NC.]

EED 752. Student Teaching in Elementary School (6). Practice teaching individuals, small groups, and large groups with close guidance from teacher. Attend to cultural and socioeconomic backgrounds of children. [Prereq: admitted to EED. Full-time fieldwork in assigned classrooms during the first week and last 7 weeks of fall semester. CR/NC.]

EED 753. Fieldwork in Elementary School (3). Orientation to the elementary school and classroom. Analyze school/classroom organization and teaching styles. Observation and limited participation teaching individuals/small groups. [Prereq: admitted to EED program. Minimum 14 hrs per week in assigned school during first 8 weeks of spring semester. CR/NC.]

EED 754. Student Teaching in Elementary School (6). Practice teaching individuals, small groups, and large groups, with close guidance from teacher. Attend to children's cultural and socioeconomic backgrounds. Full-time fieldwork in assigned classroom for minimum of eight weeks. [Prereq: admitted to EED program. CR/NC.]

EED 755. Student Teaching in Elementary School (2). Practice teaching individuals, small groups, and large groups, including team teaching with mentor teacher; participation in professional development. Full-time fieldwork in assigned/approved classroom to end of K-8 school year in June. [Prereq: admitted to EED. CR/NC.]

EED 756. Extended Student Teaching in Elementary Schools (1-8). Practicum allowing additional fieldwork in elementary classrooms under guidance of practicing teachers. [Prereq: admitted to EED program. 45 hours fieldwork per credit unit. CR/NC.]

English

LOWER DIVISION

ENGL 101. Critical Writing (3). Critical reading of texts. Strategies for writing the reasoned argument. Rhetorical stance, voice, and purpose. Logic of persuasion. [Prereq: ENGL 100 or ENGL 100A. GE.]

ENGL 102. Composition and Rhetoric A (3). Analytical academic reading and writing for a variety of rhetorical situations. Introduction to information literacy. Small-group workshop and lecture. Preparation for ENGL 103. Final assessment based on culminating semester project. [CR/NC. GE.]

ENGL 103. Composition and Rhetoric B (3). Further development of academic writing and reading skills acquired in ENGL 102. Emphasis on research strategies, synthesis, critical reading, rhetorical distinctions. Workshop and lecture. Final assessment based on writing portfolio. [Prereq: ENGL 102. GE.]

ENGL 104. Accelerated Composition and Rhetoric (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. [GE.]

ENGL 104S. Accelerated Composition and Rhetoric (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. [GE.]

ENGL 105. Introduction to Literature (3). Assigned readings in representative literary works. Lectures, discussions, assigned compositions. [GE.]

ENGL 111. Book of the Year (1). Small book group discussion of the common reading of the year for HSU and College of the Redwoods. Book title varies each year. [CR/NC. Rep.]

ENGL 120. Introduction to the English Major (4). Aims and methods of literary scholarship and criticism, to prepare for upper division work. Recommended first course in the major. One of four units is individualized instruction on assigned topics. [Prereq: ENGL 103 or ENGL 104 or ENGL 100 or ENGL 100A (C).]

ENGL 180. Special Topics in English (1-4). Topics in literature, culture, and language not covered in regularly scheduled classes.

ENGL 200. Academic Writing & Revision Workshop (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. [Prereq: grade of RP in ENGL 103, ENGL 104, ENGL 100, ENGL 100R, ENGL 100A, ENGL 100i, or equivalent.]

ENGL 205. Beginning Creative Writing (4). Write, analyze, and critique student poetry and fiction. For beginning students. Quality student writing considered for publication in *Toyon*, HSU's literary magazine. [Weekly: two 2-hr periods plus conferences. Rep.]

ENGL 215. Information Literacy and Writers Seminar (2). Directed and collaborative seminar to enhance mastery of writing, critical reading, and research and information literacy. [Rep once.]

ENGL 220. Literature, Identity and Representation (4). How social identities are created through language and texts; how categories of identity (gender, sexuality, race, nation, class, ethnicity, etc.) are central to the study of literature. [Prereq: ENGL 103 or ENGL 104 or ENGL 100 or ENGL 100A.]

ENGL 225. Introduction to Language Analysis (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. [Prereq: ENGL 103 or ENGL 104 or ENGL 100 or ENGL 100A.]

ENGL 230 - ENGL 231. Survey of British Literature (4 - 4). Within chronological periods designated below, courses organized around major figures, topics, or genres to reveal lines of influence and development. One of four units is individualized instruction on assigned topics. [Rep.]

ENGL 232. Survey of American Literature (4). Selected readings from diverse American writers, emphasizing 19th/20th century texts. One of four units is individual and group projects on approaches to presenting American literature.

ENGL 240. World Literature (4). Read and discuss significant works of literature in translation. Topics vary: themes, genres, historical periods, major figures. One of four units is individualized instruction on assigned topics. [Rep.]

ENGL 280. Special Topics (1-4). Topics not covered in regularly scheduled courses. [Rep; multiple enrollments in term.]

UPPER DIVISION

ENGL 305. Postcolonial Perspectives: Literature of the Developing World (3). Read/discuss modern writing from Latin America, Asia, Africa, Central Europe, Middle East. Fiction, drama, poetry, essays (historical, political, anthropological), documentary films, videotapes. [DCG-n. GE.]

ENGL 306. Contemporary Texts (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. [GE.]

ENGL 308B-C / WS 308B-C. Women in Literature (3). Works by women and men. How literature in various historical periods reflects cultural conditions and attitudes about women. How feminist movement relates to these issues. [GE. DCG. ENGL 308B (domestic); ENGL 308C (non-domestic).]

ENGL 311. Environmental Writing (4). Advanced composition. Expository writing about the natural environment. Readings from 19th and 20th century nature writers. [Prereq: ENGL 103 or ENGL 104 or ENGL 100.]

ENGL 314. Creative Writing: Nonfiction (4). Write, analyze, and critique student nonfiction. For upper-division students. Quality writing considered for publication in *Toyon*, HSU's literary magazine. [Prereq: ENGL 205 or IA. CR/NC.]

ENGL 315. Creative Writing: Fiction (4). Write, analyze, and critique student fiction. For upper-division students. Quality writing considered for

publication in *Toyon*, HSU's literary magazine. [Prereq: ENGL 205 or IA. CR/NC.]

ENGL 316. Creative Writing: Poetry (4). Write, analyze, and critique student poetry. For upper-division students. Quality writing considered for publication in *Toyon*, HSU's literary magazine. [Prereq: ENGL 205 or IA. CR/NC.]

ENGL 320. Practical Criticism (4). Write critical essays about literature based on close readings of poetry, short stories, drama. Normally requires in-class writing, discussion of texts and student papers, and one highly polished essay per week. [Prereq: ENGL 120 or ENGL 220.]

ENGL 323. Children's Literature (3). Close study and evaluation of literature for children. For teachers, prospective teachers, parents. [Prereq: ENGL 103 or ENGL 104 or ENGL 100.]

ENGL 325. History of the English Language (4). Indo-European origins to the present. Social, cultural, and historic events affecting it. One of four units is individualized instruction on assigned topics. [Prereq: ENGL 103 or ENGL 104 or ENGL 100.]

ENGL 326. Language Study for Teachers (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. [Prereq: ENGL 103 or ENGL 104 or ENGL 100.]

ENGL 328. Structure of American English (4). Analyze syntax, with special reference to teaching grammar: English phonetics; text grammar. One of four units is individualized instruction on assigned topics. [Prereq: ENGL 225.]

ENGL 330. American Literature (4). Major figures, themes, genres, or historical periods. Topic varies. One of four units is individualized instruction on assigned topics. [Prereq: ENGL 320. Rep.]

ENGL 336 / ES 336. American Ethnic Literature (4). Read/discuss literature written by ethnic minorities in the US, including works by authors of African, Asian, Native American, Latin, Eastern European, and Middle Eastern descent. Focus varies. One of four units is individualized instruction on assigned topics. [Rep. DCG-d.]

ENGL 342. Special Topics in Shakespeare (4). Instructor selects Shakespeare plays related by genre, chronology, or theme. One of four units is individualized instruction on assigned topics. [Prereq: ENGL 320. Rep.]

ENGL 344. Young Adult Literature (3). Study and respond to selected works appealing to young people. For teachers or prospective teachers of literature in secondary school. [Prereq: ENGL 103 or ENGL 104 or ENGL 100.]

ENGL 350. British Literature (4). Major figures, themes, genres, or historical periods. Topic varies. One of four units is individualized instruction on assigned topics. [Prereq: ENGL 320. Rep.]

ENGL 360. Special Topics in Literature (4). Themes, genres, major figures, or movements. Not limited to British or American literature. Top-

ics vary. One of four units is individualized instruction on assigned topics. [Rep.]

ENGL 370 / ENGL 570. Literary Field Studies (4). Study regional writers and their social and environmental influences and effects. One of four units consists of field trips to sites corresponding with course texts. [Prereq: ENGL 103 or ENGL 104 or ENGL 100 or equivalent. Rep once.]

ENGL 406. Contemporary Composition: Traditional Studies & Digital Practice (4). Current theories/methods of teaching writing, and current technology for studying and teaching in the English discipline. [Prereq: ENGL 103 or ENGL 104 or ENGL 100.]

ENGL 417. Second Language Acquisition (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. [Prereq: ENGL 326 or ENGL 328 or equivalent (C).]

ENGL 420. Advanced Topics in Critical Theory (4). Intensive study of specialized issues in literary and cultural theory. Ex: Black Feminist Thought, Postcolonialism and After, "Queering" Race and Gender, Politics and Poststructuralism, The Problem of Aesthetics. [Prereq: ENGL 320. Rep once.]

ENGL 422. Advanced Research Writing (4). Write, analyze, and critique a variety of genres. Learn strategies for advanced research and writing in a range of disciplines, including business, science, social science, art, and the humanities. [Prereq: ENGL 103 or ENGL 104 or ENGL 100 or equivalent.]

ENGL 424. Communication in Writing I (3). Critical reading and writing of various modes of prose. Writing process of children and how writing tasks can be accessible to developing minds. [Prereq: ENGL 103 or ENGL 104 or ENGL 100.]

ENGL 426. Communication in Writing II (3). Practice various modes of writing. Train in critical response to, and evaluation of, student writing. [Prereq: ENGL 103 or ENGL 104 or ENGL 100.]

ENGL 435. Introduction to English as a Second/Foreign Language (4). Types of ESL/EFL learners and approaches in teaching them. One of four units is for special projects involving English learners.

ENGL 436. Integrating Language & Content in English Instruction (3). Specially designed academic instruction in English (SDAIE), content-based ESL/EFL instruction, and other approaches. [Prereq: ENGL 435.]

ENGL 450. Tutoring Developing Writers (2). Needs of culturally and ethnically diverse students and learning disabled. Intensive practical experience responding to writing with a variety of approaches. [CR/NC. Rep.]

ENGL 460. Toyon Literary Magazine (2). Manuscript selection and all other activities related to production, publication, and distribution of *Toyon*, HSU's literary magazine. [CR/NC. Rep. Not repeatable for major credit.]

ENGL 465B - ENGL 465C / ES 465B - ES 465C / WS 465B - WS 465C. Multicultural Issues in Literature/Languages (4). Themes, genres, figures, theories, or movements in literary or linguistics study in relation to issues of ethnicity and/or gender. [Prereq: ENGL 320. Rep. DCG. ENGL 465B (domestic); ENGL 465C (non-domestic).]

ENGL 480. Special Topics (1-4). Topics not covered in regularly scheduled courses. [Rep.]

ENGL 482. Internship in Teaching Writing, Literature, or Linguistics (2). Supervised practice teaching in a college setting. [Prereq: senior standing and IA. Rep once.]

ENGL 485. English Colloquium (1). Intensively examine a select topic. May feature guest lecturers. Complete two units to fulfill colloquium requirement. [Prereq: ENGL 320. CR/NC. Rep.]

ENGL 490. Senior Project Seminar (2). Culmination of the major. [Prereq: senior standing. CR/NC.]

ENGL 499. Directed Study (1-4). For advanced students with IA. [Rep.]

GRADUATE

ENGL 536. Problems in Form, Genre, Media (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. [Rep.]

ENGL 546. Reading Historically (4). Intensive study of topics in historicist reading, including Black Britain, economic theories and the novel, Virginia Woolf and history, etc. [Prereq: accepted to English MA program or IA. Rep.]

ENGL 560. Special Topics in Literature (4). Topics vary: themes, genres, major figures, or movements. Not limited to British or American literature. [Prereq: accepted to English MA program or IA. Rep.]

ENGL 570 / ENGL 370. Literary Field Studies (4). Study regional writers and their social and environmental influences and effects. One of four units consists of field trips to sites corresponding with course texts. [Prereq: ENGL 103 or ENGL 104 or ENGL 100 (or equivalent) and accepted to English MA program or IA. Rep once.]

ENGL 580. Special Topics Seminar (1-3). Study of literature or study and practice of various kinds of writing. When offered as workshop, units do not fulfill degree requirements. [Prereq: accepted to English MA program or IA. Rep.]

ENGL 600. Graduate Studies Introduction (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. [Prereq: accepted to English MA program or IA.]

ENGL 605. Cultural Studies Introduction (4). Cultural studies as academic practice. History of the field; affiliations with other interdisciplinary areas; practical applications; relationship between

aesthetics and politics. [Prereq: accepted to English MA program or IA.]

ENGL 611. Reading and Writing Pedagogy I (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. [Prereq: accepted to English MA program or IA.]

ENGL 612. Reading and Writing Pedagogy II (4). Tools for designing and implementing developmental and college-level composition courses. Design of syllabus, class units, and lesson plans; conducting student conferences; facilitating response groups; assessment; technology and new media. [Prereq: accepted to English MA program or IA.]

ENGL 614. Teaching ESL Writing (4). Theoretical and practical perspectives. [Prereq: accepted to English MA program or IA.]

ENGL 615. Writing for Change Workshop (4). Intensive practical experience in persuasive writing in a variety of genres, including advocacy and activist writing, grant and proposal writing, and literary journalism, with publication strategies. Peer writing workshops. [Prereq: accepted to English MA program or IA.]

ENGL 618. Linguistic & Rhetorical Approaches to Writing (4). Advanced study of rhetorical theory and linguistic methodologies. Emphasizes application of theory to writing and the teaching of writing. [Prereq: ENGL 328 (or equivalent) and accepted to English MA program or IA.]

ENGL 620. Seminar in Critical Theory (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. [Prereq: accepted to English MA program or IA.]

ENGL 635. Introduction to English as a Second/Foreign Language (4). Types of ESL/EFL learners and approaches in instructing them. Relate ESL/EFL to bilingual education. [Prereq: accepted to English MA program or IA.]

ENGL 681. Internship in Teaching Literature (2). Supervised practice in college, high school, elementary school, or community setting. Does not satisfy internship requirement for prospective ENGL 100 instructors. [Prereq: ENGL 600, a grad literature seminar, IA, DA, accepted to English MA program or IA. Rep once.]

ENGL 682. Internship in the Teaching of Writing (2). Supervised practice in college, community college, high school, elementary school, or community setting. [Prereq: accepted to English MA program or IA, see department. Rep.]

ENGL 684. Internship in Teaching ESL (2). Supervised practice with English as a second language learners in college, language institute, community college, high school, or community setting. [Prereq: ENGL 417, ENGL 635, and accepted to English MA program or IA. Rep.]

ENGL 690. Master's Project (1-4). Culmination of MA degree: project demonstrating advanced achievement in language, literature, literary criticism, creative writing, or teaching of writing. [Prereq: accepted to English MA program or IA. Rep.]

ENGL 694. Field Experience: Observe and Reflect (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. [Prereq: accepted to English MA program or IA.]

ENGL 695. Critical Analysis of Field Experience (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. [Prereq: accepted to English MA program or IA.]

ENGL 699. Independent Study (1-4). Open to students accepted to English MA program with IA. [Rep.]

Environment & Community

GRADUATE

EC 610. Environment & Community Research (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.

EC 615. Graduate Colloquium (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.

EC 620. Economic-Political Dimensions (3). Provides analytical frameworks for understanding the role of political and economic institutions, discourses, organizations, and movements. Variable topics. Repeatable with different content. [Rep 6 times.]

EC 630. Socio-Cultural Dimensions (3). Provides understanding of race/ethnicity, class, gender place, and culture, including their social construction and varied intersections. Variable topics. Repeatable with different content. [Rep 5 times.]

EC 640. Ecological Dimensions (3). Provides a basic understanding of at least one ecological process or cycle within the context of human-environment relationships. Variable topics. Repeatable with different content. [Rep 3 times.]

EC 690. Master's Thesis or Project (1-6). Individual work on thesis or project required for M.A. in Social Science degree. [Rep twice for a maximum of 18 units.]

EC 695. Field Research (1-3). Field investigation of issues and/or phenomena related to a student's culminating experience. [Rep 5 times for a maximum of 9 units.]

Environmental Management & Protection

LOWER DIVISION

EMP 105. Natural Resource Conservation (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. [GE.]

EMP 210. Public Land Use Policies & Management (3). Overview of public lands: Historical view of major statutes, agency evolution, and resource management policies. [Rec: EMP 105.]

EMP 215. Natural Resources & Recreation (3). Three primary components: resources, visitors, and management. Motivations and benefits, overview of providers, and fundamental recreation concepts.

EMP 253. Interpretive Computer Graphics (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. [Weekly: two 3-hr labs.]

UPPER DIVISION

EMP 305 / ENVS 305. Environmental Conflict Resolution (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. [Prereq: sophomore standing or greater. GE. Weekly: 2 hrs lect, 2 hrs activ.]

EMP 309B. Environmental Communication (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. [Prereq: sophomore standing or greater. GE. CWT.]

EMP 325. Environmental Law & Regulation (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. [Prereq: EMP 210 (C). Weekly: 3 hrs lect.]

EMP 350. Fundamentals of Environmental Education & Interpretation (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. [Coreq: EMP 351. Weekly: 2 hrs lect, 3 hrs lab.]

EMP 351. Environmental Interpretation Field Trip (1). Visit sites illustrating issues and techniques of natural resources interpretation. [CR/NC. Coreq: EMP 350. Three-day field trip.]

EMP 353. Environmental Education & Interpretation Graphics (3). Theory and skills of written and graphic interpretation techniques. Application to signs, brochures, self-guided trails, exhibits. [Prereq: EMP 253 and EMP 350. Weekly: 2 hrs lect, 3 hrs lab.]

EMP 360. Introduction to Natural Resource Planning Methods (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, landscape, and regional scales. [Must have sophomore standing or greater. Rec: EMP 105 and EMP 210. Weekly: 2 hrs lect, 3 hrs lab.]

EMP 365. Local Government Planning (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. [Prereq: EMP 360. Weekly: 3 hrs lect.]

EMP 400 / ENV 400. Inscape & Landscape (3). An evaluation of individual perception (inscape) of nature (landscape) relative to our unique individual histories. An overview of human population growth, resource consumption, and resource availability will lead to a personal evaluation of the relationship of inscape to landscape. [GE. Weekly: 2 hrs lect, 2 hrs activ.]

EMP 415. Recreation & Park Planning (3). The planning process as applied to natural resource recreation areas; master planning for parks and other wildland recreation areas; NEPA; public involvement; planning facilities such as trails and campgrounds. [Prereq: EMP 215. Weekly: 2 hrs lect, one 3-hr lab.]

EMP 420. Ecosystem Analysis (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. [Prereq: SOIL 260, BIOL 330 or WLDF 301, FOR 130 or BOT 350; or IA. Weekly: 2 hrs lect, 3 hrs lab.]

EMP 425. Environmental Impact Assessment (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. [Rec: EMP 325. Weekly: 2 hrs lect, one 3-hr lab.]

EMP 430. Natural Resource Management in Protected Areas (3). Principles/practices managing natural resources in wildland recreation areas. Fire, air, water quality, erosion, endangered species; exotic species control; hazardous features. Case studies. [Prereq: STAT 108 or STAT 109, and an ecology course or IA. Must have upper division standing. Weekly: 2 hrs lect, 3 hrs lab.]

EMP 435. Grant Proposal Writing (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. [Weekly: 2 one-hr lect.]

EMP 440. Managing Recreation Visitors (2). Theoretical foundations and practical applications of managing recreation settings and people who visit them. [Prereq: EMP 215.]

EMP 440L. Managing Recreation Visitors Field Trip (1). Field trips to state and national parks and forests. [Prereq: EMP 215. CR/NC.]

EMP 450. Applied Environmental Education & Interpretation (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. [Prereq: EMP 350 or IA. Weekly: 2 hrs lect, 3 hrs lab.]

EMP 453. Environmental Education & Interpretation Practicum (4). Capstone course for interpretation majors with a focus on graphic skills in interpretive programming and design. Projects include exhibits, brochures, and overall interpretive programming. [Prereq: EMP 350, EMP 353, EMP 450; or their equivalents.]

EMP 460. Environmental Planning for Public Lands (3). Environmental planning processes applied by state and federal agencies to manage for desired ecological, economic, and social outcomes on public lands. Key themes: collaborative processes, community involvement, stewardship. [Prereq: EMP 360 and EMP 425 (C), or IA. Weekly: 2 hrs lect, 3 hrs lab; 3-day field trip required. Service fee.]

EMP 462. Coastal & Marine Planning (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. [Prereq: EMP 360.]

EMP 471. Spatial Analysis Lab Projects (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. [Prereq: GSP 216 or GSP 270 or GSP 326 or GSP 330 or GSP 370 or GSP 436 or GSP 470 or GSP 570. AU. Rep 3 times.]

EMP 475. Senior Planning Practicum (4). Capstone course: a planning project in a group format. [Prereq: EMP 460 (C) or EMP 462 (C), and graduating senior standing. Weekly: 2 hrs lect, 6 hrs lab.]

EMP 480. Selected Topics (.5-3). Planning, ecology, administration, law, ethics, or other topics of current interest. [Rep with different topics. Prereq: IA. Variable format.]

EMP 480L. Selected Topics/Lab (.5-3). Planning, ecology, administration, law, ethics, or other topics of current interest. Lab/field format. Service Fee. [Rep with different topics. May require prereqs.]

EMP 482. Internship (2-3). Students implement the theory and practice of their major by working for a public agency or private firm/organization. Advanced standing and instructor consent. [CR/NC.]

EMP 499. Directed Study (1-3). Individualized research/study project. [Prereq: junior/senior standing. Rep.]

GRADUATE

EMP 510. Human Dimensions of Natural Resources (3). Overview of the role of social issues in natural resource management. Theory and methods related to human dimensions research. Applications of sociocultural research to management. Practice implementing methods. [Prereq: EMP 305 or EMP 309B or EMP 400 or IA.]

EMP 580. Selected Topics (1-3). Interpretation, planning, ecology, administration, law, ethics, other topics of interest. [Rep with different topics.]

EMP 597. Mentoring & Teaching-Associate Training (1-4). Train in course preparation and delivery. Advance majors and grad students take this prior to or concurrent with teaching-assistant or teaching-associate assignments. No credit toward graduate degree.

EMP 620. Ecosystems & Society (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. [Prereq: must have graduate standing.]

EMP 685. Graduate Seminar (1-3). Topics of current interest. [Rep.]

EMP 690. Thesis (1-4). [Rep. CR/NC.]

EMP 695. Field Research (1-4). [Rep. CR/NC.]

EMP 699. Directed Study (1-4). [Rep.]

Environmental Resources Engineering

LOWER DIVISION

ENGR 114. Whole Earth Engineering (2). Apply engineering and science concepts and methods to self-sufficient habitat systems: housing, energy, water and food supply. [CR/NC. Not allowed for credit toward major in engineering.]

ENGR 115. Introduction to Environmental Resources Engineering (3). Case studies in water quality, water resources, energy resources, and geotechnical resources. [Prereq: MATH 115 or equivalent (C). Weekly: 2 hrs lect, 3 hrs lab.]

ENGR 210. Solid Mechanics: Statics (3). Particle and rigid body equilibrium; vector concepts; equivalent systems of forces; centroids; moments of inertia; friction. [Prereq: MATH 109 or completed Calculus I. Weekly: 2 hrs lect, 3 hrs lab.]

ENGR 211. Solid Mechanics: Dynamics (3). Kinetics and kinematics of particles; work and energy; impulse and momentum; kinematics and plane motion of rigid bodies. Engineering design ap-

plications. [Prereq: MATH 110, ENGR 210, ENGR 215. For engineering majors, this is prerequisite to PHYX 110. Weekly: 2 hrs lect, 3 hrs lab.]

ENGR 215. Introduction to Design (3). Engineering design process, including critical analysis of problems, teamwork, Internet, word processing, spreadsheets, computer-aided drawing. Engineering design applications. [Prereq: ENGR 115, and MATH 109 or completed Calculus I (C). Weekly: 2 hrs lect, 3 hrs lab.]

ENGR 225. Computational Methods for Environmental Engineering I (3). Introduction to computer computational methods for environmental engineering analysis and design using MATLAB and the Fortran 95 programming language. [Prereq: ENGR 115, and MATH 109 or completed Calculus I. Recommended prereq: ENGR 210. Weekly: 2 hrs lect, 3 hrs lab.]

ENGR 280. Selected Topics in Engineering (1-3). Selected topics offered at the lower division level as demand warrants. Lect/lab as appropriate. [Prereq: vary with topics. Rep with different topics.]

ENGR 299. Directed Study (1-3). Directed (independent) undergraduate study or research at the lower division level. [Rep; multiple enrollments in term.]

UPPER DIVISION

ENGR 305. Appropriate Technology (3). Engineering technology principles. Energy, waste disposal, food production technologies. Lab exercises involve working systems at Campus Center for Appropriate Technology. [Prereq: lower division science GE, and ENGR 114 or PHYX 106 or PHYX 109. Not allowed for credit toward engineering major. Weekly: 2 hrs lect, 3 hrs lab. GE.]

ENGR 308. Technology & the Environment (3). Environmental and resource-related case studies applying technology to supply society's needs and demands. [Prereq: completed lower division science GE. Weekly: 2 hrs lect, 2 hrs activity. GE.]

ENGR 313. Systems Analysis (3). Microeconomics, systems analysis, and math modeling in environmental resources, allocation, linear and nonlinear optimization. Case studies in resource management. Engineering design applications. [Prereq: MATH 210, ENGR 115, ENGR 225. Weekly: 2 hrs lect, 3 hrs lab.]

ENGR 322. Environmental Data Modeling & Analysis (4). Introduction to probability theory, probabilistic models, and stochastic processes. Parameter estimation and model evaluation for environmental systems models with applications in environmental engineering. [Prereq: MATH 210 and ENGR 325 (C).] Weekly: 3 hrs lect, 3 hrs lab.]

ENGR 325. Computational Methods for Environmental Engineering II (3). Introduction to numerical methods for environmental engineering analysis, design and resource management using the Fortran 95 programming language. [Prereq: ENGR 225 and MATH 110. Weekly: 2 hrs lect, 3 hrs lab.]

ENGR 326. Computational Methods for Environmental Engineering III (3). Numerical methods for linear and differential equations used in environmental engineering analysis, design and resource management problems. [Prereq: ENGR 325, and ENGR 331 or ENGR 333. Weekly: 2 hrs lect, 3 hrs lab.]

ENGR 330. Mechanics & Science of Materials (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. [Prereq: MATH 210, CHEM 109, ENGR 210. Weekly: 2 hrs lect, 3 hrs lab.]

ENGR 331. Thermodynamics & Energy Systems I (3). Thermodynamics' 1st and 2nd laws; thermodynamic properties of materials; thermodynamic processes; system and control volume analysis; application to energy systems. [Prereq: CHEM 109, MATH 210, ENGR 211. Weekly: 2 hrs lect, 3 hrs lab.]

ENGR 333. Fluid Mechanics (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. [Prereq: ENGR 211, ENGR 325, MATH 210. Weekly: 3 hrs lect, 3 hrs lab.]

ENGR 351. Water Quality & Environmental Health (4). Water quality analysis. Physical, chemical, and biological factors of water quality. Introduction to drinking water and wastewater treatment processes. Engineering aspects of communicable disease control and exposure to toxic materials. [Prereq: ENGR 115, CHEM 110, BIOL 105. Weekly: 3 hrs lect, 3 hrs lab.]

ENGR 371. Energy Systems & Technology (3). Intro to key topics and technologies associated with modern energy systems. Covers principles of thermodynamics and electricity and their application to energy systems. [Prereq: MATH 105, CHEM 107 or CHEM 109, PHYX 107 or PHYX 110.]

ENGR 399. Supplemental Work in Engineering (1-3). Directed study for transfer student whose prior coursework isn't equivalent to corresponding courses at HSU. [Prereq: DA. Rep; multiple enrollments in term.]

ENGR 410. Environmental Impact Assessment (3). Enabling legislation that established environmental impact statements; EIS preparation; risk analysis; collecting data and evaluating its adequacy and accuracy; interpreting data; predicting impacts associated with proposed activities. Design applications. [Prereqs: ENGR 313, ENGR 351 or ENGR 350, ENGR 440 (C).]

ENGR 416. Transport Phenomena (3). Heat and mass transfer. Pollutant transport and assimilation in the environment. Engineering design applications. [Prereq: ENGR 322 or ENGR 324, ENGR 326, ENGR 331, ENGR 333, ENGR 351 or ENGR 350. Weekly: 2 hrs lect, 3 hrs lab.]

ENGR 418. Applied Hydraulics (3). Pipe networks; transient pipe flow; open channel flow; irrigation, drainage, and flood control; numerical methods for hydraulic analysis. Engineering design applications. [Prereq: ENGR 326 and ENGR 333. Weekly: 2 hrs lect, 3 hrs lab.]

ENGR 421. Advanced Numerical Methods for Engineers I (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. [Prereq: ENGR 313 and ENGR 326. Weekly: 2 hrs lect, 3 hrs lab.]

ENGR 434. Air Quality Management (3). 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. [Prereq: CHEM 110, ENGR 416. Weekly: 2 hrs lect, 3 hrs lab.]

ENGR 435. Solid Waste Management (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. [Prereq: CHEM 110, ENGR 313 (C), ENGR 330, ENGR 333. Weekly: 2 hrs lect, 3 hrs lab.]

ENGR 440. Hydrology I (3). Hydrologic cycle; math models of rainfall runoff; surface and ground water hydrology; probabilistic design concepts. [Prereqs: ENGR 313, ENGR 322 or ENGR 324, ENGR 326, ENGR 333. Weekly: 2 hrs lect, 3 hrs lab.]

ENGR 441. Hydrology II (3). Rainfall runoff processes; infiltration and groundwater vadose zone; water quality models and operational (stochastic) hydrology; groundwater quality. Engineering design applications. [Prereq: ENGR 440. Weekly: 2 hrs lect, 3 hrs lab.]

ENGR 443. Groundwater Hydrology (3). Groundwater and vadose zone hydrology; well hydraulics; introduction to groundwater planning, management, and remediation; large-scale flow and mass transport simulation models. [Prereq: ENGR 313 and ENGR 325. Weekly: 2 hrs lect, 3 hrs lab.]

ENGR 445. Water Resources Planning & Management (3). Engineering applications of economics, risk analysis, and mathematical simulation and optimization models to water resource planning; multiobjective and sequential decision problems in reservoir operation and water quality management. Engineering design applications. [Prereq: ENGR 440. Weekly: 2 hrs lect, 3 hrs lab.]

ENGR 448. River Hydraulics (3). River morphology; water and sediment transport; channel formation; river restoration. Design applications. [Prereq: ENGR 351 or ENGR 350, ENGR 440. Weekly: 2 hrs lect, 3 hrs lab.]

ENGR 451. Water & Wastewater Treatment Engineering (4). Water and wastewater treatment systems; bench-scale treatment operations.

Engineering design applications. [Prereq: ENGR 351 or ENGR 350, and ENGR 416 (C). Weekly: 3 hrs lect, 3 hrs lab.]

ENGR 455. Engineered Natural Treatment Systems (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. [Prereq: BIOL 105, ENGR 115, ENGR 451; or IA.]

ENGR 471. Thermodynamics & Energy Systems II (3). Continues ENGR 331. Applications of 2nd law of thermodynamics. Irreversibility, availability, power and refrigeration cycles, combustion, and phase equilibria. Engineering design applications. [Prereq: CHEM 110, PHYX 110, ENGR 322 or ENGR 324, ENGR 331, ENGR 333. Weekly: 2 hrs lect, 3 hrs lab.]

ENGR 473. Building Energy Analysis (3). Thermodynamics applied to energy analysis of buildings. Heating and ventilating systems; lighting; building envelopes; process loads. Analyze campus buildings. Engineering design applications. [Prereq: ENGR 326, ENGR 331, ENGR 333, PHYX 110. Weekly: 2 hrs lect, 3 hrs lab.]

ENGR 475. Renewable Energy Power Systems (3). Principles of hydro, wind, and photovoltaic power production and systems. Engineering design applications. [Prereqs: ENGR 322 or ENGR 324, ENGR 331, ENGR 333, PHYX 315. Weekly: 2 hrs lect, 3 hrs lab.]

ENGR 477. Solar Thermal Engineering (3). Analyze and design solar thermal systems. Availability of solar radiation; collector operation; system performance; simulation models. Engineering design applications. [Prereq: PHYX 110, ENGR 322 or ENGR 324, ENGR 331, ENGR 333. Weekly: 2 hrs lect, 3 hrs lab.]

ENGR 480. Selected Topics in Engineering (1-3). Offered as demand warrants. Lect/lab as appropriate. [Prereq: vary with topic. Rep with different topics.]

ENGR 481. Selected Topics with Engineering Design (3). Selected topics as demand warrants. [Prereq: ENGR 322 or ENGR 323. Weekly: 2 hrs lect, 3 hrs lab.]

ENGR 492. Capstone Design Project (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). Open to Senior and Grad level ERE students only. Prereq: ENGR 313, ENGR 322, ENGR 326, ENGR 330, ENGR 331, ENGR 333, ENGR 351.]

ENGR 496. FE (EIT) Review (1). Review topics for National Fundamentals of Engineering (FE or EIT) Exam. [Mandatory CR/NC. Not allowed for credit toward major in engineering. Prereq: PHYX 315 (C), ENGR 330, ENGR 333.]

ENGR 498. Directed Design Project (1-3). Directed (independent) application of engineering

design process to develop a system, process or management plan. *May be taken only once for credit.* [Prereq: IA.]

ENGR 499. Directed Study (1-3). Directed (independent) undergraduate study or research. [Prereq: IA.]

GRADUATE

ENGR 518. Applied Hydraulics (3). Pipe networks; transient pipe flow; open flow; irrigation, drainage, and flood control; numerical methods for hydraulic analysis. Engineering design applications. [Prereq: ENGR 326 and ENGR 333. Weekly: 2 hrs lect, 3 hrs lab.]

ENGR 521. Advanced Numerical Methods for Engineers I (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. [Prereq: ENGR 313 and ENGR 326. Weekly: 2 hrs lect, 3 hrs lab.]

ENGR 532. Energy, Environment & Society (4). This interdisciplinary graduate level course emphasizes technical, environmental, and socio-economic dimensions of energy utilization in contemporary society. Covers technology and policy issues related to conventional and alternative energy resources. [Prereq: graduate standing; working knowledge of introductory physics, chemistry, and statistics; or IA.]

ENGR 533. Energy & Climate Change (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. [Prereq: graduate standing and ENGR 532, or IA.]

ENGR 534. Air Quality Management (3). 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. [Prereq: CHEM 110 and ENGR 416. Weekly: 2 hrs lect, 3 hrs lab.]

ENGR 535. Development Technology (4). Technologies important in international development, including energy production, habitat design, waste recovery, water acquisition, and agriculture. [Weekly: 3 hrs lect, 3 hrs lab.]

ENGR 541. Hydrology II (3). Rainfall runoff processes; infiltration and groundwater vadose zone; water quality models and operational (stochastic) hydrology; groundwater quality. Engineering design applications. [Prereq: ENGR 440. Weekly: 2 hrs lect, 3 hrs lab.]

ENGR 543. Groundwater Hydrology (3). Groundwater and vadose zone hydrology; well hydraulics; introduction to groundwater planning, management, and remediation; large-scale flow and mass transport simulation models. [Prereq: ENGR 313 and ENGR 325. Weekly: 2 hrs lect, 3 hrs lab.]

ENGR 545. Water Resources Planning & Management (3). Engineering applications of economics, risk analysis, and mathematical simu-

lation and optimization models to water resource planning; multiobjective and sequential decision problems in reservoir operation and water quality management. Engineering design applications. [Prereq: ENGR 440. Weekly: 2 hrs lect, 3 hrs lab.]

ENGR 548. River Hydraulics (3). River morphology; water and sediment transport; channel formation; river restoration. Design applications. [Prereq: ENGR 351 and ENGR 416. Weekly: 2 hrs lect, 3 hrs lab.]

ENGR 551. Water & Wastewater Treatment Engineering (4). Water and wastewater treatment systems; bench-scale treatment operations. Engineering design applications. [Prereq: ENGR 351 and ENGR 416; both with passing grades of C. Weekly: 3 hrs lect, 3 hrs lab.]

ENGR 555. Engineered Natural Treatment Systems (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. [Prereq: ENGR 351 or ENGR 350, BIOL 105, ENGR 115; or IA.]

ENGR 571. Advanced Thermodynamics & Energy Systems (3). Continues ENGR 331. Application of 2nd law of thermodynamics; irreversibility, availability, power and refrigeration cycles, combustion, and phase equilibria. Engineering design applications. [Prereq: CHEM 110, PHYX 110, ENGR 331, ENGR 333; all with passing grades of C. Weekly: 2 hrs lect, 3 hrs lab.]

ENGR 573. Building Energy Analysis (3). Thermodynamics applied to energy analysis of buildings. Heating and ventilating systems; lighting; building envelopes; process loads. Analyze campus buildings. Engineering design applications. [Prereq: ENGR 326, ENGR 331, ENGR 333; all with passing grades of C. Weekly: 2 hrs lect, 3 hrs lab.]

ENGR 575. Renewable Energy Power Systems (3). Principles of hydro, wind, and photovoltaic power production and systems. Engineering design applications. [Prereq: ENGR 322, ENGR 331, ENGR 333, PHYX 315; all with passing grades of C. Weekly: 2 hrs lect, 3 hrs lab.]

ENGR 577. Solar Thermal Engineering (3). Analyze and design solar thermal systems. Availability of solar radiation; collector operation; system performance; simulation models. Engineering design applications. [Prereq: ENGR 322, ENGR 331, ENGR 333; all with passing grades of C. Weekly: 2 hrs lect, 3 hrs lab.]

ENGR 680. Selected Topics in Environmental Systems (1-3). [Rep.]

ENGR 690. Thesis (1-6). Prepare written thesis as required for grad degree. [Prereq: IA. Rep.]

ENGR 699. Independent Study in Environmental Systems (1-3). Conference, reading, and research. [Prereq: IA. Rep.]

ENGR 700. Professional Development in Engineering (1-3). Directed study for engineering professionals desiring advanced or specialized instruction, especially that leading to credentialing/certification. [Prereq: IA. Rep.]

Environmental Science

LOWER DIVISION

ENVS 110. Introduction to Environmental Science (3). Integrated/interdisciplinary examination of how components of Earth systems are connected through movement of matter and energy through biogeochemical processes. Mechanisms of interaction and spatial and temporal timescales of interactions.

ENVS 111. Environmental Science Seminar (1). Introduction to the scope of the environmental sciences, current issues, guest speakers, career opportunities. [Rep 4 times. CR/NC.]

ENVS 220. Introduction to Environmental Policy (3). Environmental policy formulation, implementation, and analysis. Process of formulating and implementing environmental policy and the evolution of natural resource and environmental policy in the United States.

ENVS 230. Environmental Problem Solving (3). Intro 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. [Prereq: ENVS 110, STAT 108 or STAT 109. Must have sophomore standing or greater. Weekly: 2 hrs lect, 3 hrs lab.]

UPPER DIVISION

ENVS 301 / GEOG 301. International Environmental Issues & Globalization (3). 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. [GE.]

ENVS 305 / EMP 305. Environmental Conflict Resolution (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. [GE. Weekly: 2 hrs lect, 2 hrs activ.]

ENVS 308. Ecotopia (3). Interdisciplinary study of redwood ecosystem biophysical and cultural characteristics. Guest presentations, disc/activ sessions. [Prereq: area B lower division GE completed. GE.]

ENVS 350. Principles of Ecological Restoration (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. [Prereq: BOT 105 and SOIL 260. Must have junior standing or greater. Registration priority given to ENVS majors; others may enroll with IA.]

ENVS 370. Energy, Technology & Society (3). Interdisciplinary course in energy, the environment, and society. Focuses on energy and climate

change, integrating physical science, social science, and policy dimensions. [Prereq: CHEM 107 or CHEM 109, PHYX 107 or PHYX 110, ENVS 230. Must have junior standing or greater.]

ENVS 400 / EMP 400. Inscape & Landscape (3) **FS**. An evaluation of individual perception (inscape) of nature (landscape) relative to our unique individual histories. An overview of human population growth, resource consumption, and resource availability will lead to a personal evaluation of the relationship of inscape to landscape. [GE. Weekly: 2 hrs lect, 2 hrs activ.]

ENVS 410. Environmental Science Practicum (3). Work locally to develop creative solutions to environmental problems. Critique opportunities and obstacles to innovative decision making. [Prereq: ENVS 110, ENVS 220, ENVS 230; senior or graduate standing and IA for non-majors.]

ENVS 411. Sustainable Campus (3). Environmental Science majors capstone: Systematic problem solving framework applied to making the campus sustainable. [Prereq: ENVS 110, ENVS 220, ENVS 230; senior or graduate standing and IA for non-majors.]

ENVS 450. Applied Ecological Restoration (3). Restoration process, including identifying causes of degradation, devising methods and goals for restoration, developing management strategies for restored sites, monitoring changes and assessing success; focus on aquatic systems. [Prereq: ENVS 350. Weekly: 2 hrs lect, 3 hrs lab. Must have senior standing or greater. Registration priority given to ENVS majors; others may enroll with IA.]

ENVS 480. Selected Topics in Environmental Sciences (1-4). Student preparations typically required. [Rep.]

ENVS 482. Environmental Science Internship (1-3). Practical experience. Apply knowledge gained through coursework. [Prereq: IA. Must have sophomore standing or greater. Rep up to 6 units.]

ENVS 499. Directed Study in Environmental Sciences (.5-4). Directed study in lab, field, or library under supervision of CNRS faculty member. [Prereq: upper division standing and IA.]

Environmental Studies

LOWER DIVISION

ENST 120. Introductory Seminar in Environmental Studies (1). This seminar introduces the environmental studies major and facilitates thoughtful selection of a "core competency." Guest faculty presenters; weekend field trip. [Prereq: Environmental Studies major. Senior/graduate standing excluded. CR/NC.]

ENST 295. Power/Privilege & Environment (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.

UPPER DIVISION

ENST 395. Environmental Studies Research & Analysis (4). Introduction to academic and field research approaches; social science-based qualitative and quantitative methodologies appropriate for environmental studies. [Prereq: Environmental Studies major.]

ENST 490. Environmental Studies Capstone Experience (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. [Prereq: ENST 295, ENST 395, Environmental Studies major with junior or senior standing.]

Ethnic Studies

LOWER DIVISION

ES 105. Introduction to US Ethnic Studies (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. [DCG-d. GE.]

ES 106. Introduction to Black Studies (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. [DCG-d. GE.]

ES 109 / CHIN 109. Introduction to Chinese Studies (3). This course employs historical, philosophical, comparative, and interdisciplinary approaches to study Chinese cultures and societies in global and local contexts. [Rep. DCG-n. GE.]

ES 245. Hip Hop & the Black Experience (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. [Prereq: ES 105 or CRGS 108 or SOC 104, or IA. DCG-d.]

UPPER DIVISION

ES 304 / GEOG 304. Migrations & Mosaics (3). 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. [DCG-d. GE.]

ES 306 / ANTH 306. World Regions Cultural Studies (3). Culture, values, and social interaction in cultures of a world region (North America, Latin America, Oceania, Middle East, Asia). [Rep for each different region offered. DCG-n. GE.]

ES 307. Multicultural History of Africa (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. [Rec: completion of lower division general education. GE.]

ES 308. Multi-Ethnic Resistance in the US (3). Examines historical/sociocultural perspectives of US ethnic minorities. Investigates marginalized communities' rebellion/sustained resistance against past/present oppression. Examines role of state and marginalized groups' agency in challenging national narratives. [DCG-d. GE.]

ES 310. US & Mexico Border (4). Overview of Mexico: from its indigenous roots, through formation of Spanish colonial society, to an independent nation-state. Cultural conflict and social change. [DCG-n.]

ES 314. Chicano Culture & Society in America (3). From establishment of 16th century Spanish frontier settlements. Formation of Mexican regional cultures; status of an American racial/cultural minority. [DCG-d.]

ES 320. African American History (3). Within context of American history, analyze African American heritage from its origins through the present.

ES 325. From Civil Rights to Black Power (3). Critique Civil Rights movement and Black Power revolution. Martin Luther King, Malcolm X, Black Muslims, Black Panthers. [Prereq: ES 320 or equivalent, or IA.]

ES 326. Media & the Politics of Representation (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.

ES 336 / ENGL 336. American Ethnic Literature (4). Read and discuss literature written by ethnic minorities in the US, including works by authors of African, Asian, Latin, Native American, Eastern European, and Middle Eastern descent. Focus varies. One of four units is individualized instruction on assigned topics. [Rep. DCG-d.]

ES 396. International Latino Film Seminar (1). This seminar presents and discusses three films from the Hispanic world, in Spanish with English subtitles. [CR/NC. Rep 3 times.]

ES 465B-C / ENGL 465B-C / WS 465B-C. Multicultural Issues in Literature/Languages (4). Themes, genres, figures, theories, or movements in literary or linguistics study in relation to issues of ethnicity and/or gender. [Prereq: ENGL 320. Rep. DCG. ES 465B (domestic); ES 465C (non-domestic).]

ES 480. Selected Topics in Ethnic Studies (1-4). [Prereq: two previous courses in ethnic studies or IA. Rep with different topics.]

ES 499. Directed Study (1-3). Individual study on selected problems. Advanced students only. Take only one ES 499 class per semester and four ES 499 classes during HSU academic career. Both provisions subject to petition. [Prereq: IA.]

GRADUATE

ES 680. Graduate Seminar (1-4). Intensive study of specialized topics. [Prereq: graduate standing. Rep.]

ES 690. Thesis (1-3). [Prereq: advancement to candidacy. Rep.]

ES 699. Independent Study (1-3). Individual study on selected problems. [Prereq: IA. Rep.]

Film

For courses marked with an asterisk (), frequency depends on staff resources/student need.*

LOWER DIVISION

FILM 102. Introduction to Radio, TV & Film (3) **S.** Major developments from beginnings to the present. [GE.]

FILM 109. Film Comedy Around the World (3). **F.** 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. [DCG-n. GE.]

UPPER DIVISION

FILM 260. Film Festival (2) **FS.** 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. [CR/NC. Rep.]

FILM 305. Art of Film: Beginning to 1950s (3) **F.** Motion picture as popular art. Contributions of individual artists in historical contexts. [GE.]

FILM 306. Art of Film: 1950s to the Present (3) **S.** Motion picture as popular art. Contributions of individual artists in their historical contexts. [GE.]

FILM 315. Filmmaking I (4) **FS.** Introduction to fundamentals of filmmaking using the basic tools of 16mm and digital media. [Insurance fee. Rep.]

FILM 317. Art of Film Discussion: Pre 1950s (1) **F.** Motion picture as popular art. Contributions of individual artists in their historical contexts. Film emphasis majors and minors to take concurrently with FILM 305. [Coreq: FILM 305. Rep 3 times.]

FILM 318. Art of Film Discussion: Post 1950s (1) **S.** Motion picture as popular art. Contributions of individual artists in their historical contexts. Film emphasis majors and minors to take concurrently with FILM 306. [Coreq: FILM 306.]

FILM 350. Writing for Film (4) **F.*** 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. [Offered alternate years.]

FILM 360. Science, Environment & Natural History Digital Production (4) **S.*** Examines how science, environment, and natural history films are used as a tool of scientific inquiry, discovery, and social change. [Insurance fee. Rep 3 times. Offered alternate years.]

FILM 362. Social Change Digital Production (4) **S.*** Examines how social change digital media is a tool that increases awareness and modifies behavior: Develop and produce short digital media

social change productions. [Insurance fee. Rep 3 times. Offered alternate years.]

FILM 375. Filmmaking II (4) **S.** Intermediate course introducing fundamentals of sync-sound 16mm filmmaking, lighting, digital editing, and audio field production. [Prereq: FILM 315 or IA. Insurance fee. Rep.]

FILM 380. Film Studies (1-4). * Topics fit needs/interests of class. [Rep.]

FILM 415. Filmmaking III (4) **F.** Advanced course in film completion processes in which students produce a short film that includes sound mixing, color correction, DVD mastering, and graphics. [Prereq: FILM 375 or IA. Insurance fee. Rep.]

FILM 425. Film Directing & Production Processes (4) **S.*** Students examine professional directing practices for the moving image, including production processes every director must master. [Insurance fee. Offered alternate years.]

FILM 455. Grant Writing (4) **F.*** 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. [Rep 3 times. Offered alternate years.]

FILM 455S. Grant Writing (4) **F.*** 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. [Rep 3 times. Offered alternate years.]

FILM 465. Film Seminar (4) **F.*** Seminar on film-related topics. [Rep.]

FILM 475. Filmmaking IV (4) **S.** Capstone course. Students pitch, develop, shoot, and complete a short film. Basic distribution materials developed. [Prereq: FILM 415, junior or senior standing. Insurance fee. Rep 3 times.]

FILM 477. Film/Digital Production Workshop (1-4) **FS.*** Special topics in film and/or digital production. Structure and curriculum varies. Appropriate skill level or knowledge required depending on curriculum. [Insurance fee. Rep.]

FILM 480. Special Topics in Film (1-4). * Variable topics. Check with Department for upcoming topics. [Rep; multiple enrollments in term.]

FILM 499. Directed Study (1-6). * Individual work on selected problems in Film. Hours TBA. [Rep; multiple enrollments in term.]

Fisheries Biology


LOWER DIVISION

FISH 220. Water Resources & Conservation (3). Abundance, status, and conservation of global water resources. Aquatic habitats available for fish and water quality requirements. Laws and agencies charged with protecting water resources. Water allocation conflicts and resolutions.

FISH 260. Fish Conservation & Management (3). Introduction to fisheries science. Overview of

relationships between fish and people, including law and regulatory agencies, management programs, and conservation.

UPPER DIVISION

 **FISH 300. Introduction to Fishery Biology** (3) **FS.** Identification, life histories, and ecology of important freshwater and marine fishes. Principles of fisheries management and its relationships with management of other resources. [GE.]


FISH 310. Ichthyology (4) **FS.** Biology of fishes and fishlike vertebrates. Anatomy/concepts of systematics of fishes; classifying fishes, particularly commercial, game, and forage species. [Prereq: ZOOL 110. Weekly: 3 hrs lect, 3 hrs lab.]

FISH 314. Fishery Science Communication (3) **F.** Technical literature; library usage; reporting. Organize/communicate written and oral scientific information. [Prereq: STAT 109 and FISH 310. FISH 310 may be taken concurrently. Weekly: 2 hrs lect, 2 hrs disc.]


FISH 320. Limnology (3) **F.** Lake formation and aging. Physical, chemical, and behavioral relationships between organisms and their environments. [Prereq: CHEM 107 or CHEM 109 or equivalent, and STAT 109.]

FISH 320L. Limnology Practicum (1). Survey lakes and streams. Survey equipment; analytical instruments; field and lab methods. [Coreq: FISH 320. Weekend field trips.]

 **FISH 335. U.S. & World Fisheries** (3) **F.** 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. [Prereq: IA. Weekly: 2 hrs lect, 3 hrs lab. Some weekend and after-hours field trips required.]

 **FISH 370. Aquaculture** (3) **S.** Culture and breeding of freshwater and marine fishes, sport and commercial. Operating fresh and saltwater hatcheries. Care and use of fishes as experimental animals. [Prereq: FISH 310 or IA.]

FISH 370L. Aquaculture Practicum (1). Culture methods and materials: egg-taking and fish rearing; operating hatchery facilities; hatchery and pond management. Requires hip boots or waders and rain gear. [Prereq: FISH 370 (C).]

 **FISH 375. Mariculture** (3) **S.** 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. [Prereq: FISH 310 or ZOOL 314. Lab requires after-hours time at marine lab.]


FISH 380. Techniques in Fishery Biology (3) **F.** Overview of fishery research methods: sampling theory, collection gear; stock identification methods, age and growth, tagging, and estimation of population size. [Prereq: FISH 310 (C) and STAT 109 (C), or IA. Weekly: 2 hrs lect, 3 hrs lab.]


FISH 410. Topics in Advanced Ichthyology (3) **S.** 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). Repeatable with different content. [Prereq: FISH 310. Weekly: 2 hrs lect, 3 hrs lab. Rep 4 times.]

FISH 434. Biology of Pacific Salmon (4). The biology and ecology of Pacific salmon, including evolution, life history strategies and migrations, ecology, feeding and growth, productivity, behavior, and hatcheries. [Prereq: STAT 109, FISH 310 or IA. Weekly: 3 hrs lect, 3 hrs lab.]

FISH 435. Biology of Marine Fishes (4) **F.** Environmental influences on life history, behavior, growth, and survival of marine and anadromous fishes. [Prereq: FISH 310 and OCN 109, or IA. Weekly: 3 hrs lect, 3 hrs lab. Some weekend and after-hours field trips.]


 **FISH 443. Problems in Water Pollution Biology** (3) **S.** Nature, scope, magnitude, and significance of water pollution; common pollutant materials; their nature, sources, and effects in natural waters; detection, surveillance, and abatement. [Prereq: FISH 320/FISH 320L or 8 units of upper division biology; one year of chemistry. Weekly: 2 hrs lect, 3 hrs lab.]

 **FISH 458. Fish Population Dynamics** (4) **F.** 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. [Prereq: MATH 105, STAT 109, and IA. Weekly: 3 hrs lect, 2 hrs computer lab.]

 **FISH 460. Advanced Fish Conservation & Management** (3) **S.** 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. [Prereq: FISH 434 (C) or FISH 435 (C).]

FISH 470. River Fish Restoration Ecology (3). Principals of ecological restoration applied to river fishes, emphasis on biological, physical and watershed processes. [Prereq: FISH 310. Weekly: 2 hrs lect, 3 hrs lab.]


FISH 471. Fish Diseases (3) **F.** Prevent, diagnose, manage, and treat infectious and noninfectious fish diseases. [Prereq: FISH 310 or equivalent, or IA. Weekly: 2 hrs lect, 3 hrs lab.]

 **FISH 473. Wastewater Aquaculture** (3) **S.** Use wastewater to enhance productivity of aquaculture systems. Functional similarity between wastewater treatment lagoons, fertilized fish ponds, and wastewater aquaculture systems. Polyculture in wastewater aquaculture; case studies. [Prereq: upper division standing and IA. Weekly: 2 hrs lect, 2 hrs activ.]

FISH 474. Conservation Genetics of Fish and Wildlife (4) **S.** Application of molecular methods to conservation, management, ecology, and evolution of fish and wildlife. [Prereq: BIOL 105 or equivalent. Weekly: 3 hrs lect, 3 hrs lab.]

FISH 475. Fish Bioenergetics (3). Energy requirements of fish; physiology of fish relative to energetic processes and constraints imposed by environmental conditions. [Prereq: STAT 109

and FISH 310. Prior course in physiology recommended. Weekly: 2 hrs lect, 2 hrs lab.]

 **FISH 476. Ecology of Running Waters** (3). Characterization of the physical and chemical environment, adaptations, distribution, and interactions of riverine biota, ecosystem structure and dynamics, and response to human alternation. [Prereq: BIOL 330 or IA. Weekly: 2 hrs lect, 3 hrs lab.]


FISH 480. Selected Topics in Fisheries (1-4). [CR/NC. Lect/lab as appropriate. Rep with different topics.]

FISH 490. Honors Thesis Research (1-4). [Prereq: FISH 314 or BIOL 369 or equivalent; GPA of 3.2 or higher. Prior to enrollment, file a formal application, including a research proposal. Rep.]

FISH 499. Directed Study (1-4). Independent study culminating in tangible evidence of academic accomplishment. [Prereq: upper division standing. Rep.]

GRADUATE

FISH 510. Topics in Advanced Ichthyology (3). 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). Repeatable with different content. [Prereq: FISH 310 or equivalent. Weekly: 2 hrs lect, 3 hrs lab. Rep 4 times.]


 **FISH 525. Wastewater Ecosystems Analysis/Reuse** (3). Principles of aquatic ecology applied to wastewater treatment. Reuse of treated effluents with natural resource benefits. Microbiology; wetland ecology; nutrient cycling and removal; soil chemistry. [Prereq: senior or grad status in CNRS and IA. Field trips to wastewater treatment facilities occasionally require one or more days' absence during the week.]

FISH 558. Fish Population Dynamics (4). 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. [Prereq: STAT 109 and MATH 105 (C). Weekly: 3 hrs lect, 2 hrs computer lab.]

FISH 570. River Fish Restoration Ecology (3). Principals of ecological restoration applied to river fishes, emphasis on biological, physical and watershed processes. [Prereq: FISH 310 or IA. Weekly: 2 hrs lect, 3 hrs lab.]

FISH 571. Advanced Fish Disease & Pathology (3). Epidemiology, pathology, diagnosis, and treatment of infectious and noninfectious fish diseases. [Prereq: FISH 471 and IA. Weekly: 2 hrs lect, 3 hrs lab.]

FISH 575. Fish Bioenergetics (3). Energy requirements of fish; physiology of fish relative to energetic processes and constraints imposed by environmental conditions. [Prereq: STAT 109 and FISH 310. Prior course in physiology recommended. Weekly: 2 hrs lect, 2 hrs lab.]

 **FISH 576. Ecology of Running Waters** (3). Characterization of the physical and chemical environment, adaptations, distribution, and inter-

actions of riverine biota, ecosystem structure and dynamics, and response to human alteration. [Prereq: BIOL 330 or any upper division ecology class. Weekly: 2 hrs lect, 3 hrs lab.]

FISH 580. Advanced Study in Fishery Biology & Management (1-4). Theories, principles, techniques. [Prereq: IA. CR/NC. Lect/lab (FISH 580L concurrently) as appropriate to instructor and topic. Rep with different topic and instructor.]

FISH 685. Graduate Fisheries Seminar (1). Discuss and review advanced topics. [Prereq: grad standing. CR/NC. Rep.]

FISH 690. Thesis (1-4). [Prereq: grad standing. Rep.]

FISH 695. Research Problems in Fisheries (1-4). Individual research on advanced lab or field problems. [Prereq: grad standing. Rep.]

FISH 699. Directed Study (1-4). Advanced independent studies terminating in tangible evidence of academic accomplishment. [Prereq: grad standing. Rep.]

Forest, Watershed, and Wildland Sciences

GRADUATE

FWWS 501. Research Methods and Planning (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.]

FWWS 690. Thesis Research (1-3). Directed thesis research. [Passing grade of B- required. Rep.]

FWWS 695. Field Research Problems (1-3). Directed individual research on field or laboratory problems. [Passing grade of B- required. Rep.]

FWWS 699. Directed Study (1-4). Individual study. Directed reading, conference, field research, or problems. [Passing grade of B- required. Rep.]

Forestry

LOWER DIVISION

FOR 100. Critical Thinking and Social and Environmental Responsibility (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. [GE.]

FOR 130. Dendrology (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. [Weekly: 2 hrs lect, 3 hrs lab.]

FOR 131. Forest Ecology (3). Ecological principles applied to forest management. Production ecology, biogeochemistry, disturbances, environmental factors, populations, community ecology, forest succession, and forest classification/description. [Weekly: 2 hrs lect, 3 hrs lab.]

FOR 170. Conclave: Logging Sports Competition (1). Local or regional logging sports competition. Safe use of traditional and modern forest operations equipment. Does not count towards forestry major. [Rep. CR/NC.]

FOR 210. Forest Measurements (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. [Prereq: math remediation completed or not required. Weekly: 3 hrs lect, 3 hrs lab.]

FOR 222. Forest Health & Protection (3). 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. [Prereq: completed lower division life science GE (BIOL 102/BIOL 102L or BIOL 104 or BIOL 105 or BOT 105). Weekly: 2 hrs lect, 3 hrs lab.]

FOR 223. Introduction to Wildland Fire (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. [Weekly: 1 hr lect, 3 hrs lab.]

FOR 250. Introduction to Forest Operations (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. [Weekly: 2 hrs lect, 3 hrs lab.]

FOR 285. Department Seminar (1). Review of current topics in forestry, fire, watershed, or soils. Presentations by speakers and development of professional writing and oral presentation skills. [CR/NC. Rep.]

UPPER DIVISION

FOR 302. Forest Ecosystems & People (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. Nonmajors only. [GE.]

FOR 307. California's Forests & Woodlands (3). Factors affecting distribution, perpetuation, and health of California's forests and woodlands. Field identification of northern California trees and shrubs. [Prereq: completed area B lower division GE. Weekly: 2 hrs lect, weekend field trips in northern California. GE.]

FOR 311. Forest Mensuration & Growth (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. [Prereq: FOR 130, FOR 210, STAT 109, MATH 105. Weekly: 3 hrs lect, 3 hrs lab.]

FOR 315. Forest Management (3). Managing forest-covered landscapes to meet a variety of objectives by applying economic, sociological, ecological, silvicultural, and operational principles. Nonmajors only. [Weekly: 2 hrs lect, 3 hrs lab.]

FOR 321. Fire Ecology (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. [Prereq: Course in Ecology or IA. Weekly: 2 hrs lect, 3 hrs lab.]

FOR 323. Wildland Fire Behavior (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. [Prereq: FOR 223. Weekly: 2 hrs lect, 3 hrs lab.]

FOR 331. Silvics – Foundation of Silviculture (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. [Prereq: FOR 130 and FOR 131; FOR 210 or STAT 108 or STAT 109; SOIL 260. Weekly: 2 hrs lect, 3 hrs lab.]


FOR 350. Forest Harvesting Systems (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. [Prereq: FOR 131, FOR 210, FOR 250. Weekly: 2 hrs lect, 3 hrs lab.]


FOR 353. Forest Road Location & Design (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. [Prereq: FOR 210, FOR 250, SOIL 260. Weekly: 2 hrs lect, 3 hrs lab.]

FOR 365. Forest Financial Administration (4). Capital budgeting; benefit/cost analysis; forest appraisal and taxation; welfare economics, management decision making; uncertainty and risk. [Prereq: FOR 311 (C). Weekly: 3 hrs lect, 3 hrs lab.]


FOR 374. Wilderness Area Management (3). Paradox of "managing" wilderness; scientific, legislative, philosophical frameworks; managing human use of, and influences on, wilderness. [Weekly: 2 hrs lect; weekend field trips.]


FOR 400. Forestry in Modern Society (3). "Humans are moral creatures" as a model for human integration. Role of professional forestry to serve society and conserve the landscape. Social and environmental reasoning for integrating layers of moral obligation. [GE.]


 **FOR 422. Wildland Fire Use** (3). Applying prescribed fire in land management. Fire effects, prescription burning objective, benefits, plans, prescriptions, firing patterns, burn monitoring and evaluation, and smoke management. [Prereq: FOR 321 and FOR 323, or IA. Evening presentations or weekend field trips may substitute for class meeting. Weekly: 2 hrs lect, 3 hrs lab.]


 **FOR 423. Wildland Fuels Management** (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. [Prereq: FOR 223 or IA. Weekly: 2 hrs lect, 3 hrs lab.]


FOR 424. Wildland Fire Seminar (1-3). Review literature on wildland fire. Variable topics including Native American Fire Use, Fire Management History, Wildfire Case Studies. [Rep up to 6 units.]


 **FOR 430. Forest Ecosystems** (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. [Prereq: FOR 131 or course in ecology. Weekly: 2 hrs lect, 3 hrs lab.]


 **FOR 431. Forest Restoration** (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. [Prereq: junior or senior standing and a course in ecology, or IA.]

 **FOR 432. Silviculture** (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). [Prereq: FOR 311 and FOR 331. Weekly: 3 hrs lect, 3 hrs lab.]

 **FOR 450. Harvesting Systems Design & Cost Analysis** (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. [Prereq: FOR 250, FOR 350, FOR 353, FOR 365, MATH 105. Weekly: 2 hrs lect, 3 hrs lab.]

 **FOR 471. Forest Administration and Ethics** (3). Policy making; administrative behavior; legislative, regulatory, legal, and ethical considerations as applied to forest management. [Prereq: FOR 250 and FOR 311. Rec: FOR 432. Must have junior standing or greater.]

 **FOR 475. Forest Management Decision Making** (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. [Prereq: FOR 311 and FOR 365, or IA. Weekly: 2 hrs lect, 3 hrs lab.]

 **FOR 476. Advanced Forest Management** (1-3). Discussion, student presentations, and papers on contemporary issues such as forestry operations research, wood lot management, international forestry, and organizational structure of the forest products industry. [Prereq: IA.]

FOR 479. Forestry Capstone (3). A forestry-related project, produced either by a team or by an individual, culminating in a public presentation. [Prereq: must be in final term prior to graduation.]


FOR 480. Selected Topics in Forestry (.5-4). Topics as demand warrants. [Rep.]


FOR 482. Internship (1-3). Students reflect critically upon work experience and report their critical reflections in a written report under faculty guidance. [Prereq: FOR 131 and FOR 210, or IA.]


FOR 490. Senior Thesis (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. [Prereq: IA.]


FOR 499. Directed Study (1-4). Individual study at upper division level. Conference, directed reading, field research, or problems. [Prereq: IA. Rep.]

GRADUATE

 **FOR 506. Advanced Principles of Remote Sensing & GIS** (3). Forest ecosystem measurements using remote sensing. Spectral signature analysis and computer classification of multispectral data from satellites. Raster data conversion to vector-based geographic information systems. [Prereq: GSP 216 or IA. Weekly: 2 hrs lect, 3 hrs lab. Rep.]

 **FOR 523. Advanced Wildland Fuels Management** (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. [Prereq: FOR 311 (C) and FOR 323, or IA.]

 **FOR 530. Advanced Forest Ecosystems** (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. [Prereq: FOR 131 or IA. Weekly: 2 hrs lect, 3 hrs lab. Rep.]

 **FOR 532. Advanced Principles in Silviculture** (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. [Prereq: IA. Weekly: 3 hrs lect, 3 hrs lab. Rep.]

FOR 680. Advanced Topics in Forestry (.5-4). Topics as demand warrants. [Rep with different topics.]

FOR 685. Forestry Graduate Seminar (1). Review important current literature. [Rep.]

French

LOWER DIVISION

FREN 105. French Level I (4). Introduction to French; develop basic language skills. [Does not meet lower division GE requirements. Coreq: FREN 105L.]

FREN 105L. French Laboratory Level I (1). Must be taken with FREN 105. Self-directed, subscription-based online language course. [Coreq: FREN 105.]

FREN 106. French Level II (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. Coreq: FREN 106L. GE.]

FREN 106L. French Laboratory Level II (1). Must be taken with FREN 106. Self-directed, subscription-based online language course. [Coreq: FREN 106.]

FREN 107. French Level III (4). Review grammar essentials. Improve conversational, reading, and writing skills. Sociocultural institutions in the French world. [Recommended Preparation: FREN 106. Coreq: FREN 107L. DCG-n. GE.]

FREN 107L. French Laboratory Level III (1). Must be taken with FREN 107. Self-directed, subscription-based online language course. [Coreq: FREN 107.]

FREN 207. French IV & Intro to Francophone Studies (4). Continued review of essentials of grammar. Read modern literary texts in French. [Recommended Preparation: FREN 107 or equivalent, or IA. Coreq: FREN 207L. DCG-n.]

FREN 207L. French Laboratory Level IV (1). Must be taken with FREN 207. Self-directed, subscription-based online language course. [Coreq: FREN 207.]

FREN 250. French Conversation for Travelers (2-3). Intermediate French conversation related to travel in France and Francophone countries. Communication for hotels, restaurants, public transportation, interaction with general public. Ideal preparation for travel and study abroad. [Prereq: FREN 106 (C) or IA. Rep twice.]

FREN 280. French Conversation & Retreat (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. [Prereq: FREN 106 or IA. Rep twice.]

UPPER DIVISION

FREN 300. African Storytelling (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. [DCG-n. GE.]

FREN 306 / GERM 306 / SPAN 306 / WS 306. Sex, Class & Culture: Gender & Ethnic Issues in International Short Stories (3). Gender and ethnic issues in French, German, and Span-

ish short stories by and about women. Readings, lectures, and discussions entirely in English. [Rep. DCG-n. GE.]

FREN 310. Nouvelles en Français: Variable Topics (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 (15 hours/unit). [Prereq: FREN 207 (C).]

FREN 311. French V & Stories from the Francophone World (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. [Prereq: FREN 207 or equivalent, or IA. DCG-n.]

FREN 312. French VI and (R)evolution in Modern French Literature (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. [Rep twice.]

FREN 314. Cultural History Topics in Early French Masterpieces (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. [Prereq: FREN 311 (C). Rep.]

FREN 321. Intensive French Language in France (4). Intensive French language immersion studies onsite in France, in cooperation with Francophone language institute. Oral-based curriculum with in-class study and off-campus interaction and communication activities. [Prereq or coreq: FREN 106 with a grade of B- or above.]

FREN 322. Cultural Journal in France (3). Cultural studies in French and guided excursions on site in France provide material for process writing of daily cultural journal entries. Historical sites may include Carcassonne, Arles, Aigues-Mortes, Ste. Marie de-la-Mer, Montpellier. [Prereq or coreq: FREN 106 with a grade of B- or above.]

FREN 323. Culture and Civilization in France (2). Lectures in French and guided excursions and activities on site in France. May include museums, monuments, French cuisine, cinema, perfume production, and historical sites such as Carcassonne, Arles, Aigues-Mortes, Ste. Marie de-la-Mer, Montpellier. [Prereq or coreq: FREN 106 with a grade of B- or above.]

FREN 324. Introduction to Language OR Intensive French Language: Regional Studies (1-4). Study French or another language of a Francophone country, such as Wolof, Arabic, or Creole. [Rep 3 times.]

FREN 325. French Cultural Journal: Regional Studies (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. [Rep 3 times.]

FREN 326. Culture & Civilization: Regional Studies (1-4). Study culture and civilization of a French-speaking country or region. [Rep 3 times.]

FREN 340. Topics in Francophone Culture (2-4). Variable topics. Presents an in-depth view of an important cultural issue in the Francophone world, such as "Musique: Fête, Critique, Révolte," "La femme africaine," and "French Caribbean Identity and Citizenship." Full-semester major course taught in French. [Prereq: FREN 107 (C). Rep 4 times.]

FREN 341. Current Event Topics in the Francophone World (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 English for the wider university public. [Rep 3 times.]

FREN 370. French Weekend Retreat (1). Speak conversational French during a weekend language immersion retreat complete with Francophone cuisine and French-language activities. [Prereq: FREN 106 (C). Rep.]

FREN 390. Topics in Cinema of the Francophone World (1-2). Cinema from West and North Africa, France, Canada. Previous topics include "Cinema of Ousmane Sembène," "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. [CR/NC. Rep.]

FREN 420. French Peer Tutoring (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.

FREN 430. Francophone Internship Abroad (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. [Prereq: FREN 106. Rep 3 times.]

FREN 480. Upper Division Seminar/Retreat (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. [Rep.]

FREN 492. Senior Honors Thesis or Project (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. [Prereq: GPA of 3.70 in major; consent of supervising professor and DA.]


FREN 499. Directed Study (1-4). Directed reading. Hours arranged. [Rep.]


Geography

Geography majors must also take the one-unit depth experience courses when offered.


LOWER DIVISION


 **GEOG 105. Cultural Geography** (3). Analyze selected landscapes, regions, and group characteristics resultant from interaction of human societies with various environments. [DCG-n. GE.]

 **GEOG 106. Physical Geography** (3). Global patterns of climate, soils, vegetation. Landform geography. Climate regions defined on basis of physical environmental and agricultural land-use parameters. *Majors must also take GEOG 106L.* [GE.]

 **GEOG 106L. Physical Geography Laboratory** (1). Intro to physical earth processes through laboratory and field exercises. [Coreq: GEOG 106. Rep once. GE.]

UPPER DIVISION

 **GEOG 300. Global Awareness** (3). Analyze current world conflicts and problem areas. Spatial, social, economic, political, and environmental realities. [DCG-n. GE.]


 **GEOG 301 / ENVS 301. International Environmental Issues & Globalization** (3). 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. [GE.]

GEOG 304 / ES 304. Migrations & Mosaics (3)
F. Role of international and internal migrations in shaping American population and society. Study of full range of ethnic mosaics. *Majors must also take GEOG 304M when offered.* [DCG-d. GE.]

GEOG 304M. Migrations & Mosaics Depth Experience (1). Engage in hands-on field experiences to provide opportunities to demonstrate mastery of course materials and application of concepts to "real-world" situations. [Coreq: GEOG 304. Rep once.]

GEOG 311. Geographic Research & Writing (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.

GEOG 311L. Geographic Research Laboratory (1). Intro to geographic research techniques using software and internet resources. [Coreq: GEOG 311. Rep once.]

 **GEOG 322. California** (3). Spatial interpretation of economic, political, social, and physical forces at work to forge California. Behavioral aspects of processes leading to change. *Majors must also take GEOG 322M when offered.*

 **GEOG 322M. California Depth Experience** (1). Embedded writing and literature workshop resulting in two book reports. Students also par-

participate in structured field experience. [Coreq: GEOG 322. Rep once.]

GEOG 332. Geography of the Mediterranean (3). Its role in history and contemporary issues. Emphasis on underlying cultural and ecological unity despite differences of politics, economics, and religion.

GEOG 335. Geography of the Middle East (3). Peoples, cultures, landscapes, and political economy. Traditional Islamic civilization; impact of colonialism; contemporary issues. *Majors must also take GEOG 335M when offered.*

GEOG 335M. Geography of the Middle East Depth Experience (1). Explore course topics in greater depth through a combination of writing assignments, poster creation, film and field exercises. [Coreq: GEOG 335. Rep once.]

GEOG 352. Regional Climatology (3). Nature of world's regional climates; tropospheric and oceanic circulation influence; orographic effects, large-scale weather disturbances. *Majors must also take GEOG 352M when offered.* [Prereq: GEOG 106 or equivalent.]

GEOG 352M. Regional Climatology Depth Experience (1). One hour per week of precipitation and temperature data collection and analysis, detailed discussion, and collaborative assignments to examine the earth's climate system on a detailed scale. [Coreq: GEOG 352. Rep once.]

GEOG 353. Mountain Geography (3). Mountain environments: origins; typical landforms; weather/climate influences; vegetation stratification; adaptations of animals/plants to altitude. *Majors must also take GEOG 353M when offered.*

GEOG 353M. Mountain Geography Depth Experience (1). Embedded data-driven research paper utilizing department format requirements, including a literature review, thesis, archival research, IMF databases, source analysis, graphics, and peer editing. [Coreq: GEOG 353. Rep once.]

GEOG 356. Global Ecology & Biogeography (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. [Prereq: GEOG 106. Rec: junior standing and introductory physical geography (e.g. GEOG 106) or related course are important prerequisites.]

GEOG 356M. Global Ecology & Biogeography Depth Experience (1). This course will provide in-depth exploration of methodologies, data, and discussions of recent research on global ecology and biogeography. [Coreq: GEOG 356.]

GEOG 357. Climate, Ecosystems & People (3). This course will examine impacts of recent climate change on ecosystems and landscapes with primary case studies from North America and global syntheses. [Prereq: GEOG 106. Rec: junior standing and introductory physical geography (e.g. GEOG 106) or related course are important prerequisites.]

GEOG 357M. Climate, Ecosystems & People Depth Experience (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. [Coreq: GEOG 357.]

GEOG 360. Geography of the World Economy (3). Organization of economic space. Production levels, locational analysis, economic development, world trade. Focus: globalization of economic processes.

GEOG 365 / PSCI 365. Political Ecology (4). Combines elements of human ecology and political economy to examine environmental degradation, conflict and conservation. Examines social movements. [Rep once.]

GEOG 387 / ANTH 387 / ECON 387 / HIST 387 / INTL 387 / PSCI 387. International Education Colloquium (1). Earn credit by attending International Education Week events the week before Thanksgiving and participating in an online discussion forum. Mandatory pre-event meeting in September. [CR/NC. Rep once.]

GEOG 411. Senior Field Research (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. [Prereq: GSP 101 (C) and GSP 101L (C), or old GEOG 216; GEOG 311 (C); or IA. Rep twice.]

GEOG 469. Geography Field Experience (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. [Prereq: IA. Rep.]

GEOG 470. Topics in Geography for Teachers (3) **F**. Prospective teachers develop materials and resources that can be applied in classrooms. Use case studies developed by national and state geographic educational alliances. [Prereq: teacher credential candidate or IA.]

GEOG 471. Topics in Systematic Geography (1-4). Use established methods of geographic inquiry. [Prereq: IA. Rep.]

GEOG 471M. Topics in Systematic Geography Depth Experience (1). Explore course topics in greater depth through a combination of writing assignments, poster creation, film and field exercises. [Coreq: GEOG 471. Rep once.]

GEOG 472. Topics in Regional Geography (1-4). Specialized consideration of selected world regions. [Rep.]

GEOG 472M. Topics in Regional Geography Depth Experience (1). Explore course topics in greater depth through a combination of writing assignments, poster creation, film and field exercises. [Coreq: GEOG 472. Rep once.]

GEOG 473. Topics in Advanced Physical Geography (1-4). Worldwide climatological, landform, and/or water resource situations as they affect human activities on a regional basis. [Prereq: GEOG 106. Rep.]

GEOG 473M. Topics in Physical Geography Depth Experience (1). Explore course topics in greater depth through a combination of writing assignments, poster creation, film and field exercises. [Coreq: GEOG 473. Rep once.]

GEOG 491. Educational Assistance (1-3). Advanced majors gain experience as teaching assistants working with a diverse body of students. [Prereq: IA.]

GEOG 499. Directed Study (.5-4). Selected problems. [Rep.]

GRADUATE

GEOG 690. Thesis (1-3). Guided investigation of research problem culminates in thesis written in compliance with HSU standards. [Prereq: grad standing, IA. Rep.]

GEOG 699. Directed Graduate Study (1-3). Directed study for master's candidates in social sciences wishing to emphasize geography. [Prereq: work in geography equivalent to department's lower division program, and IA. Rep.]

Geology

LOWER DIVISION

GEOL 106. Earthquake Country (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. May require 1-day weekend field trip. [GE.]


GEOL 108. The Dynamic Earth (3). Survey of general geology for non-science major. Continental drift, earthquakes, volcanism, mountain building, glaciation, landsliding, and other processes which have shaped earth's surface and affect humankind. Lab exercises in map reading, seismology, plate tectonics, environmental hazards, and at least two field trips. Not intended for majors in geology. [Weekly: 2 hrs lect, 3 hrs lab. GE.]


GEOL 109. General Geology (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. [Prereq: ELM score of 42 or higher. Weekly: 3 hrs lect, 3 hrs lab. GE.]


GEOL 110. Field Geology of the Western US (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. [Prereq: GEOL 108 or GEOL 109, and undergraduate geology major (geosciences option). Course fee required.]

GEOL 235. Geology Field Methods I (1). Fundamentals of field mapping: use of maps, compass, orienteering, measuring strike & dip, simple map project. [Prereq: GEOL 108 or GEOL 109, or IA. Weekend field exercise possible. Field trip fees possible.]


UPPER DIVISION


 **GEOL 300. Geology of California** (3). Analyze major geological provinces, lithologic assemblages, economic resources. [Prereq: GEOL 108 or GEOL 109. Cannot count for geology majors as upper division geology area of specialization. GE.]


 **GEOL 300L. Geology of California Field Trip** (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. [Prereq: GEOL 300 (C). Cannot count for geology majors as upper division geology area of specialization.]

 **GEOL 303. Earth Resources & Global Environmental Change** (3). Origins, occurrence, and limits of important energy, mineral, and water resources. Societal and environmental impacts of resource use and global climate change. [Prereq: GEOL 108 or 109. GE. Cannot count for geology majors as upper division geology area of specialization.]

GEOL 305. Fossils, Life & Evolution (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. [GE. Cannot count for geology majors as upper division geology area of specialization. May require field trip.]

 **GEOL 306. General Geomorphology** (3). Origin and development of landforms, landform classification, geomorphic processes. Methods of geomorphological analysis, topographic map interpretation, and aerial photo interpretation. [Prereq: GEOL 108 or GEOL 109. GE. Weekly: 2 hrs lect, 3 hrs lab; may require two weekend field trips.]

 **GEOL 308. Natural Disasters** (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 specialization. Prereq: GEOL 106 or GEOL 108 or GEOL 109 or GEOG 106, and upper division standing. GEOL 308L recommended concurrently. GE.]

 **GEOL 308L. Natural Disasters Laboratory** (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. [Prereq: upper division standing, GEOL 308 (C). GE.]

GEOL 312. Earth Materials (4). Description, identification, and classification of minerals and igneous, sedimentary, and metamorphic rocks in hand specimen. Occurrence and use of Earth materials. [Prereq: GEOL 109, and CHEM 109 (C) or CHEM 107. Weekly: 3 hrs lect, 3 hrs lab.]

GEOL 314. Optical Mineralogy-Petrography (4). Intro to optical crystallography and the optical properties of minerals and rocks determined using the petrographic microscope. Characteristic textures and compositions of igneous, sedimentary, and metamorphic rocks. Compare major petrological theories. [Prereq: GEOL 312. Weekly: 2 hrs lect, 6 hrs lab/field trip; may require 3-day field trip.]

GEOL 332. Sedimentary Geology (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. [Prereq: GEOL 109. Weekly: 3 hrs lect, 3 hrs lab; may require two weekend field trips.]

GEOL 334. Structural Geology (4). Describe and analyze structural features of rocks. Interpret the strain significance of structures. Fundamentals of plate tectonics. Tectonic analysis of regional geologic structure. [Prereq: GEOL 332, MATH 115, PHYX 106 or PHYX 109. Weekly: 3 hrs lect, 3 hrs lab; one or two all-day field trips.]


GEOL 335. Geology Field Methods II (1). Intermediate field mapping project including use of geology field equipment. [Prereq: GEOL 108 or GEOL 109, GEOL 235, GEOL 312 or GEOL 332 (C); or IA. Overnight trip and/or weekend field exercise likely. Field trip fees possible.]

GEOL 344. Paleontology (4). Modes of preservation, skeletal anatomy, systematics and taxonomy, biostratigraphy, paleoecology, paleobiogeography, and evolutionary history of invertebrate groups of traditional importance to geologists. Rec: BIOL 105 or introductory invertebrate zoology course. [Weekly: 3 hrs lect, 3 hrs lab.]

GEOL 399. Supplemental Work in Geology (1-3). Directed study intended for transfer student whose prior coursework is not equivalent to corresponding courses at HSU. [Prereq: DA. Rep 5 times.]

GEOL 435. Geology Field Methods III (1). Principles and methods of field mapping, in preparation for geology field camp: use of photo imagery; preparing notes, illustrations, and reports; using field instruments. [Prereq: GEOL 235, GEOL 306 (C), GEOL 312, GEOL 334 (C), GEOL 335. GEOL 314 recommended. Weekend field exercises or overnight trips possible. Field trip fees possible.]

GEOL 455. Geology Colloquium (1). Geology colloquium with a series of lectures given by invited geoscience professionals. [Rep.]

 **GEOL 457. Engineering Geology** (3). Apply geologic methods, principles, and information to engineering and related fields. Analyze earth materials, properties, and processes significant to modern engineering projects. [Prereq: GEOL 334 or IA. Weekly: 2 hrs lect, 3 hrs lab/field trip for half semester; may require 4-day field trip.]

GEOL 460. Solid Earth Geophysics (3). Principles of seismology, gravity, geodesy, terrestrial heat flow, geomagnetism, and paleomagnetism. Emphasis on earth as a whole: its internal constitution and evolution. [Prereq: MATH 110, and PHYX 107 or PHYX 110. Strongly rec: GEOL 334. Weekly: 2 hrs lect, 3 hr lab.]

GEOL 465. Geosciences Senior Project (2). Combined literature, field, and/or laboratory study, internship, or service learning experience directed toward a geoscience topic or problem. [Prereq: IA.]

GEOL 475. Geology Field Camp (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. [Prereq: GEOL 314, GEOL 334, GEOL 435, and GPA of 2.0 or higher for all geology courses. GEOL 306 & GEOL 344 recommended.]

GEOL 482. Instrumental Methods in Geology (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 airphoto interpretation, GIS, and remote sensing in geology. [Prereq: PHYX 109 or PHYX 106, and GEOL 312 or GEOL 306; or IA.]

GEOL 485. Seminar (1). Discuss selected topics; correlated reading and reports. [Rep 3 times. Prereq: senior standing or IA.]

GEOL 490 (1), GEOL 491 (1), GEOL 492 (2). Senior Thesis. Prepare thesis 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. [Prereq: GPA of 2.5 or higher for all geology courses and DA.]

GEOL 499. Independent Study (1-5). Reading, conference, and/or research. [Rep 4 times. Prereq: DA.]

GRADUATE

GEOL 531. Advanced Physical Geology (1-3). Topics may include igneous and metamorphic petrology, advanced structural geology, paleoecology, volcanology, experimental petrology, geophysics, regional geology investigations, special topics. Field trip fees may be assessed. [Prereq: GEOL 314 and GEOL 334, or IA. With consent, rep up to 4 times.]

GEOL 531L. Advanced Physical Geology Lab (.5-1). When offered, take concurrently with 531. May involve weekend or week-long field trip(s).

GEOL 550. Fluvial Processes (3). Quantitative and qualitative description of river processes. Mechanics of flow and sediment transport in open channels; adjustments of channel form and pattern; fluvial sediment budgets; techniques for field measurement. [Prereq: GEOL 306, MATH 110, PHYX 107 or PHYX 110; or IA. Weekly: 2 hrs lect, one 3-hr lab; may require 1-day weekend field trip(s).]

GEOL 551. Hillslope Processes (3). Quantitative and qualitative description of the mechanics of erosion and deposition on hillslopes. Develop and apply sediment budgets. Hillslope hydrology, weathering, mass movement, slope stability, sheet and rill erosion, slope development models, and techniques for field measurement of slope processes. [Prereq: GEOL 306, MATH 110, PHYX 107 or PHYX 110; or IA. Weekly: 2 hrs lect, one 3-hr lab; may require 1-day weekend field trip(s).]

GEOL 553. Quaternary Stratigraphy (4). Concepts, theory, methods of Quaternary geology; soil stratigraphy, climate changes; glacial and periglacial processes and patterns. [Prereq: GEOL 306. Weekly: 3 hrs lect, 3 hrs lab/field trip; may require extended weekend field trip(s).]

GEOL 554. Advanced Geology Field Methods (2). Week-long field excursion to study and interpret quaternary stratigraphic, volcanic, and tectonic problems using appropriate field techniques. Field trip fees may be assessed. [Rep twice.]

GEOL 555. Neotectonics (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. [Prereq: GEOL 334 and GEOL 306. Weekly: 2 hrs lect, 3 hrs lab or field trip; may require extended weekend field trip(s).]

GEOL 558. Geomorphology of Soils (3). Physical and chemical weathering mechanisms; climosequences, toposequences, chronosequences; relation of soils to erosional and depositional processes; interpretation of paleosols; use of soils in relative dating of geologic deposits. [Prereq: GEOL 306 and CHEM 110, or IA. May require weekend field trip(s).]

GEOL 561. Applied Geophysics (3). Apply geophysical methods to mineral exploration, geological engineering, crustal studies. Seismic reflection, refraction, electrical resistivity, magnetic and gravity surveying. [Prereq: MATH 110, PHYX 107 or PHYX 110, upper division standing in a technical or scientific field. Strongly rec: GEOL 334. Weekly: 2 hrs lect, 3 hrs lab.]

GEOL 690. Thesis (1-6). Conduct research and prepare written thesis as required for grad degree. [Prereq: IA. Rep up to 6 units.]

GEOL 699. Independent Study (1-5). Possible modes: reading, conference, research. [Prereq: grad standing and DA. Rep 5 times.]

CREDENTIAL/LICENSURE

GEOL 700. In-Service Professional Development in Geology (1-3). Directed studies for geology professionals desiring advanced or specialized instruction, especially that leading to credentialing or teacher certification. [Prereq: IA. May require 1-day weekend field trip(s). Rep 5 times.]

Geospatial Analysis

LOWER DIVISION

GSP 101. Geospatial Concepts (2). 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. [Coreq: GSP 101L. Rec: basic computer literacy. GE.]

GSP 101L. Geospatial Concepts Lab (1). Traditional and computer lab activities to develop understanding of scale, coordinate systems, geodesy,

direction, projections, surveying, global positioning systems (GPS), remote sensing, geographic information systems (GIS), cartography. [Rec: basic computer literacy. GE.]

GSP 118. Geospatial Programming I (4). 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.

GSP 216. Introduction to Remote Sensing (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. [Prereq: GSP 101 and GSP 101L. Weekly: 2 hrs lect, 3 hrs lab.]

GSP 270. Introduction to Geographic Information Science (GIS) (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. [Prereq: GSP 101 and GSP 101L. Weekly: 2 hrs lect, 3 hrs lab.]

UPPER DIVISION

GSP 316. Cartography (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. [Prereq: GSP 101 (C) and GSP 101L (C), or GSP 270 (C) and GSP 330 (C). Weekly: 3 hrs lect, 3 hrs lab.]

GSP 326. Intermediate Remote Sensing (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. [Prereq: GSP 216 and junior standing or greater. Rec: MATH 105. Weekly: 2 hrs lect, 3 hrs lab.]

GSP 330. Mobile Mapping (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. [Prereq: GSP 101, GSP 101L, and GSP 216 (C) or GSP 270 (C). Weekly: 2 hrs lect, 3 hrs lab.]

GSP 370. Intermediate Geographic Information Science (GIS) (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. [Prereq: GSP 270. Must have sophomore standing or greater. Weekly: 2 hrs lect, 3 hrs lab.]

GSP 416. Advanced Cartography Design Seminar (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. [Prereq: GSP 316. Rep.]

GSP 426. Cartography Practicum (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. Permission of the instructor needed for registration. [Prereq: GSP 270, GSP 316, and IA.]

GSP 436. Advanced Remote Sensing (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. [Prereq: GSP 326. Rec: MATH 105. Must have senior standing or greater. Weekly: 2 hrs lect, 3 hrs lab.]

GSP 470. Advanced Geographic Information Science (GIS) (3). Automation of geospatial processing. Analysis operations including viewsheds, linear referencing, least cost path, accessibility, point pattern, and cluster analysis. Spatial process modeling, interoperability, SOA, SAS, and open-source software. [Prereq: GSP 370. Must have junior standing or greater. Weekly: 2 hrs lect, 3 hrs lab.]

GRADUATE

GSP 570. Geospatial Modeling (4). Spatial statistics, spatial sampling, modeling and kriging, surface analysis and interpolation. Spatial autocorrelation and error: Neural networks, cellular automata, heuristics, agent-based models and simulation modeling. Scripting to enhance analytical efficiency. [Prereq: GSP 470. Must have senior or graduate standing. Weekly: 3 hrs seminar, 3 hrs lab.]

German

LOWER DIVISION

GERM 105. German Level I (4). Introduces German through communication-based instruction and activities. Does not meet lower division GE requirements. Instructor may waive upon demonstration of equivalent proficiency. [Coreq: GERM 105L.]

GERM 105L. German Laboratory Level I (1). Must be taken with GERM 105. Self-directed, subscription-based online language course. [Coreq: GERM 105.]

GERM 106. German Level II (4). Communication-based approach to the German-speaking world. Develop basic language skills while learning about cultural differences/similarities. [Recommended Preparation: GERM 105. Coreq: GERM 106L. GE.]

GERM 106L. German Laboratory Level II (1). Must be taken with GERM 106. Self-directed, subscription-based online language course. [Coreq: GERM 106.]

Health Education

LOWER DIVISION

HED 120. Responding to Emergencies — CPR/FP

(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. [Rep 4 times.]

HED 231. Basic Human Nutrition (3). Nutrient requirements for healthy living. Analyze food sources, function of nutrients, chemical processing, and food absorption. [Rec: chemistry.]

UPPER DIVISION

HED 342. Nutrition for Athletic Performance

(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.

HED 344. Weight Control (3). Theories and practices related to maintaining safe and healthy weight levels. Diet analysis; body composition and effects of exercise; behavior modification.

HED 388. Health-Related Behavior Change

(3). Determinants of health-related behavior. Principles of behavior change applied to personal and environmental health. Methods for promoting sustainable health behavior change at the individual, group, and community levels.

HED 390. Design & Implement HP Program

(3). Planning, implementing and evaluating health promotion programs for different populations and different settings.

HED 392. Community & Population Health

(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.

HED 400. A Sound Mind in a Sound Body:

Human Integration (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. [Prereq: minimum junior standing. GE.]

HED 405. School Health Programs (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.

HED 446. Optimal Bone & Muscle Development (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. [Prereq: HED 342 or HED 231.]

HED 495. Directed Field Experience (1-6). Assigned field experience under supervision of college staff. [Prereq: DA. Rep.]

HED 499. Directed Study (1-6). Supervised independent study of areas not covered by scheduled courses. [Rep.]

GRADUATE

HED 500. Cardiac Rehabilitation (3). Human cardiopulmonary system; abnormalities in heart and respiratory functions; exercise program; exercise testing. [Prereq: IA.]


CREDENTIAL/LICENSURE

HED 705. School Health Programs (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/dying, human sexuality, and stress. CPR training and certification. Meets health education requirement for teaching credential.

History

LOWER DIVISION

HIST 104. Western Civilization to 1650 (3) **FS**. 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. [GE.]


 **HIST 105. Western Civilization, 1650 to Present** (3) **FS**. 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. [GE.]


HIST 107. East Asian History to 1644 (3). China, Korea, and Japan from prehistory to 1644. Early China, Japan, Korea, and Vietnam: their history and arts. [GE.]

HIST 108. East Asian Civilization Since 1644 (3). China, Japan, Korea, and Vietnam from 1644 to the present, emphasizing the maturing of East Asian civilization as it encountered the West. [GE.]

HIST 109. Colonial Latin American History (3). Pre-Columbian and colonial Latin America to 19th century independence movements. [GE.]

HIST 109B. Modern Latin America (3). Major themes/problems in history of Latin America from early 1800s (independence) to present. [GE.]

 **HIST 110. United States History to 1877** (3) **FS**. Selected topics. Sources and conditioning factors of American social, political, and economic systems to 1877. Meets requirement in US history established by California legislature.

 **HIST 111. United States History from 1877** (3) **FS**. Selected topics. Sources and conditioning factors of American social, political, and economic systems from 1877. Meets requirement in US history established by California legislature.

GERM 107. German Level III (4). Improve conversational, reading, and writing skills through review of language essentials. A cultural studies approach to learning German. [Recommended Preparation: GERM 106. Coreq: GERM 107L. GE.]

GERM 107L. German Laboratory Level III (1). Must be taken with GERM 107. Self-directed, subscription-based online language course. [Coreq: GERM 107.]

GERM 207. German Level IV (4). Continued review of language essentials and culture. Read modern literary texts in German. [Recommended Preparation: GERM 107 or equivalent, or IA. Coreq: GERM 207L.]

GERM 207L. German Laboratory Level IV (1). Must be taken with GERM 207. Self-directed, subscription-based online language course. [Coreq: GERM 207.]

GERM 280. Lower Division Retreat/Seminar (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. [Prereq: completed German level II or IA. Rep.]

UPPER DIVISION

GERM 305. Marx, Nietzsche, Freud & German Literature (3). Literary texts by major authors. Works reflect a search for both personal freedom and social responsibility by incorporating ideas of Marx, Nietzsche, Freud. Taught in English. [GE.]

GERM 306 / FREN 306 / SPAN 306 / WS 306. Sex, Class & Culture: Gender & Ethnic Issues in International Short Stories (3). Gender and ethnic issues in French, German, Spanish and English-language short stories by and about women. Readings, lectures, and discussions entirely in English. [Rep. DCG-n. GE.]

GERM 311. German Level V (4). Increases student proficiency in language and culture through active use of German for purposeful communication. In-depth study of language and culture and solid progress in language. Incorporates text, video, audio, and computer. [Prereq: GERM 207 or equivalent, or IA. Rep once.]

GERM 312. German Level VI (4). Uses proven strategies to build oral and written skills and enables meaningful communication. In-depth study of language and culture and solid progress in language. Incorporates text, video, audio, and computer. [Prereq: GERM 311 or equivalent, or IA. Rep once.]

GERM 350. Advanced Conversational German (3). Improve fluency in spoken German. [Prereq: GERM 207 or IA. Rep.]

GERM 480. Undergraduate Seminar (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. [Prereq: IA. Rep.]

GERM 499. Directed Study (1-3). Directed reading. [Hours TBA. Rep.]

HIST 199. Discussion Lab (1). Discuss readings, films, and/or computer resources. [Rep 3 times.]

HIST 210. Historical Methods (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.

UPPER DIVISION

HIST 300. The Era of World War I (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. [GE.]

HIST 300R. The Era of World War I, Research Seminar (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. [Coreq: HIST 300. Rep once.]

HIST 301. The Era of World War II (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. [GE.]

HIST 301R. The Era of World War II, Research Seminar (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. [Coreq: HIST 301. Rep once.]

HIST 305. The American West, 1763-1900 (3). Diverse American peoples and their frontier experiences between Appalachians and Pacific Coast. Four units to be taken by majors only. [GE.]

HIST 305M. The American West Depth Experience (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. [Coreq: HIST 305. Rep once.]

HIST 311. World History to 1750 (3). Survey of the major events, trends, structures, and cross-cultural interactions in World History prior to 1750. Starts with rise of "civilization" in Mesopotamia and concludes with the European Enlightenment. For those planning to teach elementary school or social science single subjects.

HIST 312. World History from 1750 (3). Survey of the major events, trends, structures, and cross-cultural interactions in World History from 1750 to the end of the Cold War and rise of a multi-polar world. For those planning to teach elementary school or social science single subjects.

HIST 314. Ancient Greek Civilization & History (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. [History majors must take HIST 210 as a prerequisite or have consent of the department chair.]

HIST 315. History & Civilization of Rome (4). From legendary founding to Christianity's triumph. Imperialism, the Republic, the Principate, reasons for Rome's decline. [History majors must take HIST 210 as a prerequisite or have consent of the department chair.]

HIST 322. The Age of Knights & Monks (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. [History majors must take HIST 210 as a prerequisite or have consent of the department chair.]

HIST 326. History of Mexico (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. [History majors must take HIST 210 as a prerequisite or have consent of the department chair. Rep.]

HIST 327. History of Brazil (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 multi-cultural society. [History majors must take HIST 210 as a pre- or corequisite. DCG-n.]

HIST 329. Imperial China (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. [Prereq: HIST 210 (C). History majors and Chinese Studies majors only. Offered every other year.]

HIST 338. Modern Chinese History (4). Political/social events from Opium Wars to the present. [History majors must take HIST 210 as a prerequisite or have consent of the department chair.]

HIST 339. Modern Japanese History (4). Political, social, and economic events from Tokugawa shogunate to present. Westernizing/modernizing processes. [History majors must take HIST 210 as a prerequisite or have consent of the department chair.]

HIST 342. Musketeers, Witches, and Kings (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. [History majors must take HIST 210 as a prerequisite or have consent of the department chair.]

HIST 343. French Revolution & Napoleon (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. [Prereq: HIST 210 (C). Offered occasionally.]

HIST 345. Imperialism (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. [History majors must take HIST 210 as a prerequisite or have consent of the department chair: DCG-n.]

HIST 348. Modern Germany (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. [History majors must take HIST 210 as a prerequisite or have consent of the department chair.]

HIST 349. Renaissance & Reformation (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. [Prereq: HIST 210 (C). Offered occasionally. Rep once.]

HIST 350. History of the Soviet Union (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. [History majors must take HIST 210 as a prerequisite or have consent of the department chair.]

HIST 353. Modern Britain (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. [History majors must take HIST 210 as a prerequisite or have consent of the department chair.]

HIST 368. Colonial & Revolutionary America (4). Growth of English mainland colonies in 17th and 18th centuries, culminating in war for American independence. [History majors must take HIST 210 as a prerequisite or have consent of the department chair.]

HIST 369. Age of Jefferson & Jackson (4). Battles over constitutional interpretations from 1787 to 1830s. Biographical emphasis. Development of political parties, social and economic reforms, states' rights. [History majors must take HIST 210 as a prerequisite or have consent of the department chair.]

HIST 371. Civil War & Reconstruction (4). Dissolution and reunification of American Union, 1861-77. Rebellion and secession; military campaigns; wartime civil rights; constitutional, political, social crises. [History majors must take HIST 210 as a prerequisite or have consent of the department chair.]

HIST 372. Rise of Modern America, 1877-1929 (4). Industrial and urban growth; rise of big business and big government; US as a world power. [History majors must take HIST 210 as a prerequisite or have consent of the department chair: DCG-d.]

HIST 374. Contemporary America, 1929 to the Present (4). Impact of depression and war; economic growth and political conflict; emergence of US as superpower and affluent society. [History majors must take HIST 210 as a prerequisite or have consent of the department chair.]

HIST 375A. US Foreign Relations, 1789-1943 (4). Survey main themes from American Revolution through 19th century; then 1890s until World War II covered in greater depth. [History majors must take HIST 210 as a prerequisite or have consent of the department chair.]

HIST 375B. US Foreign Relations, 1943-Present (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. [History majors must take HIST 210 as a prerequisite or have consent of the department chair. Rep once.]

HIST 377. Vietnam Wars (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. [History majors must take HIST 210 as a prerequisite or have instructor approval. DCG-n.]

HIST 383. California History (4). Historical analysis of factors producing the complex, diverse commonwealth of California. [History majors must take HIST 210 as a prerequisite or have consent of the department chair.]

HIST 387 / ANTH 387 / ECON 387 / GEOG 387 / INTL 387 / PSCI 387. International Education Colloquium (1). Earn credit by attending International Education Week events the week before Thanksgiving and participating in an online discussion forum. Mandatory pre-event meeting in September. [CR/NC. Rep once.]

HIST 391. Special Topics & Interdisciplinary Studies in History (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. [Prereq: appropriate upper division work or IA. History majors must take HIST 210 as a prerequisite or have consent of the department chair. Rep.]

HIST 392. Special Topics in European History (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. [History majors must take HIST 210 as a prerequisite or have consent of the department chair. Rep.]

HIST 393. Special Topics in Non-Western History (1-4). Special topics in world regional history will vary. [History majors must take HIST 210 as a prerequisite or have consent of the department chair. Rep.]

HIST 394. History Conference (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. [Rep once.]

HIST 396. International Latino Film Seminar (1). This seminar presents and discusses three films from the Hispanic world, in Spanish with English subtitles. [CR/NC. Rep 3 times.]

HIST 420. Interpreting History for Teachers (3). Capstone course in history for the Social Sciences Education major that is performance based, enabling students to demonstrate the

ability to connect their studies to state education standards. [Prereq: HIST 110 or HIST 111.]

HIST 423. Portfolio for Teaching Majors (1). Critically assess own progress and skills acquisition in the history major teaching track. [CR/NC.]

HIST 482. Internship in History (1-3). Field observation and placement in a public or private nonprofit agency. [Prereq: IA. CR/NC. Rep.]

HIST 490. Senior Seminar (4). Directed, individual investigation. Prepare senior research paper. Apply techniques of historical research and criticism. [Prereq: completed lower division history requirements and senior standing. History majors must take HIST 210 as a prerequisite or have consent of the department chair.]

HIST 491. Mentoring (1-3). Advanced majors gain experience as teaching assistants working with a diverse body of students. [Prereq: IA. Rep.]

HIST 493. Portfolio Assessment for History Majors (1). Critically assess own progress and skills acquisitions in the history major. [Coreq: HIST 490. CR/NC.]

HIST 499. Directed Study (1-4). Assigned readings or research in specific historical period or topic. [Open to advanced students only upon IA and DA. Rep.]

International Studies

LOWER DIVISION

INTL 100. Thinking Critically About Globalization (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. [GE.]

INTL 210. Introduction to International Studies (3). 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. [Prereq: ENGL 103 or ENGL 104 or ENGL 100.]

INTL 220. Introduction to Cultural Studies (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.

INTL 280. Topics in International Studies (1-4). Selected intermediate topics in International Studies. Topics vary by offering. [Rep.]

UPPER DIVISION

INTL 387 / ANTH 387 / ECON 387 / GEOG 387 / HIST 387 / PSCI 387. International Education Colloquium (1). Earn credit by attending International Education Week events the week before Thanksgiving and participating in an online discussion forum. Mandatory pre-event meeting in September. [CR/NC. Rep once.]

INTL 410. Global Issues Analysis (3). Interdisciplinary analysis of global issues bridging the

perspectives of politics, economics, and culture. [Prereq: INTL 210, INTL 220 (C), PSCI 240 (C), ECON 305 or ECON 306. Sophomore standing or greater.]

INTL 480. Topics in International Studies (1-4). Selected advanced topics in International Studies. Topics vary by offering. [Rep.]

INTL 490. International Studies Capstone (3). Students synthesize and apply the student learning outcomes in the program in preparation for career or graduate studies. [Prereq: fulfillment of advisor-approved Residency Abroad and INTL 410 (C). Senior standing International Studies major.]

Journalism & Mass Communication

Note: Ability to type needed in all journalism and mass communication skills courses.

To take courses marked with asterisks (), students must have successfully completed ENGL 100 or ENGL 103 or ENGL 104, with a grade of C or higher, or be eligible to take ENGL 100 by EPT score or other method.*

LOWER DIVISION

JMC 105. Introduction to Mass Communication (3). The history, economics, ethics, and conflicts in US mass media practices. How mass media laws and industries affect and have affected our culture, economy, and political community over time. Using basic media criticism concepts, we will evaluate the honesty, independence, and productivity of various mass media and the effects they have on individuals and society.

JMC 120. Beginning Reporting (3).* Evaluate news gathering methods, sources, and writing used in news accounts. Exercises in organizing, writing news.

JMC 125. Introduction to Journalism Tools (3). Introduction to journalistic storytelling through audio, still photography, video, and website design.

JMC 134. Photojournalism & Photoshop (3). This course will cover history of photography and photojournalism and skills in the practice of photojournalism (including legal and ethical issues, layout and design principles, caption writing, digital-SLR camera operation, Photoshop software, and optimizing images for publication).

JMC 150. Digital Design (3). Use the Adobe Creative Suite to design publications for news, public relations, and advertising.

JMC 154. Radio Production (3). Skills, techniques, and concepts in broadcast communication. Operation of equipment and programming. Prepare for on-air work with KRFB-AM. [Weekly: 2 hrs lect, 3 hr lab.]

JMC 155. KRFB Workshop (1). Work on staff of campus carrier-current radio station. [Prereq: JMC 154 (C). Rep.]

JMC 156. Video Production (3). An introduction to basic video production using field cameras and digital editing.

UPPER DIVISION

JMC 302. Mass Media & Popular Arts (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. [GE.]

JMC 309. Analyzing Mass Media Messages (3). Analyze mass media materials prepared by practitioners in arts, humanities, social sciences, and science and technology. Oral and written discussion of materials and related topics. [GE. CWT.]

JMC 318. Empirical Research in Communication (3). Logic and tools used in communication studies. Aspects of survey and experimental research. Practical uses by mass media professionals. Become a more critical consumer of empirical research in the mass media and society.

JMC 320. Advanced Reporting (3). * Advanced interviewing techniques. Locate, examine, and incorporate documents as part of a news reporting process. [Prereq: JMC 120 or IA.]

JMC 322. Editing (3). * Typography, newspaper layout and design, editing, news evaluation, reference materials, headline writing, making news meaningful, newspaper law, copy fitting, makeup, editorial problems. [Prereq: JMC 120 and JMC 125.]

JMC 323. Public Relations (3). The history, theory, and practice of public relations in a broad range of organizations and institutions, its impact on publics, and its functions in society. The course includes legal and ethical issues, case problems, publicity techniques, and practice in the process of public relations program planning and management.

JMC 324. Advanced News Writing (3). * Non-fiction feature writing. Long form and alternative storytelling formats. Read and analyze feature stories from magazines, newspapers, and online publications. [Prereq: JMC 120 and JMC 125.]

JMC 325. Magazine Production Workshop (2). * Magazine planning; write and edit articles; do layout and paste-up; produce campus magazine. [Prereq: JMC 120 or IA. CR/NC. Rep 4 times.] See major requirements for practicum unit cap.

JMC 326. Investigative Reporting (3). * An advanced reporting and writing class. You will learn to apply in-depth reporting techniques and synthesize large amounts of information into a compelling story about an important community issue. [Prereq: JMC 120. Rec: JMC 320.]

JMC 327. Multimedia News Workshop (2). * Faculty-supervised workshop for staff of *The Lumberjack* student newspaper and online publication. Students will produce news stories for publication and Internet broadcast through print, audio, and video media. [Prereq: JMC 120 and JMC 125. CR/NC. Rep 4 times] See major requirements for practicum unit cap.

JMC 328. Media Law (3). Laws which guarantee and protect privileges and define duties and responsibilities of mass media. Constitutional law, privacy, libel, contempt of court, governmental regulations pertinent to mass media.

JMC 330. International Mass Communication (3). Comparative press systems and theories; international and crosscultural communication; international news reporting of foreign presses and other institutions.

JMC 332. Media Ethics (3). An examination of ethical issues in news, advertising, public relations, and the entertainment industry.

JMC 333. Radio News Workshop (2). * Theory and practice of gathering, writing, and editing news for broadcast. News assignments for campus radio stations KHSU-FM and KRFH-AM. [Prereq: JMC 120. CR/NC. Rep 4 times.] See major requirements for practicum unit cap.

JMC 334. Advanced Photojournalism & Photo-shop (3). Intermediate to advanced skills in the practice of photojournalism and Photoshop, portfolio development, and freelancing methods. [Prereq: JMC 134 or basic photography course or IA.]

JMC 336. Advanced Video Production (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.

JMC 338. Mass Media Internship (1-3). Assignment on newspapers or magazines, in broadcast media, or in public relations or advertising. Supervised by employing organization. Observe, report, and discuss. JMC majors/minors only. [Prereq: IA. CR/NC. Rep 4 times.] See major requirements for practicum unit cap.

JMC 340. Mass Communication History (3). History of US print and broadcast media. Review European roots, great names, and development of technology/practices.

JMC 354. Media Advertising (3). Role of advertising in media industries. Use of media in retail advertisers' promotion. [Prereq: JMC 154 and JMC 155.]

JMC 355. Advanced KRFH Workshop (2). Work on staff of campus carrier-current station. [Prereq: JMC 155. Rep.]

JMC 427. Advanced Multimedia News Workshop (2). This class will focus on advanced reporting and storytelling techniques. You will learn how to do enterprise and explanatory reporting and produce stories using text, audio, and video media. [Prereq: JMC 327. CR/NC. Rep once.]

JMC 429. Advanced Public Relations (3). PR problems of industry and public institutions; managing effective public relations campaigns. Projects, discussion, writing of various communication tools. [Prereq: JMC 120 and JMC 323, or IA.]

JMC 430. Advertising Copy Writing & Design (3). Principles of copy writing and design: style, research, and legal and ethical issues. Copy writing, design projects. [Prereq: JMC 120 or IA.]

JMC 450. Media Management (3). Personnel; audience and sales rating; programming and promotion; regulations. [Prereq: JMC 354 or IA.]

JMC 480. Special Topics (1-4).

JMC 490. Seminar in Journalism (1-4). Selected problem, topic, or area treated more intensively than in other offerings. [Prereq: IA. Service fee possible. Rep 3 times.]

JMC 499. Directed Study (1-4). Promising students pursue journalism and communications material in depth. Papers, oral reports. [Prereq: IA. Rep 3 times.]

Kinesiology

LOWER DIVISION

KINS 120. Developing Life Skills for Student-Athletes (3). Develop as a whole person: athletically, academically, personally. Goal setting; wellness and nutrition; communication; future career endeavors.

KINS 165. Foundations of Kinesiology (3). Contemporary practices; current issues. Philosophies and cultural foundations of human movement. Develop writing skills.

KINS 276. Techniques in Athletic Training (3). Care and prevention of athletic injuries: taping, emergency care, rehabilitation, injury prevention, use of therapeutic equipment. [Prereq: Human Anatomy or Human Physiology course.]

KINS 287. Rehabilitation of Athletic Injuries I (3). Theoretical basis of evaluation and prescription of rehabilitation protocols for sports related injuries. Lab includes discussion, demonstration and participation in learning contemporary rehabilitative techniques. [Prereq: KINS 276.]

UPPER DIVISION

KINS 311. Concepts of Teaching Aquatics (2). Analysis of teaching concepts and skills in aquatics; instructional approaches, planning, curriculum, and evaluation of concepts and skills for water safety instruction.

KINS 313. Concepts of Teaching Dance (2). Analysis of teaching concepts and skills in dance forms; instructional approaches, planning, curriculum, and evaluation of rhythm and movement concepts and skills (e.g., multicultural, social, classical, and contemporary dance).

KINS 315. Concepts of Teaching Dynamic Patterns of Movement (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.

KINS 317. Concepts of Teaching Fitness (2). Analysis of basic principles, theories, and practice for development and maintenance of health and physical performance; instructional approaches, planning, curriculum, and evaluation of health-related fitness concepts.

KINS 319. Concepts of Teaching Individual Activities (2). Analysis of teaching concepts and skills in individual activities, (e.g., archery, badminton, bowling, golf, pickleball, and tennis). Evaluation

of instructional approaches, planning, curriculum, and assessment strategies.

KINS 321. Concepts of Teaching Recreational Activities (2). Analysis of teaching concepts and skills in recreational games and outdoor education; instructional approaches, planning, curriculum, and evaluation of various outdoor settings, ice-breakers, mixers, initiatives, and educationally-based games.

KINS 323. Concepts of Teaching Team Activities (2). Analysis of teaching concepts and skills in team activities (e.g., basketball, flickerball, football, lacrosse, soccer, softball, volleyball, and ultimate frisbee). Instructional approaches, planning, curriculum, and assessment strategies.

KINS 325. Health-Related Exercise (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. [Rep once.]

KINS 327. Games Concepts — 1 (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. [Rep once.]

KINS 329. Games Concepts — 2 (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. [Rep once.]

KINS 339. Group Exercise Instruction (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.

KINS 378. Sport in Society (3). Physical activity as part of culture: how it affects values, attitudes, technology; how it works in sociocultural systems.

KINS 379. Exercise Physiology (4). How the body responds, adjusts, and adapts to exercise. Muscular, circulatory, respiratory, energy, and endocrine systems. [Prereq: ZOOL 113 or ZOOL 310. Weekly: 3 hrs lect, 2 hrs lab.]

KINS 380. Structural Kinesiology (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.

KINS 384. Curriculum & Instructional Strategies in Physical Education (3). Evaluate curriculum content of secondary physical education programs. Implement curricular theory by developing an instructional program. Employ effective management techniques in lab settings.

KINS 385. Adapted Physical Education (3). Principles, practices. Consider exceptional individuals found in public schools. Appropriate evaluation and programming techniques.

KINS 425. Strength & Conditioning (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. [Prereq: KINS 379 and KINS 380 (C).]

KINS 447. Pharmacology & Ergogenic Aids (3). Medication effects on the physiological response to exercise/stress testing. Effects of ergogenic aids on performance/health.

KINS 450. Exercise Testing (3). Guidelines for and practice of exercise testing, including protocol analysis, pre-test screening, test administration, and test interpretation. Use of different exercise modalities and testing equipment. [Prereq: HED 120 and KINS 379.]

KINS 455. Exercise Prescription/Leadership (3). Exercise prescription and training for low-risk individuals and those with controlled disease. Design and implementation of risk management/legal aspects exercise program to improve fitness. [Prereq: HED 120 (C), KINS 450, senior standing. Coreq: KINS 495.]

KINS 474. Psychology of Sport & Exercise (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. [DCG-d.]

KINS 475. Elementary School Physical Education (3). Analyze motor skills. Appropriate movement patterns and progressions for children and early adolescents. Meets elementary education credential requirements.

KINS 480. Special Topics (1-4). Topics of current interest. Lect/lab as appropriate. [Rep.]

KINS 482. Internship in Kinesiology (2-8). 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. [Prereq: completion of all kinesiology and exercise science option courses and IA. Rep up to 8 units.]

KINS 483. Evaluation Techniques in Kinesiology (3). Testing, measurement, and statistical procedures. Theory and lab analysis of how measuring/statistical devices are constructed, administered, evaluated.

KINS 484. Motor Development/Motor Learning (3). Principles of perceptual organization. Functions of proprioceptors and other sensory modes in developing kinaesthesia. Interrelationships necessary for cognition.

KINS 486. Theory of Coaching (2). Provides coach with general knowledge of fiscal management, contest management, public relations, marketing. Guest lecturers.

KINS 490. Practica (3). Experience a variety of physical education teaching situations. Guide learners in acquiring knowledge and skills.

KINS 492. Senior Seminar in Kinesiology (3). Selected trends. [Prereq: senior standing.]

KINS 495. Directed Field Experience (1-6). Assigned field experience under supervision of HSU staff. [Prereq: HED 120 and junior standing. Rep.]

KINS 499. Directed Study (1-6). Supervised independent study in areas not covered by scheduled courses. Open only to undergrads. [Rep.]

GRADUATE

KINS 535. Assessment Techniques (2). Psychomotor assessment for individuals with disabilities. Implement assessment programs in public schools.

KINS 577. Adapted Physical Education Programs (4). Relationship between handicapping conditions and physical activity. Value of physical activity for individuals with disabilities.

KINS 578. Adapted Aquatics for Instructors (2). Develop aquatic activities for persons with disabilities. Red Cross certification. [Prereq: water safety instructor.]

KINS 580. Special Topics (1-4). Topics of current interest. Lect/lab as appropriate. [Rep.]

KINS 585. Issues in American Sport Culture (3). An examination of issues in American sport culture using a variety of current and historical contexts including cinema, selected literature and art. Emphasis on critical seminar type discussion. Limited to senior or graduate level students.

KINS 610. Statistics for Kinesiology (3). Parametric and nonparametric univariate and multivariate statistical procedures. Analysis, interpretation, and presentation of data. [Prereq: KINS 483 or course in elementary statistics.]

KINS 615. College Teaching in Kinesiology (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.

KINS 635. Research Methods in Kinesiology (3). Introduction to research concepts, design, methods, analyses, and ethics in Kinesiology. Develop professional writing and presentation skills. [Prereq: graduate standing with classified status in kinesiology MS program.]

KINS 640. Psychology of Sport & Exercise (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.

KINS 650. Exercise Physiology (3). Advanced study of the physiological responses and adaptations to physical activity. Emphasis is on the metabolic, neuromuscular, and cardiorespiratory systems. [Prereq: KINS 379.]

KINS 655. Biomechanics (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. [Prereq: KINS 380 or equivalent.]

KINS 684. Graduate Seminar in Kinesiology (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. [Prereq: graduate standing with classification status in Kinesiology MA program or IA.]

KINS 690. Thesis Writing Seminar (1-6). Written under direction of chairperson and/or committee. [Prereq: KINS 635. Rep.]

KINS 695. Directed Field Experience (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. [Rep.]

KINS 699. Independent Study (3-6). [Prereq: graduate standing with classified status in Kinesiology MS program or IA. Rep.]

Liberal Studies/Elementary Education

UPPER DIVISION

LSEE 311. Mathematics Fieldwork Observation & Seminar (1.5). The course includes 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. [Prereq: MATH 308B (C).]

LSEE 312. Social Studies & Science Fieldwork Observation & Seminar (1.5). The course includes K-8 classroom observation of social studies and science instruction. Includes a review of the California Social Studies and Science content standards and discussion of teaching strategies used in the K-8 classroom. [Prereq: HIST 311 (C) and SCI 331 (C).]

LSEE 411. Language Arts Fieldwork & Seminar (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. [Prereq: ENGL 323 (C), ENGL 326 (C), ENGL 424 (C).]

LSEE 412. Senior Capstone (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. [Prereq: LSEE 411 (C).]

LSEE 499. Directed Study (1-3). Individual Study; staff direction. [Rep.]

Linguistics

UPPER DIVISION

LING 495. Practicum in Language Studies (3). Interdisciplinary approach. Relationship of language studies to other areas of intellectual achievement. Central topics vary. [Prereq: senior standing and approval by linguistics committee.]

Mathematics

LOWER DIVISION

Prerequisites: All mathematics courses have prereqs. Thus, to be eligible to enroll in a mathematics course, a student must have received a grade of C- or higher in the HSU courses listed as prereqs. In some lower division courses, a student may also satisfy the prereqs with an appropriate score on a mathematics placement exam.

Enrollment in remedial or general education mathematics courses is permitted only for those students who have taken or are exempt from the ELM exam. Students who have not met the specified prereqs need IA to enroll.

In courses marked with asterisks, credit earned may not count toward unit requirements for graduation, for GE, or for any major.*

MATH 40. Elementary Algebra (3) **FS**. * Transition from arithmetic to algebra; operations on real numbers and algebraic expressions; polynomials, fractional expression, square roots; solving elementary equations and word problems. [Prereq: ELM score of 41 or less. Rep once.]

MATH 42. Beginning Algebra (5) **FS**. * Arithmetic review; signed numbers; polynomial arithmetic; first and second degree equations; exponents, rational expressions, and equations; radical expressions and equations; linear systems; introduction to logarithms. [Prereq: ELM score of 36 to 41. Rep once.]

MATH 43. Skills for Quantitative Literacy (2) **FS**. * Quantitative and algebraic methods at the level of intermediate algebra that supports the development of quantitative literacy. Completes mandated remediation in the context of a general education course. Requires concurrent enrollment in MATH 103i. [Prereq: MATH 40 or MATH 42 or ELM score of 42 or higher.]

MATH 44. Intermediate Algebra (3) **FS**. * Fundamental operations, laws, terminology, and notation of algebra; concepts of expression, set, variable, function, graph, equality, equations, and identity; drill with fractions, exponents, and radicals; linear and quadratic equations; systems of equations; introduction to logarithms. [Prereq: MATH 40 or MATH 42 or ELM score of 42 or higher. Rep once.]

MATH 55. Preparation for Math Success (1) **Su**. * Part of the CSU's Early Start Program. Utilizes web-based learning and assessment tools, and personalized instructional support. Intended for incoming freshmen who need additional preparation for college-level mathematics. [CR/NC.]

MATH 99. Supplementary Instruction in Mathematics (2) **FS**. * For students needing help in mathematics courses. Enroll concurrently in supported class. [CR/NC.]

MATH 103. Contemporary Mathematics (3) **FS**. Nonmathematicians see some of the character of mathematics. Topics vary. [Prereq: math remediation completed or not required. GE.]

MATH 103I. Mathematics as a Liberal Art (3). Ways mathematics uses quantitative, geometri-

cal, algebraic, and statistical thinking in problem solving. Requires concurrent enrollment in math 43. Meets GE area B only with successful completion of MATH 43. Not recommended as preparation for MATH 115. [Prereq: MATH 40 or MATH 42 or ELM score of 42 or higher. Coreq: MATH 43. GE.]

MATH 104. Finite Mathematics (3). Topics from logic, combinatorics, probability theory, and matrix algebra applied to problems from social and biological sciences. [Prereq: math remediation completed or not required. GE.]

MATH 105. Calculus for the Biological Sciences & Natural Resources (3) **FS**. Differential and integral calculus. Apply to biological sciences, including exponential growth and decay. [Prereq: MATH 114 or MATH 115. GE.]

MATH 106. Calculus for Business & Economics (4). Logarithmic and exponential functions. Derivatives, integrals; velocity, curve sketching, area; marginal cost, revenue, and profit, consumer savings; present value. [Prereq: math remediation completed or not required. GE.]

MATH 108. Critical Thinking in Mathematics (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. [Prereq: math remediation completed or not required. GE.]

MATH 109. Calculus I (4) **FS**. Limits, continuity, derivatives, integrals, and their applications. [Prereq: MATH 114 or MATH 115 or MATH 106. GE.]

MATH 110. Calculus II (4) **FS**. Logarithmic and exponential functions, inverse trigonometric functions, techniques of integration, infinite sequences and series, conic sections, polar coordinates. [Prereq: MATH 109 or completed Calculus I.]

MATH 113. College Algebra (3). First-degree and absolute value equations and inequalities; composite and inverse functions; polynomial, rational, exponential, algebraic and logarithmic functions; their properties and transformations; permutations and factorials; binomial theorem; complex numbers. [Prereq: MATH 42 or MATH 44 or equivalent. Rec: take three or more years of high school mathematics including Algebra II.]

MATH 114. Trigonometry (3). Trigonometric functions, their graphs and inverses, radian measure, solving triangles, trigonometric identities and equations, laws of sines and cosines, polar coordinates, complex numbers in trigonometric form, De Moivre's theorem, vectors. [Prereq: MATH 113 or equivalent.]

MATH 115. Algebra & Elementary Functions (4) **FS**. In-depth treatment of exponential, logarithmic, trigonometric, and polynomial functions. [Prereq: MATH 42 or MATH 44 or equivalent. Rec: take three or more years of high school mathematics including Algebra II.]

MATH 205. Multivariate Calculus for the Biological Sciences & Natural Resources (3) **S**. Differential equations, partial derivatives, double integrals, and curve fitting techniques; vectors;

applications. [Prereq: MATH 105 or completed Calculus I, or IA.]

MATH 210. Calculus III (4) **FS.** Vectors; parametric equations; 3-dimensional analytic geometry; vector-valued functions; partial derivatives; multiple integrals; introduction to line integrals. [Prereq: MATH 110.]

MATH 240. Introduction to Mathematical Thought (3). Mathematical reasoning, writing, and proofs; sets, functions, topics in discrete mathematics, problem formulation, problem solving. [Prereq: MATH 110.]

MATH 241. Elements of Linear Algebra (3) **FS.** Linear systems, matrices, determinants, linear independence, bases, eigenvalues, and eigenvectors. [Prereq: MATH 205 or MATH 210 (C)]

MATH 253. Discrete Mathematics (3). Sets, functions, relations, algorithms, induction, recursion, combinatorics, graphs, trees, and propositional logic. [Prereq: MATH 114 (C), or MATH 115 and CS 111.]

MATH 280. Selected Topics in Mathematics (.5-3). [Prereq: IA. Rep.]

UPPER DIVISION

MATH 301. Mathematics & Culture: Historical Perspective (3) **S.** 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. [Prereq: MATH 114 or MATH 115. DCG-n. GE.]

MATH 308B - MATH 308C. Mathematics for Elementary Education (3-3) **FS.** 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. [Prereq: completed lower division GE math or higher, and MATH 308B (for 308C). Prior IA required for majors other than LSCD, LSEE, or CDEE. GE.]

MATH 311. Vector Calculus (2) **F.** Vector fields; line and surface integrals; Green's theorem, divergence theorem, Stokes' theorem; applications. [Prereq: MATH 210 and MATH 241.]

MATH 313. Ordinary Differential Equations (4) **FS.** Systems and series solution methods; applications. Numerical and analytical techniques. [Prereq: MATH 210 and MATH 241.]

MATH 314. Partial Differential Equations (3) **S.** Fourier series; partial differential equations, boundary-value problems, applications. [Prereq: MATH 313. Rec: MATH 311.]

MATH 315. Advanced Calculus (4) **F.** Theory and applications of differential and integral calculus for vectors and several variables. Taylor's theorem

and implicit function theorem. Transformations and mappings; line and surface integrals; integral theorems. [Prereq: MATH 210 and MATH 241.]

MATH 316. Real Analysis I (4) **S.** Real numbers, sequences, convergence, supremum and infimum, continuity, uniform continuity, integration, differentiation, Taylor's Theorem. [Prereq: MATH 210 and MATH 240. Strongly rec: MATH 343.]

MATH 340. Number Theory (3) **F.** Divisibility, congruencies, quadratic reciprocity, arithmetic functions, Diophantine equations, introduction to algebraic number theory, computer applications. [Prereq: MATH 240, MATH 241, CS 111.]

MATH 343. Introduction to Algebraic Structures (4) **S.** Elementary number theory, integral domains, groups, rings, modules, fields, linear algebras. [Prereq: MATH 240 and MATH 241.]

MATH 344. Linear Algebra (3) **F.** Matrices, vector spaces, linear transformations, canonical forms, characteristic values, applications. [Prereq: MATH 240 and MATH 241.]

MATH 351. Introduction to Numerical Analysis (4) **F.** Error analysis, computer arithmetic; solving equations in one variable; interpolation and polynomial approximation; numerical differentiation and integration; ordinary differential equations; solutions of linear systems. [Prereq: MATH 205 or MATH 210, MATH 241, CS 111. Weekly: 3 hrs lect, 2 hrs lab.]

MATH 361. Introduction to Mathematical Modeling (4) **S.** Modeling techniques. Examples from biological, environmental, and physical sciences: continuous, discrete, stochastic, and computer simulation models. [Prereq: year of calculus and course in computer programming. Rec: course in linear algebra. Weekly: 3 hrs lect, 2 hrs lab.]

MATH 370. School Mathematics from Advanced Viewpoint I (3) **F.** In-depth study of real and complex numbers, functions, equations, polynomials, and trigonometry. Material is rooted in the mathematical content and problems of high school mathematics, but concepts are treated from a mathematically-advanced standpoint. [Prereq: MATH 110 and MATH 240.]

MATH 371. Geometry (3) **S.** Classical and modern problems and concepts. Topics from: plane and solid geometry; Euclidean geometry; deductive approaches, non-Euclidean and alternative characterizations of geometry using synthetic, analytic, and transformational approaches. [Prereq: high school geometry or equivalent, and MATH 240; or IA.]

MATH 381. Tutorial on Mathematical Proofs (1). Develop ability to present clear mathematical exposition and argument. [Prereq: concurrent enrollment in an upper division theoretical mathematics course.]

MATH 401. History of Mathematics I (3) **F.** Key mathematical ideas/milestones: from antiquity to evolution of calculus. Research techniques introduced. [Prereq: MATH 205 or MATH 210, and high school geometry or equivalent; or IA. Offered alternate years.]

MATH 413. Advanced Ordinary Differential Equations (3) **S.** Existence and uniqueness of solutions; linear systems and vector-matrix dif-

ferential equations; oscillation and comparison theorems; nonlinear differential equations and stability. [Prereq: MATH 313 or equivalent. Offered alternate years.]

MATH 416. Real Analysis II (3) **F.** Sequences and series of functions, uniform convergence, power series, metric spaces. [Prereq: MATH 316. Strongly rec: MATH 343. Offered alternate years.]

MATH 418. Introduction to Complex Analysis (3) **S.** Analytic and meromorphic functions, power series, singularities, and residues. [Prereq: MATH 210 and MATH 240. Offered alternate years.]

MATH 443. Advanced Algebraic Structures (3) **F.** Advanced topics in groups, rings, and fields; polynomials and Galois theory; applications. [Prereq: MATH 343. Offered alternate years.]

MATH 470. School Mathematics from an Advanced Viewpoint II (3) **S.** Connect undergraduate mathematics to the math curriculum of grades 7-14. Integrated projects: algebra, geometry, probability and statistics, discrete math, number theory, history of mathematics, applications of mathematics, and classical problems. Specific mix of topics depends on student background. [Prereq: senior mathematics major and IA.]

MATH 474. Graph Theory (3) **F.** Finite graphs, trees, digraphs, Eulerian and Hamiltonian graphs, mappings, graphs as models, coloring problems, and application of graph theory. [Prereq: MATH 240 or IA. Offered alternate years.]

MATH 480. Selected Topics in Mathematics (1-4). [Prereq: IA. Rep.]

MATH 481. Workshop in Tutoring Mathematics (1). Teaching techniques applicable to a tutorial setting. Primarily for students concurrently tutoring math. [CR/NC. May count for credit only toward a major in mathematics (education). Prereq: IA. Rep twice.]

MATH 485. Seminar in Mathematics (1-2). Current literature, research, problem solving. [Prereq: IA. Rep, but no more than two units may apply to the major.]

MATH 499. Directed Study (.5-3). Directed reading and conferences on special topics. [Rep by topic; multiple enrollments in term.]

GRADUATE

MATH 521. Applied Stochastic Processes (3) **S.** Markov processes, Kolmogorov forward and backward equations, queuing theory, birth and death processes, diffusion processes, renewal theory; Brownian motion. [Prereq: MATH 313 or MATH 344 or STAT 323.]

MATH 561. Dynamic Systems (4) **F.** Linear and nonlinear systems of difference equations and differential equations as applied to mathematical models of real dynamic phenomena; bifurcation theory. [Prereq: MATH 313 and MATH 344.]

MATH 562. Model Fitting (4). Contemporary approaches to fitting descriptive and mechanistic models to data. Topics include likelihoods, parameter estimation, information-theoretic criteria, time series, and numerical methods. [Prereq: MATH 313 and STAT 323, or IA.]

MATH 580. Selected Topics in Mathematics (1-4). [Prereq: IA. Rep.]

MATH 595. Mathematical Modeling Practicum (3) **F.** Practical experience constructing and analyzing mathematical models. [Coreq: MATH 561 or IA. Rep.]

MATH 685. Seminar in Mathematics (1-2). Review and report on current literature and problems. [Rep.]

MATH 690. Thesis/Project (1-4). Guided investigation of a problem of mathematical significance, culminating in a formal report in compliance with HSU standards. [Prereq: IA. Rep.]

MATH 695. Directed Research (1-2). Individual research on advanced problems. [Prereq: grad standing. [Rep.]

MATH 699. Independent Study (.5-3). Directed reading and conferences on special topics. [Rep.]

CREDENTIAL/LICENSURE

MATH 700. In-Service Professional Development in Mathematics (.5-3). Directed studies for professionals in mathematics desiring advanced or specialized instruction, especially that leading to credentialing and certification. [Prereq: IA. Rep.]

MATH 701. In-Service Professional Development in Mathematics Education (.5-5). Directed studies for professionals in mathematics desiring advanced or specialized instruction in curricular or pedagogical areas of K-16 mathematics. [Prereq: IA. Rep.]

MATH 707. Elementary Mathematics from an Advanced Viewpoint (1-3). Topics of interest to high school teachers: algebra, geometry, probability and statistics, number theory, history of mathematics, applications of mathematics, classical problems. Topics depend on student backgrounds. [Prereq: IA. Rep.]

Music

Contents of this section:

Instrument Studies (class & studio instruction)

Musical Ensembles

Lower Division (lecture courses)

Upper Division (lecture courses)

INSTRUMENT STUDIES

MUS 108 - MUS 109. Class Applied Instruction (1). Class instruction on various instruments. MUS 108 courses are open to all; no previous experience required. MUS 109 courses continue comparable 108 sections and require instructor approval. Course suffixes vary with the instrument:

- B** Brass
- C** Afro-Cuban Percussion
- F** Woodwinds
- G** Acoustic Guitar
- K** Piano
- P** Percussion
- T** Strings
- V** Voice

Each course may be repeated once. Guitar students must provide their own instruments. [GE.]

MUS 112. Piano I (1). Beginning class piano studies for music majors. [Prereq: MUS 110 or MUS 108K.]

MUS 113. Piano II (1). The second semester of class piano studies for music majors. [Prereq: MUS 112.]

MUS 130. Piano III (1). Class instruction for non-piano emphasis music majors and minors. [Prereq: MUS 112 and MUS 113, or IA. Coreq: MUS 215. Rep once.]

MUS 220 - MUS 237. Studio Instruction, Intermediate (1-3). Individual instruction. Guitar students must provide own instrument. [Prereq: IA. Coreq: see below. Rep.]

220 Studio Piano, Intermediate
[Coreq: MUS 106 or MUS 107 or MUS 150 or MUS 353 or MUS 406 or MUS 407 or MUS 450.]

221 Studio Voice, Intermediate
[Coreq: MUS 106 or MUS 107 or MUS 406 or MUS 407.]

222 Studio Flute, Intermediate

223 Studio Oboe, Intermediate

224 Studio Clarinet, Intermediate

225 Studio Bassoon, Intermediate

226 Studio Saxophone, Intermediate

227 Studio Trumpet, Intermediate

228 Studio Horn, Intermediate

229 Studio Trombone, Intermediate

230 Studio Euphonium, Intermediate

231 Studio Tuba, Intermediate

232 Studio Percussion, Intermediate

233 Studio Violin, Intermediate

234 Studio Viola, Intermediate

235 Studio Cello, Intermediate

236 Studio String Bass, Intermediate

237 Studio Guitar, Intermediate

[Coreq for MUS 222-237: MUS 106 or MUS 107 or MUS 150 or MUS 406 or MUS 407 or MUS 450.]

MUS 420 - MUS 438. Studio Instruction, Advanced (1-3). Individual instruction continuing comparable MUS 220-237 courses. Guitar students must provide own instrument. [Prereq: IA. Coreq: see below. Rep.]

420 Studio Piano, Advanced
[Coreq: MUS 106 or MUS 107 or MUS 150 or MUS 353 or MUS 406 or MUS 407 or MUS 450.]

421 Studio Voice, Advanced
[Coreq: MUS 106 or MUS 107 or MUS 406 or MUS 407.]

422 Studio Flute, Advanced

423 Studio Oboe, Advanced

424 Studio Clarinet, Advanced

425 Studio Bassoon, Advanced

426 Studio Saxophone, Advanced

427 Studio Trumpet, Advanced

428 Studio Horn, Advanced

429 Studio Trombone, Advanced

430 Studio Euphonium, Advanced

431 Studio Tuba, Advanced

432 Studio Percussion, Advanced

433 Studio Violin, Advanced

434 Studio Viola, Advanced

435 Studio Cello, Advanced

436 Studio String Bass, Advanced

437 Studio Guitar, Advanced

[Coreq for MUS 422-437: MUS 106 or MUS 107 or MUS 150 or MUS 406 or MUS 407 or MUS 450.]

438 Studio Composition, Advanced

MUSICAL ENSEMBLES

MUS 106B / MUS 406B. University Singers (1). Study/perform choral literature of many styles and periods. Occasional off-campus concerts. [Prereq: IA based on auditions. CR/NC. Rep. GE 106B only.]

MUS 106E / MUS 406E. Opera Workshop (1-3). Traditional and contemporary musical theatre repertoire: operetta, grand operas, chamber operas, and Broadway musicals. Prepare individual roles, ensembles, and scenes, culminating in public performance. [Prereq: IA based on auditions. Rep. GE 106E only.]

MUS 106F / MUS 406F. Mad River Transit Singers (1-2). Study/perform jazz-idiom choral music. Stylistic interpretation; available literature. Occasional off-campus concerts. [Prereq: IA based on auditions. Rep. GE 106F only.]

MUS 106H / MUS 406H. Symphonic Band (1). Study/perform symphonic band and wind ensemble literature. Occasional off-campus concerts. [Prereq: IA based on auditions. CR/NC. Rep. GE 106H only.]

MUS 106J / MUS 406J. AM Jazz Big Band (1). Performance ensemble for novice jazz instrumentalists. Perform jazz literature; study jazz techniques. [Rep. GE 106J only.]

MUS 106K / MUS 406K. Jazz Orchestra (1-2). Perform literature composed or arranged for large jazz ensemble. Stylistic interpretation; ensemble playing; study of literature. Occasional off-campus concerts. [Prereq: IA based on auditions. Rep. GE 106K only.]

MUS 106N / MUS 406N. Humboldt Chorale (1). Study/perform choral music of all periods. Emphasis on larger works. No formal audition. [Prereq: IA based on interview. Rep. GE 106N only.]

MUS 107B / MUS 407B. Brass Chamber Music (1-2). Study/perform brass chamber music of all eras. [Prereq: IA. Rep. GE 107B only.]

MUS 107C / MUS 407C. Calypso Band (1-2). Study/perform traditional and contemporary music for steelband. [Prereq: IA. Rep. GE 107C only.]

MUS 107G / MUS 407G. Guitar Chamber Music (1-2). Study/perform guitar chamber music of all eras. [Prereq: IA. Rep. GE 107G only.]

MUS 107F / MUS 407F. Woodwind Chamber Music (1-2). Study/perform woodwind chamber music of all eras. [Prereq: IA. Rep. GE 107F only.]

MUS 107I / MUS 407I. Intermediate Orchestra (1-2). Study/perform orchestral music for less experienced players. [GE 107I only.]

MUS 107J / MUS 407J. Jazz Combos (1-2). Study/perform jazz combo music from all eras. [Prereq: IA. Rep. GE 107J only.]

MUS 107P / MUS 407P. Percussion Ensemble (1-2). Study/perform traditional and contemporary music for percussion ensemble. [Prereq: IA. Rep. GE 107P only.]

MUS 107S / MUS 407S. Chamber Music – Service Learning (1). Study/perform chamber music from all eras. Perform for community partners, and assess and reflect on the experience. [Prereq: IA. Rec: fall semester enrollment in a Chamber Music course. Rep. GE 107S only.]

MUS 107T / MUS 407T. String Chamber Music (1-2). Study/perform string chamber music from all eras [Prereq: IA. Rep. GE 107T only.]

MUS 107V / MUS 407V. Madrigal Singers (1-2). Study/perform small ensemble vocal music with emphasis on music of the Renaissance. [Prereq: IA based on auditions. Rep. GE 107V only.]

MUS 150 / MUS 450. Humboldt Symphony (1). Study/perform orchestral literature. Occasional off-campus concerts. [Prereq: IA based on auditions. CR/NC. Rep.]

LOWER DIVISION (lecture courses)

MUS 102. Jazz and America (3). Investigates the basic musical elements of jazz, selected important jazz artists, and development of jazz styles in the context of related social changes in American in the 20th century. [GE.]

MUS 103. Listening to the Movies (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. [GE.]

MUS 104. Introduction to Music (3). Non-music majors learn styles, techniques, and forms of various musical periods. Lectures, recordings, concerts. Acquire greater understanding and enjoyment of music. [GE.]

MUS 105. The American Musical (3). Historical survey of musical theatre in US, emphasizing Broadway productions. Song and dialog presented through recordings and videos. [GE.]

MUS 110. Fundamentals of Music (3). For music majors needing additional preparation before entering MUS 214, for minors, and for general student wishing to improve knowledge/skills in beginning theory, keyboard, and aural comprehension. [Prereq: IA. Rep.]

MUS 180. Special Topics Seminar (1-3). Topics relevant to performance practices, periods, or genre of music history and literature. [Rep.]

MUS 214. Theory I (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. [Prereq: MUS 110 or passing score on placement test.]

MUS 215. Theory II (3). Continues MUS 214: pre-dominant 7th chords, sequences, secondary chords, modulation, binary and ternary forms. [Prereq: MUS 214 or IA.]

MUS 216. Ear Training I (1). Comprehensive ear training correlated to MUS 214; develop music reading and perception skills through studies in rhythm, sight singing, dictation, keyboard, and notation. [Coreq: MUS 214 or IA.]

MUS 217. Ear Training II (1). Continues MUS 216. [Prereq: MUS 214 and MUS 216. Coreq: MUS 215 or IA.]

MUS 280. Special Topics (1-3). Special topics such as career preparation, technology, performance practices, music history, or music theory. [Rep; multiple enrollments in term.]

UPPER DIVISION (lecture courses)

MUS 301. Rock: An American Music (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. [GE.]

MUS 302. Music in World Culture (3). Explores the musical traditions of African, Indian, Asian, Indonesian, Latin American, and Caribbean cultures compared in artistic, social, religious, and political contexts. [DCG-n. GE.]

MUS 305. Jazz: An American Art Form (3). Uniquely American art form of jazz. African-American jazz innovators. Perspectives of history, society, performance, gender, and current trends. Lecture, listening, discussion. [GE.]

MUS 314. Theory III (3). Neapolitan, augmented 6th, and mixed chords; enharmonic modulation; fugue, rondo, variation techniques; sonata form. [Prereq: MUS 215 or IA.]

MUS 315. Theory IV (3). 20th century techniques: tone rows, set theory, quartal harmony, polytonality, pandiatonicism, chance operations, modal writing, polymeters, and asymmetric meters. [Prereq: MUS 314 or IA.]

MUS 316. Ear Training III (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. [Prereq: MUS 215 and MUS 217, or IA. Coreq: MUS 314.]

MUS 317. Ear Training IV (1). Continues MUS 316. [Prereq: MUS 314 (C) and MUS 316 (C), or IA. Coreq: MUS 315.]

MUS 318. Jazz Improvisation (2). Train in contemporary art of jazz improvisation through use of scales, chords, and idiomatic musical devices. [Prereq: MUS 214 or IA. Rep once.]

MUS 319. Elementary Music Methods (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. [Prereq: MUS 314, admission to music credential track, IA.]

MUS 320. Composition: Film Scoring (3). Study and compose music for scenes of dramatic and narrative films. [Rep.]

MUS 320B. Composition: Jazz & Pop Arranging (3). Arranging techniques. Emphasis on big band. [Prereq: MUS 215. Rep.]

MUS 322. Music in the K-8 Classroom (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.

MUS 324. Contemporary Composition Techniques (2). General survey of contemporary composition. Individual projects; concert presentation. [Prereq: IA. Coreq: MUS 215. Rep once.]

MUS 326. Counterpoint (2). Overview of Renaissance, common practice, and modern counterpoint. Emphasis: baroque techniques. [Prereq: MUS 315 or IA.]

MUS 330. Piano IV (1). Piano accompaniments developed from chord symbols, notated melodies, or choral and instrumental music. Chord voicing, chord analysis, stylistic appropriateness. [Prereq: MUS 130 and IA. Coreq: MUS 314. Rep.]

MUS 334. Fundamentals of Conducting (2). Beat patterns, expressive gestures, score reading, musical ranges, rehearsal planning, correction of errors. [Prereq: MUS 314 or IA.]

MUS 338. Vocal & Instrumental Scoring (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. [Prereq: MUS 215 (C).]

MUS 340. Junior Recital (0). Junior Recital for Piano Performance Option majors. To be taken during the semester that the recital is performed. Requires permission of the Studio Instructor. [Coreq: MUS 420. CR/NC.]

MUS 348. Music History: Antiquity to 1750 (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. [Prereq: MUS 104 and MUS 314 (C).]

MUS 349. Music History: 1750 to Present (3). Analyze musical style in selected examples of classical, romantic, and 20th century music. Written research projects. [Prereq: MUS 315 (C) and MUS 348.]

MUS 353. Accompanying (1). Keyboard accompanying for instrumental or vocal solos or groups. [Prereq: MUS 220 (C). Rep.]

MUS 356. Lyric Diction (2). Techniques and problems of singers' pronunciation in all major languages. [Prereq: MUS 215 or IA.]

MUS 360. Music Technology (2). Computer technology and music applications. Keyboard controllers and music printing programs. [Prereq: IA.]

MUS 361. Music Technology: Recording & Playback (2). Digital and analog recording techniques combined with digital sequencing, CD-ROM burning, use of digital synthesizers, and soft synthesizer design.

MUS 370F. Woodwind Techniques I (.5). Instruction in woodwind instrumental techniques and pedagogy. [Rep once.]

MUS 370T. String Techniques I (.5). Instruction in string instrumental techniques and pedagogy. [Rep once.]

MUS 371F. Woodwind Techniques II (.5). Instruction in woodwind instrumental techniques and pedagogy. [Prereq: MUS 370F. Rep once.]

MUS 371T. String Techniques II (.5). Instruction in string instrumental techniques and pedagogy. [Prereq: MUS 370T. Rep once.]

MUS 372B. Brass Techniques I (.5). Instruction in brass instrumental techniques and pedagogy. [Rep once.]

MUS 372P. Percussion Techniques I (.5). Instruction in percussion instrumental techniques and pedagogy. [Rep once.]

MUS 373B. Brass Techniques II (.5). Instruction in brass instrumental techniques and pedagogy. [Prereq: MUS 372B. Rep once.]

MUS 373P. Percussion Techniques II (.5). Instruction in percussion instrumental techniques and pedagogy. [Prereq: MUS 372P. Rep once.]

MUS 377. Reed Making (1). Making and adjusting single and double reeds. For intermediate and advanced woodwind students or prospective teachers of woodwind instruments. [Prereq: IA. CR/NC. Rep.]

MUS 384. Advanced Choral Conducting & Literature (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. [Prereq: MUS 334 and IA.]

MUS 385 P / V. Performance Seminar (1). Perform, listen to, and critique literature and performances. [Prereq: IA. Rep.]

MUS 386. Teaching of Applied Music (1). Methods/materials in teaching class and private piano, voice, or instruments. [Rep.]

MUS 386L. Teaching of Applied Music Lab (1). Lab practice teaching class and private piano, voice, or instruments.

MUS 387. Advanced Instrumental Conducting & Literature (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. [Prereq: MUS 334 and IA.]

MUS 438. Studio Composition, Advanced (1-3). Individual instruction. Techniques for composition, notation, score preparation, instrumentation. [Prereq: IA. Rep.]

MUS 440. Senior Recital (0). Senior Recital for Performance Option majors. To be taken during the semester that the recital is performed. Requires permission of the Studio Instructor. [Coreq: one of MUS 420 - MUS 438. CR/NC.]

MUS 453. Career Skills for Musicians (2). Learn skills to seek and develop professional opportunities. Explore entrepreneurial facets of various musical careers, including promotional and financial planning.

MUS 455. Secondary Music Methods (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. [Prereq: MUS 319 and IA.]

MUS 480. Special Topics (1-3). Special topics such as career preparation, technology, performance practices, music history, or music theory. [Rep; multiple enrollments in term.]


MUS 485. Undergraduate Seminar (1-3). Performance practices, periods, or genre of music history and literature not treated in depth in other offerings. [Prereq: IA. Rep.]

MUS 499. Directed Study (1-3). Methods of research; projects in music and music teaching. [Prereq: IA. Rep.]

Native American Studies

LOWER DIVISION


NAS 104. Introduction to Native American Studies (3). Origins and development of content/method in NAS. Contrast the field with adjoining and contributing disciplines (anthropology, history, sociology, and humanities). [DCG-d. GE.]

 **NAS 200. Indigenous Peoples in US History** (3). How US 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. [DCG-d.]

UPPER DIVISION

NAS 301. Native American Literature (3). Contemporary. Topics vary from a broad introduction to focus on one of the following genres: poetry, prose, fiction, nonfiction, and native autobiography. [DCG-d. GE. Rep with different topics.]


NAS 302. Oral Literature & Oral Tradition (3). Identify, interpret, and decipher native symbols depicted in tribal myths, legends, songs, art, oratory, poetry, prose. [DCG-d. GE. Rep with different topics.]


 **NAS 306. Indigenous Peoples of the Americas** (3). Traditional cultures, historical development, and contemporary social and political situations. [DCG-d. GE.]

NAS 320. Native American Psychology (3). Compare and critique selected philosophical constructs manifested within European and Native American values and experiences.

NAS 325. Native Tribes of California (3). Traditional cultures of native peoples: archeology, material culture, social organization, historical interrelationships.

NAS 327. Native Tribes of North American Regions (3). Historic and current perspectives on the indigenous people of North America. Overview of tribal life, including NA/White relations. Tribal lifestyle issues. Elements of Native American arts, literature, and music. Topics vary. [DCG-d.]

 **NAS 331. Introduction to Native American Perspectives on Natural Resources Management** (3) **F**. Cultural heritage as it pertains to land use. Native American economic, social, and religious relationships with natural resources.


 **NAS 332. Environmental Justice** (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). [DCG-d.]

NAS 336. Nature & Issues of Genocide (3). Causes and consequences of exterminating racial, political, and cultural groups. Historical and contemporary context for social, theological, economic, and pathological factors influencing genocide.

NAS 340. Language & Communication in Native American Communities (3). Native American languages in social, cultural, and historical contexts. Precontact languages; traditional modes of language use; efforts to preserve or revive languages.


NAS 345. Native Languages of North America (3). Survey principal languages of northwestern California (Hupa, Karuk, Tolowa, Yurok). No special background required; college-level work in non-English language helpful.

NAS 361. Tribal Sovereignty, Tribal Citizens (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.

 **NAS 362. Tribal Governance & Leadership** (3) **F**. Organization and structure. Political, economic, and social constraints.

NAS 364. Federal Indian Law I (4) **F**. 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.

NAS 365. Federal Indian Law II (4). Continues NAS 364. Tribal jurisdiction in Indian country. Tribal/state conflicts over jurisdiction. Special topics. [Prereq: NAS 364 recommended.]

 **NAS 366. Tribal Water Rights** (3) **S**. Federal/state water laws and Indian treaties; water problems on Western reservations as classic examples.

NAS 374. Native American Health (3). Promoting health in Native American communities: relations among social milieu, patterns of behavior, health care delivery systems.

NAS 392. Indigenous Identities in Film (3). Examines historical/contemporary constructions of Indigenous identities in film. Explores world views and representations of Indigenous peoples/communities through film and their effects on the dominant society's perception of Indigenous peoples. [DCG-d.]

NAS 394. Experiential Learning (1-3). Workshops and projects focusing on traditional and contemporary NA activities. [Rep.]

NAS 468. Tribal Justice Systems (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. [DCG-d.]

NAS 480. Selected Topics in Native American Studies (1-4). Special topic, problem area, or field research. [Rep with different topics.]

NAS 491. Mentoring (1-3). Advanced majors gain experience as teaching assistants working with a diverse body of students. [Prereq: IA.]

NAS 492. Native American Studies Capstone Experience (3). Capstone experience for NAS majors. Students to apply knowledge of NAS to practical problems. Course will entail either group or individual projects. [Prereq: NAS 104, NAS 200, NAS 364, Native American Studies major with junior standing or greater.]

NAS 499. Directed Research (1-3). Take only one NAS 499 class per semester and four NAS 499 classes per academic career at HSU. Both provisions subject to petition. Advanced students only. [Prereq: IA.]

GRADUATE

NAS 680. Graduate Seminar (1-3). [Prereq: grad standing. Rep.]

NAS 690. Thesis (1-3). [Prereq: advanced to candidacy. Rep.]

NAS 699. Independent Study (1-3). [Prereq: IA. Rep.]

Natural Resources

UPPER DIVISION

NR 480. Selected Topics (1-3). [Rep with different topics.]

NR 499. Directed Study (1-3) **FS**. Independent research. [Rep.]

Natural Resources Planning & Interpretation

See *Environmental Management & Protection*.

Oceanography


LOWER DIVISION


OCN 109. General Oceanography (4) **FS**. 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. [Weekly: 3 hrs lect, 3 hrs lab. GE.]

OCN 199. Ocean Skills Laboratory (1). Laboratory course for students who have taken an approved lecture course equivalent to OCN 109 at another institution but which lacked a lab. [Prereq: IA. Weekly: 3 hrs lab.]

OCN 260. Sampling Techniques & Field Studies (1) Introductory course for majors. Biological, chemical, geological, and physical oceanographic methods of sampling and analysis. Shipboard procedures and navigation. [Prereq: OCN 109.]

UPPER DIVISION

 **OCN 301. Marine Ecosystems – Human Impact** (3) **S**. 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. [Prereq: OCN 109 or IA. Weekly: 2 hrs lect, 1 hr disc. GE.]

 **OCN 304. Resources of the Sea** (3) **F**. Nonliving 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. [Prereq: OCN 109 or IA. Weekly: 2 hrs lect, 1 hr disc. GE.]

OCN 310. Biological Oceanography (4) **F**. Physical, chemical, and biological factors characterizing the marine environment, including factors controlling plant and animal populations. Methods of sampling identification and analysis. [Prereq: OCN 109 and BIOL 105, or IA. Weekly: 2 hrs lect, 6 hrs lab.]


OCN 320. Physical Oceanography (4) **S**. Physical properties and processes in seas: theory of distribution of variables; current determination; waves and tides. [Prereq: OCN 109, MATH 110 or MATH 205, PHYX 110 (C) or PHYX 107 (C). Weekly: 3 hrs lect, 3 hrs lab.]

OCN 330. Chemical Oceanography (4). Composition of seawater. Distribution and cycling of important major and minor chemical species throughout the oceans. Marine analytical chemistry. [Prereq: OCN 109 and CHEM 110, or IA. Weekly: 2 hrs lect, 6 hrs lab.]

OCN 340. Geological Oceanography (4). Classification/origin of major topographic features on ocean floor. First order plate tectonic theory. Recent marine sediments and sedimentary processes. [Prereq: OCN 109, GEOL 109, MATH 114 or MATH 115, or IA. Weekly: 3 hrs lect, 3 hrs lab.]

OCN 370. Library Research & Report Writing Seminar (2) **S**. Access oceanographic literature and write reports. [Weekly: 1 hr lect, 3 hrs lab.]

OCN 410. Zooplankton Ecology (3) **F**. Identification, distribution, abundance, adaptations, and life histories of animals in the plankton. Techniques in field/lab studies. [Prereq: OCN 109, and OCN 310 or ZOOL 314; or IA. Weekly: 1 hr lect, 6 hrs lab.]

 **OCN 420. Oceans & Climate** (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. [Prereq: CHEM 107 or CHEM 109, MATH 105 or MATH 109, OCN 109, PHYX 107 or PHYX 109.]

OCN 485. Undergraduate Seminar (1) **F**. Study literature to prepare oral scientific reports. [Prereq: senior standing and at least one of the following: OCN 310, OCN 320, OCN 330, OCN 340, or IA.]

OCN 495. Field Cruise I (3) **S**. Develop a research proposal. Conduct research on extended cruise. Use oceanographic techniques and theory onboard ship. [Prereq: oceanography major with junior standing or greater. Rep twice.]

OCN 496. Field Cruise II (2) **F**. Process oceanographic samples and analyze research data. Prepare a final cruise report. [Prereq: OCN 495.]

OCN 499. Directed Study (1-2) **FS**. Original research on assigned topic. Lab work, field work, or literature surveys. [Prereq: senior oceanography major and IA. Rep.]

Philosophy

Philosophy majors and minors must earn a minimum grade of "C" in all courses taken to fulfill the major/minor requirements.

LOWER DIVISION

PHIL 100. Logic (3). Study of correct reasoning. Sentential logic, informal fallacies, and certain paradigms of inductive reasoning. Nature of language, artificial and natural. [GE.]

PHIL 104. Asian Philosophy (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. [DCG-n. GE.]

PHIL 106. Moral Controversies (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. [GE.]

PHIL 107. Introduction to Philosophy (3). Questions such as: What is knowledge? Is morality objective? Does God exist? What is beauty? Is there free will? [GE.]

PHIL 180. Special Topics in Philosophy (1). New courses. Guided study. [Rep; multiple enrollments in term.]

UPPER DIVISION

PHIL 301. Reflections on the Arts (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. [GE.]

PHIL 302 / WLDF 302. Environmental Ethics (3). Critique approaches to relationship between human beings and the environment. [GE.]

PHIL 303. Theories of Ethics (3). Ethical theories of Western philosophical tradition: Plato, Aristotle, Hume, Kant, Mill. Contemporary metaethical concerns of definition and justification. [GE.]

PHIL 304. Philosophy of Sex & Love (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. [GE.]

PHIL 306. Race, Racism & Philosophy (3). A philosophical study of the conceptual, metaphysical, moral, and social political issues surrounding race and racism. [DCG-d. GE.]

PHIL 309B. Perspectives: Humanities/Science/Social Science (3). Critique perspectives, modes of inquiry, and products of the humanities, biological and physical sciences, social and behavioral sciences, and their relationships. [GE. CWT.]

PHIL 341. Presocratics, Plato, Aristotle (3). Critique emergence of Western philosophical inquiry. Interrelatedness of nature and human nature. Origins of world views from pre-Socratics through Plato and Aristotle.

PHIL 342. Descartes, Locke, Hume (3). Traces the development of the methodologies, epistemologies, and metaphysics of the most influential thinkers of the Rationalist and Empiricist traditions during the Renaissance and Enlightenment. [Rep once.]

PHIL 343. Kant and the 19th Century (3). Kant's *Critique of Pure Reason* and two or more major thinkers from the 19th century, such as: Hegel, Marx, Nietzsche, Kierkegaard, James, Dewey. [Rep once.]

PHIL 345. Philosophies of China (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.

PHIL 346. Philosophies of India (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.

PHIL 355. Existentialism (3). Principal existential philosophers of 19th and 20th centuries, such as Kierkegaard, Heidegger, Nietzsche, Sartre, Marcel, Buber.

PHIL 371. Contemporary Social & Political Philosophy (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.

PHIL 391. Seminar in Philosophy (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 DA. Rep.]

PHIL 392. Experiential or Service Learning (1). Participation in 12-24 hours of designated activity with a reading and discussion component. [CR/NC.]

PHIL 415. Symbolic Logic (3). Quantifiable logic, including logic of relations; properties of axiomatic systems; many-valued logic; modal logic and its extensions. [Prereq: PHIL 100 or IA.]

PHIL 420. Contemporary Epistemology & Metaphysics (3). What exists? What are the basic categories of being? What does it mean to know? Are there different kinds or sources of knowing? [Rec: PHIL 100.]

PHIL 425. Philosophy of Science (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. [Rec: PHIL 100.]

PHIL 485. Seminar in Philosophy (3). Intensive study of a philosophical movement, philosophical problem, writings of a philosopher, or a subdiscipline (for example, philosophy of mind). [Rep. Two of these seminars required for philosophy majors.]

PHIL 499. Directed Study (1-2). [Rep.]

GRADUATE

PHIL 680. Special Topics (1-3). Intensive study in selected philosophers and/or topics. [Rep.]

Physical Education

Contents of this section:

General information

Aquatics

Dance

Individual Activities

Intercollegiate Athletics

Intercollegiate Club Sports

Team Sports

Activity courses provide opportunities to develop skills, knowledge, and increased fitness level.

All activity courses (100-300) must be taken CR/NC, with the exceptions of PE 262, PE 360, PE 362, and PE 382 which may be taken for a grade.

Beginning Level (100 series) — introductory courses for fundamental instruction.

Intermediate Level (200 series) — prerequisite is beginning level or equivalent skill (with IA).

Advanced Level (300 series) — prerequisite is intermediate level or equivalent accomplished skill (and IA).

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 (UC south lounge).

Students with disabilities are welcome in all physical education activity courses.

AQUATICS

Note: Other aquatic offerings found under Recreation Administration.

PE 146. Fitness Swimming, Beginning (1). Cardiovascular swimming instruction and workouts for those with basic ability. Self-paced, aerobic lap swims with stroke instruction. [Rep.]

PE 224. Women's Rowing, Beginning (1). Designed for women interested in joining women's intercollegiate crew team. The class will teach the basic mechanics of rowing.

PE 255. Water Polo (1). Instruction, competition. Techniques, strategies. [Prereq: intermediate or advanced swim ability. Rep.]

PE 262. Beginning SCUBA (4). Diving physiology, physics, hyperbaric medicine, nearshore oceanography, gear selection and maintenance, accident management, dive planning. SCUBA certification upon successful completion. [Prereq: satisfactory HSU SCUBA physical exam, completed swim evaluation; required SCUBA gear (rental or personal).]

PE 282. DAN Oxygen Provider Certification (1). Diving Alert Network (DAN) oxygen provider training and certification. Recognition, prevention, and treatment of diving accidents. [Prereq: PE 262 or PE 362 or PE 382 or PE 470 or PE 472 (any may be concurrent).]

PE 347. Master Swim (1-2). Aerobic and anaerobic swimming workouts to improve competitive stroke techniques, speed, endurance, and cardiovascular fitness. All four competitive strokes; workout formats. [Prereq: advanced ability. Rep.]

PE 360. Lifeguard Training (2). Professional techniques. American Red Cross certification. [Prereq: advanced swimming ability. Weekly, 1 hr lect, 3 hrs lab.]

PE 362. Advanced SCUBA (4). Diver rescue, deep diving, night diving, search and recovery, altitude diving, and navigational techniques. Emphasis on local conditions. Certification after completing course successfully. [Prereq: basic SCUBA certification, satisfactory HSU SCUBA physical exam, evaluation of diving skills; required SCUBA gear (rental or personal).]

PE 382. Underwater Photography (3). Develop knowledge and skill to use still or video cameras safely while free diving or SCUBA diving. Emphases: safe diving practices; camera equipment selection, maintenance, and use. [Prereq: PE 262 and PE 362.]

PE 470. Rescue Diver (4). Emergency management of diving accidents; diver rescues; first aid for diving injuries. Qualify for HSU/NAUI leadership levels. [Prereq: PE 362 or equivalent.]

PE 471. Scientific Diving (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. [Prereq: PE 362.]

PE 472. Leadership Diving: Assistant Instructor (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. [Prereq: PE 470.]

PE 476. Water Safety Instructor (3). Methods in swimming instruction. Class management, teaching techniques, lesson planning. American Red Cross WSI certification.

DANCE

Also see Theatre, Film, and Dance.

PE 190. Country Western Dance (1). An exploration of contemporary Country Western Dance. Includes: Line Dances, Texas Two Step, Country Swing, Country Cha Cha, Country Waltz. [Rep.]

PE 192. Latin Dance (1). An exploration of Latin Dances. Includes: Salsa, Argentine Tango, Merengue, Rumba, Cubia, and Mexican Social Dances. [Rep.]

PE 193. Mexican Folklorico Dance (1). Regional dances from Mexico. Dance background, footwork, style, technique. Special shoes and clothing required. [Rep.]

PE 194. Social Dance (1). Traditional social ballroom dances from the 1930s and 40s. Swing/Jitterbug, Waltz, Polka, Foxtrot, Tango, and Cha Cha Cha. [Rep.]

PE 196. Swing Dance (1). An exploration of American Swing Dances and identify various styles. Includes: East Coast Swing, Lindy Hop, (Savoy Style or Hollywood Style) Shag. [Rep.]

PE 197. Tappin' Dancin' Feet (1). An exploration of dances that involve tapping feet and rhythmic movement. Includes: Appalachian Clogging, French Canadian Clogging, Jazz Tap, and Irish Step. [Rep.]

INDIVIDUAL ACTIVITIES

PE 112. Aikido, Beginning (1). Nonaggressive yet highly effective form of self-defense. Learn respect for self/others in a setting of diligent, cooperative training. [Rep.]

PE 113. Archery, Beginning (1). Open to all ability levels. Beginners taught bow and arrow techniques. Intermediate/advanced archers provided target time. [Rep.]

PE 114. Badminton, Beginning (1). Skills, rules, strategies. Serves, smashes, drops, clears, nets, backhands, forehands, footwork, singles and doubles strategies. [Rep.]

PE 118. Bowling (1). Fundamentals: scoring, etiquette, footwork. [Rep.]

PE 119. Fitness Fusion (1). Safe impact aerobic and strength exercise, a combination of the most popular fitness methods including rhythmic move-

ment, functional fitness, strength/core training, yoga, and barefoot training. [Rep.]

PE 125. Fencing, Beginning (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. [Rep.]

PE 127. Golf, Beginning (1). Use of clubs, grip, stance, swings. On-campus instruction. [Rep.]

PE 129. Power Step (1). Increase cardiovascular fitness and muscular strength and endurance through traditional aerobic dance steps along with a 4-8" high step. [Rep.]

PE 138. Self Defense (1). Mental self-defense: awareness, avoidance. Physical options against attack. Overview of martial arts. [Rep.]

PE 140. Tai Chi Chuan, Beginning (1). Yang style short form. Emphases: precise movement, body dynamics. [Rep.]

PE 144. Stretch & Relaxation Techniques (1). Loosen up, stretch out, and practice relaxation techniques. [Rep.]

PE 157. Weight Training, Individual, Beginning (1). No scheduled hours; individualized weight program during open hours. [Rep.]

PE 158. Strength Fitness (2). Principles of weight training. Establish strength and conditioning foundation. Two additional hours TBA. [Rep.]

PE 215. Body Conditioning (1). Improve cardiovascular fitness, strength, muscular toning through non-equipment-assisted exercises. [Rep.]

PE 228. Fishing the Northwest (2). Learning methods of fishing Northern California waters. Rules, regulations, safety, and angler etiquette. Overnight camping and local day fishing trips will be scheduled.

PE 229. Fly Fishing (2). Offers the opportunity to understand equipment options, fly selection, fly casting, trip planning, environmental ethics, and fly fishing strategies.

PE 237. Self-Defense Grappling (1). Grappling (a form of wrestling) skills essential for the complete martial artist. Emphasis on escapes, reversals, and specific holds. [Rep.]

PE 259. Yoga (1). Postures designed to increase flexibility, strength, awareness, relaxation. [Rep.]

PE 263. Intermediate Yoga (2). Physical yoga practice of asana, pranayama, and meditation. Theory of yoga woven into the practice to encourage embodiment of all aspects of yoga. [Prereq: PE 259 or previous yoga experience. Rec: regular yoga practice. CR/NC. Rep.]

PE 280. Special Topics (1-4). New courses, workshops. [Rep.]

PE 289. Special Topics (1-3). Activities. [Rep.]

INTERCOLLEGIATE ATHLETICS

PE 420. Intercollegiate Men's Basketball (3). [Rep up to a total of 6 intercollegiate athletic units.]

PE 421. Intercollegiate Women's Basketball (3). [Rep up to a total of 6 intercollegiate athletic units.]

PE 424. Intercollegiate Women's Crew (3). [Rep up to a total of 6 intercollegiate athletic units.]

PE 426. Intercollegiate Men's/Women's Cross Country (3). [Rep up to a total of 6 intercollegiate athletic units.]

PE 432. Intercollegiate Football (3). [Rep up to a total of 6 intercollegiate athletic units.]

PE 438. Intercollegiate Men's/Women's Soccer (3). [Rep up to a total of 6 intercollegiate athletic units.]

PE 444. Intercollegiate Women's Softball (3). [Rep up to a total of 6 intercollegiate athletic units.]

PE 456. Intercollegiate Men's/Women's Track & Field (3). [Rep up to a total of 6 intercollegiate athletic units.]

PE 463. Intercollegiate Women's Volleyball (3). [Rep up to a total of 6 intercollegiate athletic units.]

INTERCOLLEGIATE CLUB SPORTS

Participate in an organized athletic program while learning fundamental skills, game strategy, tactics, and sportsmanship. Participants are required to attend practice and encouraged to participate in games.

Please note: *The above statement applies to all of the following Physical Education courses.*

PE 261. Intercollegiate Club Climbing (2). Rock wall climbing, skill building, and competition. [Rep.]

PE 312. Intercollegiate Club Archery (2). [Prereq: PE 113. Rep up to 6 intercollegiate units.]

PE 314. Intercollegiate Club Cheer (2). [Rep up to 6 intercollegiate units.]

PE 315. Intercollegiate Club Lacrosse, Men (2). [Rep up to 6 intercollegiate units.]

PE 317. Intercollegiate Club Baseball (2). [Rep up to 6 intercollegiate units.]

PE 318. Intercollegiate Club Rugby, Men (2). [Rep up to 6 intercollegiate units.]

PE 319. Intercollegiate Club Rugby, Women (2). [Rep up to 6 intercollegiate units.]

PE 320. Intercollegiate Club Crew, Men (2). [Rep up to 6 intercollegiate units.]

PE 321. Intercollegiate Club Cycling (2). [Rep up to 6 intercollegiate units.]

PE 322. Intercollegiate Club Volleyball, Men (2). [Rep up to 6 intercollegiate units.]

PE 323. Intercollegiate Club Ultimate Frisbee, Men (2). [Rep up to 6 intercollegiate units.]

PE 324. Intercollegiate Club Ultimate Frisbee, Women (2). [Rep up to 6 intercollegiate units.]

PE 325. Intercollegiate Club Fencing (2). [Rep up to 6 intercollegiate units.]

TEAM SPORTS

PE 116. Basketball (1). Beginning skills and knowledge for playing organized basketball. Skill development drills; game situations. [Rep.]

PE 141. Soccer, Beginning (1). Skills, strategies, tactics. [Rep.]

PE 151. Ultimate Frisbee, Beginning (1). Disc throwing techniques; fundamentals of the game of ultimate. Develop game strategy through drills and playing. [Rep.]

PE 241. Soccer, Intermediate (1). Skills, tactics. [Rep.]

PE 250. Intramural Activity (.5-1). Enhance psychomotor skills and fitness levels and make choices about lifetime leisure activities. [Rep up to 2 units.]

PE 251. Ultimate Frisbee, Intermediate (1). For those with fundamental skills and knowledge of game. Drills; develop game strategy through playing. [Rep.]

PE 487. Techniques of Officiating Basketball (2). Theory of officiating in men's and women's programs. Practical application.

Physics

Physics majors and minors must earn a minimum grade of C- in all physics courses.

LOWER DIVISION

PHYX 104. Descriptive Astronomy (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 nonmajors. [Prereq: ELM score of 42 or higher. Weekly: 3 hrs lect, 3 hrs lab/field trips. GE.]

PHYX 104B. Descriptive Astronomy (3). Same as 104 without the lab. [Prereq: ELM score of 42 or higher.]

PHYX 106. College Physics: Mechanics & Heat (4). Noncalculus, for science majors. Mechanics, fluids, heat, sound. [Prereq: MATH 114 or MATH 115. Weekly: 3 hrs lect, 3 hrs lab. GE.]

PHYX 107. College Physics: Electromagnetism & Modern Physics (4). Noncalculus, for science majors. Geometric optics, electricity, magnetism, electromagnetic waves, AC circuits, physical optics, relativity. [Prereq: PHYX 106 with a grade of C or higher. Weekly: 3 hrs lect, 3 hrs lab. GE.]

PHYX 109. General Physics I: Mechanics (4). Calculus-based, for science/engineering students. Offered Fall only. [Prereq: MATH 109 and MATH 110 (C) with grades of C or higher. Weekly: 2 hrs lect, 2 hrs activ, 3 hrs lab. GE.]

PHYX 110. General Physics II: Electricity, Heat (4). Calculus-based, for science/engineering students. [Prereq: MATH 210 (C) and PHYX 109 (or ENGR 211 for engineering majors) with grades of C or higher. Weekly: 2 hrs lect, 2 hrs activ, 3 hrs lab.]

PHYX 111. General Physics III: Optics, Modern Physics (4). Calculus-based, for science/engineering students. [Prereq: PHYX 110 with a grade of C or higher; or an approved physics series. Weekly: 2 hrs lect, 2 hrs activ, 3 hrs lab.]

PHYX 118. College Physics: Biological Applications (1). Geometrical optics, simple DC circuits. [Prereq: PHYX 106 (C). Weekly: 2 hrs lect; half semester.]

PHYX 198. Supplemental Instruction (1). Collaborative work for students enrolled in introductory physics. [Rep. CR/NC.]

PHYX 295. Selected Topics in Physics (1-5). [Prereq: IA. Rep. CR/NC.]

PHYX 299. Supplemental Work in Physics (1-3). Directed study.

UPPER DIVISION

PHYX 304. Cosmos (4). Grand picture in astronomy. Galaxies; general and special relativity; quantum gravity; cosmology; birth, present structure, and death of stars. For nonmajors. [Weekly: 3 hrs lect, 2 hrs disc. GE.]

PHYX 310. Spacetime & Relativity (3). Einstein's ideas on space-time curvature, geometry of space-time, and physics of gravitational collapse. Offered alternate years. [Prereq: MATH 210 and PHYX 109. Rec: MATH 311 or MATH 315, and PHYX 111.]

PHYX 315. Introduction to Electronics & Electronic Instrumentation (3). Devices and circuits, both analog and digital, in science instrumentation. Construct amplifiers and digital circuits. [Prereq: PHYX 110 with a grade of C or higher. Weekly: 2 hrs lect, 3 hrs lab.]

PHYX 316. Electronic Instrumentation & Control Systems (4). Design/build electronic instruments. Direct interfacing of computers. [Prereq: PHYX 315. Weekly: 2 hrs lect, 6 hrs lab.]

PHYX 320. Modern Physics (3). Atomic, solid state, nuclear, and particle physics. [Prereq: PHYX 111. Weekly: 2 hrs lect, 3 hrs lab.]

PHYX 324. Analytical Mechanics (4). Principles and foundations of mechanics, from classical to modern ideas. [Prereq: PHYX 110, MATH 311 (C), MATH 313 (C). Rec: PHYX 111.]

PHYX 325. Thermal Physics (4). Elements of classical and statistical thermodynamics. Offered alternate years. [Prereq: PHYX 320 and MATH 314 (C).]

PHYX 340. Mathematical and Computational Methods (2). Numerical, symbolic and graphical programming and simulations, mathematical applications important to physicists. [Prereq: MATH 241 and PHYX 110.]

PHYX 360. Physics of Stars & Planets (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. [Prereq: PHYX 111. Weekly: 3 hrs lect, 3 hrs lab. Offered alternate years.]

PHYX 361. Galaxies & Cosmology (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. [Prereq: PHYX 360.]

PHYX 399. Supplemental Work in Physics (1-3). Directed study. [Prereq: IA. Rep.]

PHYX 420. Optical Systems Design (4). Geometrical and physical theories. Gaussian optics, interference, diffraction, polarization, lasers, holography. Lab: design, set up, and test optical systems; make holograms. Offered alternate years. [Prereq: PHYX 111 and MATH 241. Weekly: 3 hrs lect, 3 hrs lab.]

PHYX 430. Computerized Instrumentation (3). Experiment with computer interfacing, data acquisition, reduction. Assumes familiarity with some computer language. Use IBM PCs and Turbo Pascal. [Prereq: PHYX 316. Weekly: 1 hr lect, 6 hrs lab. Offered occasionally.]

PHYX 441. Electricity & Magnetism I (3). Vector analysis, electrostatics, magnetostatics & electrodynamics. [Prereq: PHYX 324 (C) and MATH 313 (C). Rec: MATH 314. Offered alternate years.]

PHYX 442. Electricity & Magnetism II (3). Conservation laws, electromagnetic waves, potentials & fields, radiation and relativity. [Prereq: PHYX 441. Offered alternate years.]

PHYX 450. Quantum Physics I (4). Quantum mechanics; introductory atomic physics. [Prereq: PHYX 320, PHYX 324 (C), MATH 313.]

PHYX 462. Senior Lab (2). Experiments for senior physics majors. Bridge gap between carefully structured lower division lab experiences and truly independent research and development. [Prereq: PHYX 315 and PHYX 320. Rep.]

PHYX 480. Selected Topics in Physics for Seniors (1-5). Offered as demand warrants. [Prereq: IA. Rep with different topics.]

PHYX 485. Physics Seminar (.5-1). Seminar presentations by physics majors, faculty, and guest speakers. Capstone course. All physics majors are encouraged to attend. Students need to enroll both fall and spring semesters. [Prereq: PHYX 324 (C). CR/NC. Rep.]

PHYX 490. Senior Thesis I (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. [Prereq: consent of faculty member. Rep.]


PHYX 491. Senior Thesis II (2). Continue senior thesis project if more time required. [Prereq: PHYX 490. Rep.]

PHYX 495. Undergraduate Research (1-3). Individual investigation of selected problem. [Rep. For students showing outstanding ability. Prereq: IA.]

PHYX 499. Directed Study (1-3). Individual study on selected problems. [Prereq: IA. Rep.]

Political Science

LOWER DIVISION


 **PSCI 104. People & Politics** (3) **FS.** Philosophical and historical foundations of the concept of political community. Contemporary issues confronting people as members of the political community. [GE.]

PSCI 110. American Government (3) **FS.** Political values, institutions, and patterns of influence in law and governance, including relations among the nation, tribes, and the state of California. Non-majors course (political science majors should take PSCI 210 instead).

PSCI 210. Introduction to United States Politics (3). Analysis, description, and evaluation of political institutions, behavior, and values which comprise politics in the United States. Meets requirement in "US Constitution and California State and Local Government" established by CA legislature. For political science majors and minors.

PSCI 220. Introduction to Political Theory (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.


PSCI 230. Introduction to Comparative Politics (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.


 **PSCI 240. Introduction to International Relations** (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.

PSCI 280. Core Discussion Seminar (1). This course is designed as a supplement to the core courses of the major (PSCI 210, PSCI 220, PSCI 230, and PSCI 240). Format is seminar and discussion. Oral and writing skills included. [Need to take corresponding core course concurrently. Rep 3 times.]

PSCI 295. Political Research & Analysis (4). Research and analysis skills, both qualitative and quantitative, of political science as a discipline.

UPPER DIVISION


 **PSCI 303. Third World Politics** (3). Examination of the politics of inequality and power in developing countries from historical, economic, social, cultural, and international perspectives. [DCG-n. GE.]

 **PSCI 306. Environmental Politics** (3). Examines issues, movements, and controversies at bioregional, national, and global levels. Analyzes the political decision-making process and implementation of environmental policy. [GE.]

PSCI 313. Politics of Criminal Justice (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.

PSCI 316. Public Administration (4). A study of public bureaucracy and how public agencies make and implement public policy. Managerial, political, and legal perspectives are used to study public administration in theory and practice.

 **PSCI 317. Topics in Public Policy** (1-4). Contemporary policy issues at the local, state, and/or national level. Issues include such things as health care, immigration, energy, civil rights, and public safety. [Rep up to 8 units.]

PSCI 318 / CRGS 360. Race, Gender & US Law (4). How are race, gender, and sexuality constructed and regulated in US law? How have activists challenged such regulations? Discussions of slavery, miscegenation, eugenics, birth control, marriage, welfare, and affirmative action. [DCG-d.]

PSCI 323. Topics in Political Theory (4). In-depth exploration of important concepts or movements in political thought. Topics vary; consult current class schedule. [Rep up to 8 units.]

PSCI 327. Radical Political Thought (4). Critical examination of Marxist and other radical critiques and of liberal democracy that have been influential over the past century.


PSCI 330. Political Regimes & Political Change (4). Advanced study of comparative politics in regional context of Latin America, Africa, Europe, Middle East, or Asia. Topics vary; consult current class schedule. [Rep.]

PSCI 340. Ethnicity & Nationalism (4). Comparative study of ethnic identity and conflict, nationalism and responses of states and the international community. Regions and cases vary with instructor.

PSCI 343. Global Governance (4). Analysis of the processes and politics of global governance with an emphasis on nonstate actors, intergovernmental organizations, and international institutions.

PSCI 347. US Foreign Policy (4). Theoretical approaches; major problems. Procedures, interests, purposes, and group pressures.


PSCI 350. The President & Congress (4). Executive-legislative powers, functions, and relations in the making of domestic and foreign policy.


 **PSCI 352. Water Politics** (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.


PSCI 354. Media and Public Opinion (4). How interest groups, political parties, and media affect public opinion and influence elections.

PSCI 358. Political Advocacy (4). Practical advocacy experience before California legislature. Field trip to Sacramento.


PSCI 359. California Government (3) **FS.** Political process, institutions, governmental units. Current problems and political controversies. Meets requirement in "US Constitution and California state and local government" established by legislature.

 **PSCI 360. Political Economy** (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. [Rep with IA.]

 **PSCI 364. Technology & Development** (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.

 **PSCI 365 / GEOG 365. Political Ecology** (4). Combines elements of human ecology and political economy to examine environmental degradation, conflict, and conservation. Examines social movements and community responses to environmental change.

PSCI 371. Vital Issues in Contemporary Politics (1-4). Current critical domestic and international problems and areas of controversy. [Rep.]

 **PSCI 373. Politics of Sustainability** (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.

PSCI 376. Multilateralism and the United Nations System (2). The dynamics of multilateral diplomacy and international relations with an emphasis on the United Nations and its subsidiary and ancillary organizations.

PSCI 377. Model United Nations (1). Delegate preparation for and participation in intercollegiate Model UN, emphasizing the art of lobbying, negotiation, bargaining, and international diplomacy. [Prereq or coreq: PSCI 376. Rep twice.]

PSCI 387 / ANTH 387 / ECON 387 / GEOG 387 / HIST 387 / INTL 387. International Education Colloquium (1). Earn credit by attending International Education Week events the week before Thanksgiving and participating in an online discussion forum. Mandatory pre-event meeting in September. [CR/NC. Rep once.]

PSCI 410. American Constitutional Law (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.

PSCI 412. Legal Research (4). Principles and research procedures in California/federal case law, statutory law, and codes. Computerized legal research; legal citation and writing.

PSCI 441. International Law (4). Its nature and substance. Legal history: cases, treaties, and other international documents.

PSCI 480. Seminar in Political Science (4). Topics in political theory, international relations, American politics, or comparative politics. [Prereq: upper division standing or IA. Rep with IA.]

PSCI 482. Internship (3). Field observation; placement in a public or private nonprofit agency. [Prereq: IA. Rep twice.]

PSCI 485. Capstone Seminar in Politics (4). Topics focused on departmental areas of emphasis in: Advocacy and Institutions, Environment and Sustainability, Globalization. [Prereq: PSCI 210, PSCI 220, PSCI 230, PSCI 240, PSCI 295. Rep with IA.]

PSCI 491. Mentoring (1-4). Advanced majors gain experience as teaching assistants working with a diverse body of students. [Prereq: IA. Rep.]

PSCI 495. Field Research (1-4). Field investigation of current phenomena, including issues and political behavior. [Rep with IA.]

PSCI 499. Directed Study (1-4) **FS**. Selected problems. [Open to advanced students with IA. Rep with IA.]

GRADUATE

Prerequisites: graduate standing and adequate preparation in political science.

PSCI 680. Special Topics (3). Intensive study of selected ideas, movements, policy, or institutions.

PSCI 690. Master's Thesis (1-6) **FS**. For approved candidates for MA in social science wishing to pursue study in political science. [Prereq: DA. Rep.]

PSCI 695. Field Research (1-3). Field investigation of current phenomena, including issues and political behavior. [Rep with IA.]

PSCI 699. Independent Study (1-4) **FS**. Selected problems. [Open to grad students with IA. Rep.]

Psychology

LOWER DIVISION

PSYC 100. Psychology of Critical Thinking (3). Analysis of arguments and persuasive appeals (both deductive and inductive), common fallacies in thinking and forming arguments, evaluating information sources used to justify a belief, application of critical thinking to scientific reasoning about human behavior. [GE.]

PSYC 104. Introduction to Psychology (3). Evolution of psychology; research methods; biological foundations of behavior; sensation, perception; nature of consciousness, learning, and behavior; memory; cognitive development; health psychology; theories of personality; psychological assessment and individual differences; psychological disorders; psychological treatments. Participation in research projects is required. Department recommends taking this as foundation before any other PSYC courses. [GE.]

PSYC 213. The School-Age Child (3). Typical/atypical biological, cognitive, social, and emotional development of children, focusing particularly on ages 4 through 12. Influence of family, culture, language, school, peers, and media on developmental processes.

PSYC 236. Choices & Changes in Sexuality (1). Influences on students' developing sexuality: development of gender identity, sexual orientation, body image, relationship negotiation, and

preventing undesired physical and psychological consequences of sexual activity.

PSYC 241. Introduction to Psychological Statistics (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. [Prereq: math remediation completed or not required. Weekly: 3 hrs lect, 2 hrs lab.]

PSYC 242. Introduction to Psychological Research Design & Methodology (4). Hypothesis development, data gathering, ethics, interpretation of findings. Department recommends taking this before upper division PSYC courses. [Prereq: PSYC 241, and ENGL 103 or ENGL 104 or ENGL 100 or ENGL 100A or equivalent. Weekly: 3 hrs lect, 2 hrs activ.]


PSYC 280. Perspectives on Psychology (1). New majors introduced to psychological topics and psychology as a career option. Weekly presentations by faculty and members of psychological community. Required for major.

UPPER DIVISION

PSYC 300 / WS 300. Psychology of Women (3). Individual and social characteristics and roles. Overview, critique of theories, research. Biological/environmental determinants of women's psychological development, including sex differences. [DCG-d. GE.]

PSYC 302. Psychology of Prejudice (3). How it is expressed, its causes, consequences, and approaches for reducing it. Multicultural and diversity issues. [DCG-d. GE.]

PSYC 303. Family Relations in Contemporary Society (3). Psychological aspects. Dating, love; parent/child and couple relations; causes/effects of divorce; solutions to family difficulties. [GE.]

 **PSYC 309. The Thinking Consumer in a Materialistic Society** (3). Impact of advertising, marketing, and culture on consumer behavior and thought processes. [GE. CWT.]

PSYC 311. Human Development (3). Overview of developmental changes across the human life span: conception through adulthood. Relevant psychological theories, research literature. [Prereq: PSYC 104.]

PSYC 311D. Human Development Discussion (2). Overview of developmental changes across the human life span: conception through adulthood. Relevant psychological theories, research literature. [Prereq: PSYC 242 with a grade of C- or higher and PSYC 311 (C). Rep twice.]

PSYC 320. Behavior Analysis (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. [Prereq: PSYC 104, PSYC 241, PSYC 242. Weekly: 3 hrs lect, 2 hrs lab.]

PSYC 321. Intro Behavioral Neuroscience (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. [Prereq: PSYC 104.]

PSYC 322. Learning & Motivation (3). Principles, concepts, and theoretical issues: reinforcement, extinction, punishment, transfer of training. [Prereq: PSYC 104.]

PSYC 323. Sensation & Perception (3). Role of senses in acquiring information. Integrating sensory processes to form perceptual representations of the environment. [Prereq: PSYC 104.]

PSYC 324. Cognitive Psychology (3). Acquisition, organization, use of knowledge. Attention, memory, problem solving, decision making, language, consciousness. [Prereq: PSYC 104.]

PSYC 324D. Cognitive Psychology Discussion (2). Acquisition, organization, use of knowledge. Attention, memory, problem solving, decision making, language, consciousness. Participatory experience with research methods, apparatus, and empirical issues. [Prereq: PSYC 242 with a grade of C- or higher and PSYC 324 (C). Rep twice.]

PSYC 325 / ZOO 325. Advanced Behavioral Neuroscience (4). Relate function of central nervous system to behavior. [Prereq: PSYC 104, PSYC 241, PSYC 242. Weekly: 3 hrs lect, 2 hrs lab.]

PSYC 335. Social Psychology (3). Effects of culture and socialization on attitudes, group dynamics, interpersonal perception, and the individual. [Prereq: PSYC 104.]

PSYC 335D. Social Psychology Discussion (2). Effects of culture and socialization on attitudes, group dynamics, interpersonal perception, and the individual. Participatory experience with research methods, apparatus, and empirical issues. [Prereq: PSYC 242 with a grade of C- or higher and PSYC 335 (C). Rep twice.]

PSYC 336. Social Influence & Persuasion (3). This course will explore how people attempt to influence others attitudes and behavior; the effectiveness of various methods of social influence, and how to effectively resist influence. [Prereq: PSYC 104.]

PSYC 337. Personality Theory & Research (3). Psychoanalysis, behaviorism, humanistic psychology. Research implications, practical application, critical evaluation. [Prereq: PSYC 104.]


PSYC 337D. Personality Theory & Research Discussion (2). Students discuss findings and theories of personality psychology, as well as design and present their own research projects in this area. In-depth focus on approaches to research in personality. [Prereq: PSYC 242 and PSYC 337 (C).]

PSYC 345L. Psychological Tests & Measurement (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. [Prereq: PSYC 104, PSYC 241, PSYC 242; all with a grade of C- or higher. Weekly: 3 hrs lect, 2 hrs lab.]

PSYC 400. Health Psychology (3). Experiences of illness/healing in cultural contexts. Interrelated soma, psyche, and society as understood in diverse health care systems and healing practices. [GE.]

PSYC 404. Industrial/Organizational Psychology (3). Exploration of psychological methods used to improve employee selection, training, and performance. Organizational issues such as job satisfaction and emotions, work stress, violence, team skills, job design.

 **PSYC 405. Environmental Psychology** (3). Exploration of behavior-environment relationships. Ecopsychology, wilderness experience, and appraisal of our natural environment. Analysis of the social environment (privacy, territoriality, crowding). Evaluation of the built environment (home, workplace, community).

PSYC 406. Forensic Psychology (3). Criminals, police, witnesses, attorneys, judges, juries, correctional workers, and their decision-making processes. Compare research evidence and own experiences with perspectives of professionals in the field.

PSYC 414. Psychology of Adolescence & Young Adulthood (3). Physical, cognitive, social, and emotional development. Personality, relationship, education, and work issues from developmental perspective. [Prereq: PSYC 311 (C) or IA.]

PSYC 418. Developmental Psychopathology (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. [Prereq: PSYC 311 (C) or IA.]

PSYC 419. Family Violence (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. [Prereq: PSYC 104.]

PSYC 433. Stress & Wellness (3). Physical and psychological effects of stress. Behavioral management techniques to control stress. Wellness as mind/body integration.

PSYC 434. Death, Dying & Grief (3). Focus on psychological experiences of people as they approach death and of loved ones who are left behind; cross-cultural death-related beliefs and customs; end of life decision making. [Prereq: PSYC 104.]

PSYC 436 / WS 436. Human Sexuality (3). Physiological, psychological, and sociological aspects of human sexual behavior. Topics include conception, contraception, attitudes, orientation, and behaviors. Interdisciplinary approaches as appropriate.

PSYC 437. Sexual Diversity (3). Using biological and social constructionist explanations of sexual

orientation, we will explore historical, psychological, and sociological foundations of gay, lesbian, bisexual, and transgender cultures, and examine contemporary political issues of discrimination, pride and social power. [Rec: PSYC 436 or WS 436. DCG-d.]

PSYC 438. Dynamics of Abnormal Behavior (3). Major psychological disorders: anxiety disorders (neuroses), psychoses, and conduct disturbances. Theoretical/empirical analyses. [Prereq: PSYC 104 (C) or IA.]

PSYC 454. Interviewing & Counseling Techniques (3). Supervised practice, including video or audio taping and feedback sessions. [Prereq: upper division PSYC major or IA. Weekly: 1 hr lect, 4 hrs activ.]

PSYC 473. Substance Use & Abuse (3). Why people use and continue to use drugs. Medical, legal, social, educational, and therapeutic aspects.


PSYC 478 / PSYC 578. Analysis of Variance (4). Topics include between and within subjects ANOVA, mixed model ANOVA, and test assumptions. [Prereq: PSYC 241 or equivalent. Weekly: 3 hrs lect, 2 hrs lab.]

PSYC 480. Selected Topics in Psychology (1-3). Topic/problem from theoretical, experimental, or applied psychology. [Prereq: PSYC 104. Rep for different topics.]

PSYC 482. Field Study (1-4). Propose work in selected community settings. Obtain supervision and receive credit. Periodic practicum conferences required. [Prereq: IA. Weekly: 3 hrs per unit of credit. CR/NC. Rep.]

PSYC 485. Senior Seminar (3). Integrative review of psychology focusing on the history of the field or a broad issue within the discipline. Format emphasizes class discussion, oral presentation, and written reports. A capstone experience. [Prereq: PSYC 104. Senior standing. Must be taken during final year of coursework or IA.]

PSYC 486. History & Systems of Psychology (3). Current theoretical/research trends. Historical background. Relation to other sciences; methods of research; interpretation of empirical data.

 **PSYC 487. Evolutionary Psychology** (3). A general overview of how human behavior and psychology has been shaped by natural selection through eons of evolution. [Prereq: PSYC 321 (C) or PSYC 325 (C) or BIOL 105 (C); all with grades of C- or higher. Rep.]

PSYC 488 / PSYC 588. Regression/Multivariate Topics (4). Topics include multiple regression, moderated regression, logistic regression, time series, and factor analysis. [Prereq: PSYC 241. Weekly: 3 hrs lect, 2 hrs lab.]

PSYC 490. Senior Honors Thesis (3). Advanced majors design a cumulating experience that involves independent research while working under the supervision of a faculty member. [Rep once.]

PSYC 495. Research in Psychology (1-4). Individual investigation culminates in formal report complying with department standards. [Prereq: IA. CR/NC. Rep.]

PSYC 496. Psychology Research Seminar (3). Research problem culminates in written report in accord with APA standards. Required student/faculty group meetings to discuss common research problems, such as subject selection, psychological measurement, interpretation of results, ethics of research. [Rep.]

PSYC 497. Mentoring (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. [Prereq: IA. CR/NC. Rep.]

PSYC 499. Independent Study (1-3). On a tutorial basis, pursue area of interest not covered by regular course offerings. [Prereq: six upper division units in psychology and IA. Rep.]

GRADUATE

Prerequisite: grad standing and/or adequate preparation in psychology.

PSYC 518. Advanced Developmental Psychopathology (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. [Prereq: PSYC 242 or equivalent and PSYC 311 or equivalent; all with grades of C or higher.]

PSYC 545. Psychological Testing (4). Testing concepts: reliability, validity, standardization, and score interpretation. Apply to current standardized tests of intelligence, aptitude, achievement, personality. [Prereq: PSYC 241 or IA. Weekly: 3 hrs lect, 2 hrs lab.]

PSYC 550. Introduction to Institutional Research (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. [Prereq or coreq: graduate standing, SOC 583 (C) or PSYC 641 (C) or IA.]

PSYC 551. Applied Research (4). This course will emphasize research methodology that is relevant to the field of IR. [Prereq: graduate standing, PSYC 550.]

PSYC 552. Diversity in Research (4). This course will emphasize primary data collection that is relevant to the field of IR. [Prereq: graduate standing, PSYC 551.]

PSYC 578 / PSYC 478. Analysis of Variance (4). Topics include between and within subjects ANOVA, mixed model ANOVA, and test assumptions. [Prereq: PSYC 241 or equivalent. Weekly: 3 hrs lect, 2 hrs lab.]

PSYC 588 / PSYC 488. Regression/Multivariate Topics (4). Topics include multiple regression, moderated regression, logistic regression, time series, and factor analysis. [Prereq: PSYC 241. Weekly: 3 hrs lect, 2 hrs lab.]

PSYC 605. Psychological Foundations/School Psychology (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. [Prereq: good standing in School Psychology program.]

PSYC 606. Educational Foundations/School Psychology (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. [Prereq: good standing in School Psychology program. Coreq: PSYC 783.]

PSYC 607. Consultation/Collaboration (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. [Prereq: PSYC 606 and good standing in School Psychology program. Coreq: PSYC 783.]

PSYC 608. Advanced Assessment/Case Presentation (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. [Prereq: PSYC 607, PSYC 617, good standing in School Psychology program. Coreq: PSYC 783.]

PSYC 616. Cognitive Assessment I Cognitive/Biological Bases of Behavior (3). Theories, methods and techniques for understanding and assessing cognitive development and intelligence. Supervised practice in test administration, scoring and interpretation. [Prereq: good standing in School Psychology Program or IA. Weekly: 2 hrs lect, 2 hrs activ. Rep.]

PSYC 617. Cognitive Assessment II Cognitive/Biological Bases of Behavior (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. [Prereq: PSYC 616 and good standing in School Psychology program, or IA. Weekly: 2 hrs lect, 2 hrs activ. Rep.]

PSYC 625. Advanced Psychobiology (3). Empirical/theoretical approaches to topics in brain research and other physiological, neurological, or biochemical processes at the base of human behavior. Topics vary. [Prereq: PSYC 325 or IA. Rep twice.]

PSYC 632. Advanced Developmental Psychology (3). Development from conception through old age. Topics vary. [Prereq: PSYC 311. Rep twice.]

PSYC 635. Advanced Social Psychology (3). Emphasis: contemporary developments. Topics vary. [Prereq: PSYC 335 or IA. Rep twice.]

PSYC 636. Sexuality Counseling (1). Physiological and psychological aspects of human sexual dysfunction and disorder. Assessment, diagnosis, treatment, referral. For persons working on MFT, LCSW, or psychologist licensing exams. [Prereq: good standing in Counseling Psychology or School Psychology program, or IA.]

PSYC 638. Advanced Psychopathology: Diagnosis of Mental Disorders (3). Diagnosis, assessment, differential diagnosis, prognosis of psychological disorders. DSM classification. [Prereq: PSYC 337 and PSYC 438; good standing in a grad program in PSYC.]

PSYC 640. Aging & Long-Term Care (1). Fifteen hours of education in aging and long-term care (10 hours of direct coursework, lecture, and five hours of fieldwork). Regular readings/exam prep reflects additional time commitments. [Must be a student in the Counseling Psychology or Academic Research graduate programs. Rep once.]

PSYC 641. Research Methods: Philosophy & Design (3). Epistemological foundations of research methods applicable to experimental, clinical/counseling, and applied psychology. Practical research problems: design, sampling, and control. [Prereq: PSYC 241 and PSYC 242.]

PSYC 642. Research Methods: Evaluation (2). Continues 641. Apply research design to individual projects, culminating master's thesis, project or portfolio proposal. Research ethics; APA style. [Prereq: PSYC 641.]

PSYC 648. Statistics Consultation (1-3). Analyze thesis research data. Create data file; statistically analyze data; interpret results. [Prereq: grad standing or IA. CR/NC. Rep.]

PSYC 651. Diagnosis & Treatment of Children for the School Psychologist I – Cognitive & Academic Difficulties (3). Theoretical and professional issues in evaluating/treating children with cognitive or academic difficulties. Assessment practices; diagnostic skills; intervention theory. [Prereq: PSYC 616, IA, good standing in School Psychology program. Weekly: 2 hrs lect, 2 hrs activ. Rep.]

PSYC 652. Diagnosis & Treatment of Children for the School Psychologist II – Social, Emotional & Behavioral Problems (3). Continues PSYC 651, but for social, emotional, or behavioral problems. [Prereq: PSYC 617, PSYC 651, IA, good standing in School Psychology program. Weekly: 2 hrs lect, 2 hrs activ. Rep.]

PSYC 653. Advanced Psychotherapy with Children & Families (3). Interviewing and counseling techniques appropriate for clinical work with children and adolescents. Topics include play therapy, individual counseling, group counseling, family therapy, and parent consultation. [Prereq: PSYC 654 and good standing in School Psychology or Counseling Psychology program, or IA.]

PSYC 654. Interviewing & Counseling Techniques (3). Supervised practice, including video or audio taping, feedback sessions. Applications in community counseling settings. Research findings about effectiveness. [Prereq: good standing in School Psychology or Counseling Psychology program, or IA. Weekly: 2 hrs lect, 2 hrs activ.]

PSYC 655. Social-Behavioral Evaluation (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. [Prereq: PSYC 320 and good standing in School Psychology program, or IA.]

PSYC 656. Couples Therapy (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. [Prereq: PSYC 654 (C) and good standing in Counseling Psychology program, or IA.]

PSYC 657. Group Counseling & Group Psychotherapy (3). Theories and principles. Develop group therapy leadership skills. Supervised practice using videotape and feedback sessions. [Prereq: good standing in Counseling Psychology program, or IA. Weekly: 2 hrs lect, 2 hrs activ.]

PSYC 658. Theories of Individual Counseling & Psychotherapy (3). Introduction to major theories, including psychodynamic, humanistic, behavioral, and cognitive orientations to psychotherapy. Focus is on reading classical theorists, application of techniques to clinical practice, and empirical validation. [Prereq: grad standing.]

PSYC 659. Mental Health in K-12 Schools (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. [Prereq: PSYC 654 with a grade of B- or higher; PSYC 783 (C), good standing in School Psychology program; or IA.]

PSYC 660. Law & Ethics in Psychology (3). Ethics and California law applicable to the counseling profession. [Prereq: admitted to Counseling Psychology program, or IA.]

PSYC 662. Practicum Preparation (1). Seminar approach to various clinical issues regarding practicum placement. May include case study, skill enhancement exercises. [Prereq: good standing in Counseling Psychology program, or IA. Rep.]

PSYC 663. Licensed Supervision (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. [Prereq: good standing in Counseling Psychology program and at least one semester of full-time coursework. Coreq: PSYC 682.]

PSYC 664. Assessment & Testing for Psychotherapists (3). Overview of formal psychological testing and assessment, especially practical applications including types of information gathered, understanding client psychological assessment reports, and administering tests within the boundaries of competence. [Prereq: grad standing.]

PSYC 669. Legal & Ethical Foundations in School Psychology (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. [Prereq: good standing in School Psychology program.]

PSYC 672. Psychopharmacology (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. [Prereq: 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.]

PSYC 673. Mental Health Addiction & Recovery (1). Overview of drug abuse, covering commonalities and differences among drug classes, neural systems involved, addiction processes, treatment and recovery, and social-cultural dimensions. [Prereq: grad standing. Rep once.]

PSYC 676. Cross Cultural Counseling for Individuals, Children & Families (3). Diversity within minority communities; modal characteristics. Making counselor efforts more congruent with minority clients. [Prereq: PSYC 654 (C) and good standing in a grad PSYC program.]

PSYC 680. Selected Topics in Contemporary Psychology (.5-3). Review current literature. Read, critique, present in class. [Prereq: IA. Rep twice with different topics.]

PSYC 682. Fieldwork (1-6). Experience in specific settings to meet student needs. May not be submitted for PPS field requirements. [Prereq: admission to Counseling Psychology program, or IA. Rep.]

PSYC 683. Graduate Teaching Assistantship (1-4). Students planning a teaching career assist in conducting a class under instructor supervision. [Prereq: DA and IA. Rep.]

PSYC 684. Graduate Teaching Internship (1-6). Students planning a teaching career co-teach a college course with faculty observation and guidance. [Prereq: PSYC 683 with a grade of B- or higher and IA.]

PSYC 690. Thesis (1-6). Guided investigation of research problem culminates in formal report in compliance with HSU standards. [Prereq: grad standing and IA. Rep.]

PSYC 692. School Psychology Portfolio Project (1-3). School psychology portfolio constructed under supervision of program faculty. Formative evaluation during training, summative evaluation prior to earning M.A. degree. [Prereq: PSYC 641, PSYC 642 (C), consent of School Psychology Committee. Rep.]

PSYC 694. Independent Study (1-6). On a tutorial basis, pursue area of interest not covered by regular course offerings. [Weekly: 3 hrs per unit of credit. Prereq: IA. Rep.]

PSYC 695. Research Practicum (1-6). Research under direction of staff on a tutorial basis. Group meetings to communicate findings of independent studies. [Prereq: 6 units of grad psychology and IA. Rep.]

PSYC 697. Academic Advisement (1-4). After training, students in academic research MA program advise psychology and undeclared undergraduate majors. [Prereq: approval of grad coordinator and instructor. Rep.]

PSYC 783. School Psychology Practicum (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 HSU faculty and district employed school psychologists. [Prereq: good standing in School Psychology program. Coreq: PSYC 606 or PSYC 607 or PSYC 608. Rep up to 12 units.]

PSYC 784. School Psychology Internship (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 HSU faculty and district employed school psychologists. [Prereq: MA in psychology with Internship Credential issued by the California Commission on Teacher Credentialing. Units must be completed within 2 calendar years. Rep to 24 units.]

Rangeland Resource Science

LOWER DIVISION

RRS 285 / SOIL 285. Rangeland Resource Seminar (1). Current topics in wildland resources (range & soils) assigned, presented, and discussed. Guest presentations from practicing professionals & scientists. Student oral & written presentations required. [Rep once.]

UPPER DIVISION

RRS 306. Wildland Resource Principles (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. [GE.]

RRS 360. Wildland Plant Communities (3). Delineation and synecology of important North American rangelands. Plant identification of important grasses, forbs, and shrubs. [Prereq: BOT 350 (C) or IA. Weekly: 2 hrs lect, 1 hr lab.]

RRS 370. Wildland Ecology Principles (3). Interplay of ecological principles with species composition, distribution, disturbance responses, and management of grassland, woodland, and shrubland communities. [Prereq: RRS 306 or IA.]

RRS 375. Vegetation Analysis & Health (3). Vegetation and wildland health monitoring and analysis procedures. Observe and evaluate vegetation organization & structure. Interpret distinct ecological sites. Field demonstration and analytical work. [Prereq: RRS 306, and STAT 109 or equivalent.]

RRS 420. Introduction to Animal Science (3). Characteristics, physiology, adaptation, and improvements of livestock breeds, animal welfare, feeding, grazing, and marketing. [Prereq: BIOL 105 or ZOO 110; or IA. Weekly: two 1-hr lects, 3 hrs lab.]

RRS 430. Wildland Restoration & Development (3). Treatments, developments, and struc-

tures to improve rangeland ecosystems, services, and function. Ecological principles in ecosystem management and restoration. [Prereq: RRS 306 or WLD 301. Weekly: 2 hrs lect, 3 hrs lab/field trip.]

RRS 460. Rangeland & Ranch Planning (2). 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. [Prereq: RRS 420 and RRS 430. Field trips substitute for scheduled lab time.]

RRS 461. RRS Capstone (1). A wildland plant, plant community, or plant-soil project (individual or team) culminating in written and oral presentation. Demonstrate critical thinking skills applied to complex issues.

RRS 475. Advanced Study of Rangeland Plants (1). Identification and importance of range plants based on specialized morphological characteristics. HSU range-plant judging team selected from class. [CR/NC. Prereq: BOT 350, BOT 354, RRS 360; or IA. Rep.]

RRS 492. Senior Project (3). Independent research which will include fieldwork and completion of a scientific paper. [Prereq: senior standing. Rep.]

RRS 499. Directed Study (1-3). Original research on assigned topics. May involve lab, field, or library work. [Prereq: RRS 306. Rep.]

GRADUATE

RRS 685. Rangeland Resources Graduate Seminar (1). Important problems/changes in RRS. Review literature to propose solutions. [Rep.]

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.

LOWER DIVISION

REC 110. Beginning Kayaking (2). Techniques and safety procedures for whitewater kayaking.

REC 200. Leisure in Society (3). Historical, philosophical, and conceptual developments of leisure in American life. Includes the role of play, recreation, and leisure in both human experience and the recreation and leisure service professions.

REC 210. Recreation Leadership (3). Leader's role in organization. Developing a program within organized youth groups.

REC 220. Leisure Programming (3). Theories, content, and design to serve community leisure needs.


UPPER DIVISION

REC 302. Inclusive Recreation (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. [DCG-d. GE.]

REC 320. Organization, Administration & Facility Planning (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.

REC 330. Adventure Theory & Practice (3). Leadership and facilitation skills, participant assessment considerations, instructional techniques, management considerations, and risk management practices for outdoor and adventure programming.

REC 335. Tourism Planning and Development (3). Examines positive and negative tourism impacts, growth management, strategies and planning principles. Includes the development and implementation of tourism programs.


 **REC 345. Environmental Education** (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.

REC 365. Travel Industry Management (3). This is a conceptual and experiential course that provides an overview of hospitality management, meeting and convention planning, travel modes and methods, and destination marketing.

REC 370. Outdoor Adventure Recreation (3). Knowledge, skill, abilities, policies, and procedures related to outdoor adventure recreation activities. (Backpacking will provide focus of backcountry skills and experiences applied in this course.)

REC 375. Winter Adventure Leadership (2). Knowledge, skill, and abilities related to the leadership of winter adventure recreation activities. Snowshoeing will provide the focus of the backcountry camping and travel experiences applied. [Prereq: REC 370 (C).]

REC 420. Legal & Financial Aspects of Recreation (3). Legal aspects and the many financial involvements of conducting a recreation program.

 **REC 435. Geotourism** (3). This course examines tourism that sustains or enhances the geographical character of a place; the environment, culture, heritage, aesthetics, and the well being of the residence.

REC 480. Special Topics (1-3). Topics as demand warrants. [Lect/lab as appropriate. Rep with different topics.]

REC 480L. Special Topics Laboratory (1). Laboratory offering of recreation/leisure topics as demand warrants. [Rep with different topics.]

REC 482. Internship in Recreation (2-7). Supervised experience. Apply academic understanding

to a functioning recreational agency. [Prereq: REC 200, REC 210, REC 220, REC 302, REC 320, REC 420, REC 485; or IA. Rep up to 7 units.]

REC 485. Senior Seminar – Majors (3). Senior majors apply knowledge/skills to professional problems. Specific professional development projects. [Prereq: REC 200, REC 210, REC 220, REC 302, REC 320, REC 420; or IA.]

REC 495. Directed Field Experience (1-6). Under supervision of HSU staff. [Prereq: IA and junior/senior standing. Rep.]

REC 499. Directed Study (1-6). Supervised by faculty. Provides depth to specific areas of student's professional development. [Prereq: junior/senior standing. Rep.]

Religious Studies

LOWER DIVISION

RS 105. World Religions (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. [DCG-n. GE.]

RS 107. Religion in America (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. [GE. DCG-d.]

RS 120. Exploring Religion (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.

UPPER DIVISION

RS 300. Living Myths (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. [GE.]

RS 304. Cultural & Religious Heritage of Africa (3). Study the cultural heritage of Africa through the themes of religion (traditional, Islam, Christianity), arts (music, dance, drums, cultural access), multi-linguism, language and cultural identity, and the oral tradition. [Rec: completion of lower division general education. DCG-n. GE.]

RS 320. Sacred Texts: Hebrew Bible (3). "Old Testament" books, including Deuterocanonical works. Jewish, Christian, Islamic, and humanist perspectives. Exegesis; hermeneutics; historical-critical and literary views of texts.

RS 321. Sacred Texts: New Testament (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.

RS 322. Sacred Texts: Buddhist Texts (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.

RS 323. Sacred Texts: Hindu Texts (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.

RS 330. Introduction to Judaism (3). Survey of religious Judaism: from orthodoxy to reform. Meanings of Jewish life-cycle events, holiday and calendar rituals, history and sacred literature.

RS 331. Introduction to Christianity (3). Doctrinal developments; literature; rites and rituals; history (including development of major branches). Issues of modernity and postmodernity (could include feminist perspectives, interreligious dialog).

RS 332. Introduction to Islam (3). Beliefs, institutions, sacred literature, history. Life of Muhammad, development of tradition in classical period, issues in modernity.

RS 340. Zen, Dharma & Tao (3). Confucianism, Taoism, Shinto, and major forms of Buddhism in China and Japan. [DCG-n.]


RS 341. Spiritual Traditions of India (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.

RS 342. Buddhism in India and Tibet (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.

RS 345. T'ai Chi Ch'üan (Taijiquan) (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. [CR/NC.]

RS 351. Shamanism and Prophecy (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.

RS 360. Religion & Psychology (3). Religious nature of human development. Concepts such as religious impulse, meaning, and soul explored from religious and psychological perspectives.

 **RS 361. Consumerism & (Eco)Spirituality** (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.

RS 362. Wisdom & Craft (3). How persons communicate their spiritual wisdom, their awareness of living connectedness and place in the cosmos, through everyday tasks of crafting creative work.

Compare/contrast traditions (Amish, Navaho, Shaker, etc.).

RS 364. Cinema & the Sacred (3). Studies "Movies" treatment of religion in their themes, content, and mythological underpinnings, and religious phenomenon through cult films, screen idols, and theatre as modern mythological temple.

RS 390. Seminar in Religious Studies (1-4). New dimensions. [Rep.]

RS 391. Religion in Tradition: Special Topics (3). Topics within religious tradition(s) with thematic focus or tradition overview. [Rep with different topics.]

RS 392. Sacred Literature: Special Topics (3). Survey selected works of sacred literature in Eastern or Western religious traditions. [Rep with different topics.]

RS 393. Religion in Myth, Culture & Experience: Special Topics (3). Thematic and/or comparative examination. [Rep with different topics.]

RS 394. Religious Studies Workshop (1-3). Experiential learning (participation). Topics vary. Focus is intensive, short term. [Prereq: IA. CR/NC. Rep.]

RS 395. Senior Seminar (3). Capstone for major. Professor determines thematic focus. Culminating project applies research skills, critical and experiential reflection, and methodologies within the discipline. [Prereq: completed 27 units required for the major.]

RS 399. Directed Study (1-3). Independent study of topic under supervision. Provides depth to specific area of student's development. [Rep.]

Science

UPPER DIVISION

SCI 331. Fundamental Science Concepts for Elementary Education (3). Fundamental principles in physical science with an emphasis on building conceptual understanding. Intended for students preparing to teach at the elementary school level. [Prereq: completed lower division GE science and math. MATH 308B (C).]

SCI 431. Nature and Practice of Science for Elementary Education (3). Explore the nature and practice of science, including an examination of relationships among the various fields of science and other subjects including history. [Prereq: SCI 331 and MATH 308C (C).]

SCI 480. Selected Topics in Science (.5-4). Student preparations typically required. Topic and mode of instruction depend on availability of faculty and facilities. [Prereq: upper division or grad standing and IA. Rep.]

GRADUATE

SCI 698. Graduate Colloquium in Environmental Systems (1-3). [Rep.]

Secondary Education

LOWER DIVISION

SED 210. Early Fieldwork Experience in Schools (1). Field experience with secondary school pupils. Observe a minimum of 45 hours under supervision and keep log. [Coreq: SED 410. Hours arranged with education office. Meets prior fieldwork experience admission requirement for education credential programs.]

UPPER DIVISION

SED 410. Observation & Participation Seminar (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. [Rep twice in different assignments.]

CREDENTIAL/LICENSURE

SED 701. Selected Topics in Secondary Teaching (.5-3). [Rep with different topics.]

SED 702. Basic Counseling Skills for Teachers (1). Workshop for credential candidates and educators focusing on the development of strong and healthy communication for their students. [CR/NC. Rep once.]

SED 703. Conflict Management for Teachers (1). Workshop for credential candidates and educators focusing on utilizing conflict management skills for resolving conflict with children and adolescents. [CR/NC. Rep once.]

SED 705. Middle School Methods – Theory (1). This course explores issues specific to teaching middle school adolescents including the middle school philosophy, adolescent physical and social development, successful models of classroom management, and lesson planning for this population of students.

SED 706. Middle School Methods – Application (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 effective strategies for teaching middle school students during their student teaching semester. [Rep once.]

SED 708. Teacher Performance Assessment (1). This course is designed to provide support for the completion of the Performance Assessment for California Teachers teaching event during full-time student teaching. [Prereq: admitted to SED credential program.]

SED 709. PACT Support (1). This course is designed to provide support for the completion of the Performance Assessment for California Teachers teaching event during full-time student teaching. [Prereq: admitted to SED credential program.]

SED 711. Nonviolent Crisis Intervention (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. [Prereq: admission to SED credential program or IA. CR/NC.]

SED 712. Teaching & Learning in Secondary Schools (2). Development of student understanding; curriculum development (unit goals, lesson plans, assessment); multicultural perspectives in teaching and learning; philosophy of teaching. [Prereq: SED 714 (C).]

SED 713. Classroom Management (1). Focus on a variety of methodologies for creating and managing a classroom community.

SED 714. Educational Psychology (2.5). Physical, social, moral, and cognitive development of the adolescent; social and family issues; learning theories, motivation, and assessment.

SED 715. Multicultural Education (2). Equity and diversity. Ethnicity and race; gender, exceptionality, social class, sexual orientation, language, religion.

SED 717. Service Learning in a Multicultural Setting (1). Develop skills teaching diverse youth through direct experience and education programs. Understand components of service learning pedagogy. [Prereq: admitted to SED credential program and SED 715 (C). CR/NC.]

SED 730. Bilingual/ELD Theory & Methods (2). Theory and methodologies of teaching bilingual and English-language-development students. [Prereq: admitted to SED credential program.]

SED 731. Secondary Curriculum Instruction: Art (2). Methods and resources for teaching all areas of art.

SED 733. Secondary Curriculum Instruction: English/Language Arts (2). Methods and resources for teaching all areas of English/language arts.

SED 734. Secondary Curriculum Instruction: Modern Language (2). Methods and resources for teaching all areas of a modern language.

SED 736. Secondary Curriculum Instruction: Industrial Technology (2). Methods and resources for teaching all areas of industrial technology.

SED 737. Secondary Curriculum Instruction: Math (2). Methods and resources for teaching all areas of math.

SED 738. Secondary Curriculum Instruction: Music (2). Methods and resources for teaching all areas of music.

SED 739. Secondary Curriculum Instruction: Physical Education (2). Methods and resources for teaching all areas of physical education.

SED 740. Secondary Curriculum Instruction: Science (2). Methods and resources for teaching all areas of science.

SED 741. Secondary Curriculum Instruction: Social Studies (2). Methods/resources for teaching all areas of social studies.

SED 743. Content Area Literacy (2). Supervised practice developing/selecting strategies, materials, and procedures that promote reading growth through secondary school classes. [Prereq: established candidacy in SED credential program, concurrent enrollment in fieldwork or student teaching, or IA.]

SED 744. Secondary Seminar: Art (1). Common problems, strategies, and practical applications related to student teaching art, such as preparing for the opening/closing of school. [Prereq: admitted to SED credential program.]

SED 746. Secondary Seminar: English (1). Common problems, strategies, and practical applications related to student teaching English/language arts, such as preparing for the opening/closing of school. [Prereq: admitted to SED credential program.]

SED 747. Secondary Seminar: Modern Language (1). Common problems, strategies, practical applications related to student teaching language, such as preparing for opening/closing of school. [Prereq: admitted to SED credential program.]

SED 749. Secondary Seminar: Industrial Technology (1). Common problems, strategies, and practical applications related to student teaching industrial technology, such as preparing for the opening/closing of school. [Prereq: admitted to SED credential program.]

SED 750. Secondary Seminar: Math (1). Common problems, strategies, and practical applications related to student teaching math, such as preparing for the opening/closing of school. [Prereq: admitted to SED credential program.]

SED 751. Secondary Seminar: Music (1). Common problems, strategies, and practical applications related to student teaching music, such as preparing for the opening/closing of school. [Prereq: admitted to SED credential program.]

SED 752. Secondary Seminar: Physical Education (1). Common problems, strategies, and practical applications related to student teaching physical education, such as preparing for the opening and closing of school. [Prereq: admitted to SED credential program.]

SED 753. Secondary Seminar: Science (1). Common problems, strategies, and practical applications related to student teaching science, such as preparing for the opening/closing of school. [Prereq: admitted to SED credential program.]

SED 754. Secondary Seminar: Social Studies (1). Common problems, strategies, and practical applications related to student teaching social studies, such as preparing for the opening/closing of school. [Prereq: admitted to SED credential program.]

SED 755. Content Literacy Applications (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 literacy-related strategies during their student teaching semester. [Rep once.]

SED 756. Bilingual/ESL Theory & Methods Seminar (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. [Rep once.]

SED 762. Supervised Fieldwork in Student Teaching (1-3). Field experience integrated with secondary curriculum instruction (SED 731-741). Under supervision, observe secondary school classrooms (minimum 45 hrs per credit unit); keep log; perform assignments from secondary curriculum instruction. [Prereq: admitted to SED credential program.]

SED 763. Intersession Participation & Student Teaching (1). Participation/beginning teaching between end of HSU first semester and end of public school first semester. [Prereq: admitted to SED credential program.]

SED 764. Student Teaching/Secondary Education (6). Teach full time (mornings) in departmentalized secondary classes under supervision of HSU and cooperating public school teachers. [Prereq: admitted to SED credential program.]

SED 765. Student Teaching/Secondary Education (6). Teach full time (afternoons) in departmentalized secondary classes under supervision of HSU and cooperating public school teachers. [Prereq: admitted to SED credential program.]


SED 766. Intersession Student Teaching (1). Generally from the close of HSU spring semester until the close of public school second semester. [Prereq: admitted to SED credential program.]


SED 776. Teaching in Inclusive Classrooms (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. [Prereq: a teaching credential or acceptance into a teacher credential program and concurrently enrolled in student teaching fieldwork classes.]

SED 799. Directed Study (1-4). Independent study; problems, issues, and/or practical applications. [Prereq: IA. Rep.]

Social Work

LOWER DIVISION

 **SW 104. Introduction to Social Work & Social Work Institutions** (3). Central ideas, values, and methods from perspectives of historical background and contemporary fields of service. Emphasis: human diversity. [DCG-d. GE.]

 **SW 255. Beginning Social Work Experience** (2). Beginning experience in social service. Acquire skills and develop understanding of social work ethics, values, and roles in a diverse society. 80-minute weekly seminar; 60 hrs volunteer work per semester.

UPPER DIVISION

SW 330. Social Work Policy (4). Development, formation, implementation. Critical perspective. Analyze major social legislation and develop strategies for improving policies and services. [Prereq: SW major.]

SW 340. Social Work Methods I (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. [Prereq: SW major. Coreq: SW 340L.]


SW 340L. Social Work Methods I Lab (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. [Coreq for SW students: SW 340.]

SW 341. Social Work Methods II (3). Expand understanding of generalist method. Emphasis on work with organizations, communities, policy, and society. [Prereq: SW major. Coreq: SW 341M.]

SW 341M. Social Work Methods II Lab (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. [Coreq for SW students: SW 340.]

SW 350. Human Behavior & the Social Environment I (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. [Prereq: SW major.]

SW 351. Human Behavior & the Social Environment II (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. [Prereq: SW major.]

 **SW 355. Social Agency Experience** (2). Exposure to human service agency settings and processes. Organizational context for social work. 80-minute seminar weekly; 60 hours volunteer work per semester. [Prereq: SW major with junior standing.]

SW 356. Social Work Field Preparation (1). Lab to prepare senior field experience. [Prereq: SW major with junior standing. Weekly: twice for 2 hrs. Rep once.]

SW 382. Social Work Research (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. [Prereq: SW major.]

SW 411. Distributed Learning Community – BA (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 experi-

ences 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. [CR/NC. Rep once.]

SW 420. Decolonizing Social Work with Indigenous Communities (1.5). Prepares students to understand and support Indigenoussness and Sovereignty (Self-Determination). Promotes awareness of colonization and decolonization processes affecting Indigenous Peoples and how social workers can participate in solutions affecting them. [Rep twice.]

SW 431 / CRIM 431. Juvenile Delinquency (4). Contemporary knowledge. Community response; prevention; rehabilitation.

SW 442. Special Issues in Social Work Methods (3). Practice-oriented topics, such as work with particular populations (aged, children) or practice orientations (mental health, medical social work). [Prereq: junior standing. Rep.]

SW 455. Field Experience (5). Two-semester sequence. Develop/apply generalist work skills through guided experience in a social service agency. Supervised by experienced agency field instructor. Weekly: 15 hrs structured agency practice. [Prereq: SW major with senior standing. Coreq: SW 456. Rep once.]

SW 456. Field Experience Seminar (2). Integrate theory and practice. Learn community resources, monitor progress in the agency. Process experiences on practical, conceptual, and ethical levels. [Coreq: SW 455. CR/NC. Rep once.]

SW 459. Child Welfare Training Seminar (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. [Prereq: SW major and acceptance into Title IVE BASW Child Welfare Training Stipend Program. Rep.]

SW 480. Special Topics (.5-4). Department course schedule has topics. [Rep.]

SW 494. Social Work Workshop (1-3). Experiential learning through participation. Topics vary across social issues and social work interests. Focus often intensive and short-term. [CR/NC. Rep.]

SW 499. Directed Study (1-3). Independent study of defined problems through library and/or field research. [Prereq: IA. Rep.]

GRADUATE

SW 511. Distributed Learning Community – Foundation (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. [CR/NC. Rep.]

SW 530. Social Policy & Services (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. [Prereq: MSW program admission.]

SW 540. Generalist Social Work Practice (3). Applies knowledge and skills for generalist practice guided by the values of social justice and empowerment. Includes skill building lab. [Prereq: MSW program admission.]

SW 541. GSWP: Native American & Rural (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. [Prereq: MSW program admission.]

SW 543. GSWP II: Macro Practice (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. [Prereq: MSW program admission. Rep once.]

SW 550. Human Development, Diversity & Relations (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. [Prereq: MSW program admission.]

SW 555. Foundation Internship (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. [Prereq: complete first year foundation coursework (C). CR/NC. Rep once.]

SW 559. Child Welfare Training Seminar (1.5). A required component of the Title IVE stipend program. Focus is on foundational competencies for practice in child welfare. [Prereq: MSW program admission and stipend recipient. CR/NC. Rep once for credit.]

SW 570. Dynamics of Groups, Agencies, Organizations (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. [Prereq: MSW program admission.]

SW 580. Special Topics (1-3). Department course schedule has topics. [Prereq: MSW program admission. Rep.]

SW 581. SW Research for Advanced Standing (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. [Prereq: admission into the Advanced Standing MSW program. Rep twice.]

SW 582. Research I: Philosophy & Methods (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. [Prereq: MSW program admission.]

SW 583. Research II: Data Analysis & Evaluation (3). This course is the second of two research courses designed to help 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 the research proposal they created in the first research course. Students develop skills to conduct research, gather data, analyze data, present findings, and write research reports. Students will continue to develop research evaluation skills. [Prereq: SW 582 and MSW program admission. Rep 3 times.]

SW 599. Independent Study (1-3). Directed study of problems/issues or special theoretical/analytical concerns. [Prereq: MSW program admission.]

SW 611. Distributed Learning Community – Advanced (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. [CR/NC. Rep.]

SW 640. AGP: Child & Family Welfare (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. [Prereq: complete first year foundation coursework.]

SW 641. AGP: Integrated Clinical Practice (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. [Prereq: complete first year foundation coursework.]

SW 643. AGP: Community & Organization (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. [Prereq: complete first year foundation courses.]

SW 648. AGP: Advanced Clinical Practice (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. [Prereq: complete first year foundation coursework.]

SW 649. AGP: Wellness & Sustainability (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. [Prereq: complete first year foundation coursework.]

SW 651. AGP: Indigenous Peoples (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. [Prereq: complete first year foundation coursework. Rep once.]

SW 655. Advanced Internship (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. [Prereq: complete first year foundation coursework. CR/NC.]

SW 658. Mental Health Training Seminar (1.5). A required component of the mental health stipend program. Focuses on advanced competencies for practice in mental health settings. [Prereq: complete foundation coursework and current stipend recipient. CR/NC. Rep once for credit.]

SW 659. Advanced Child Welfare Training Seminar (1.5). A required component of the Title IV-E stipend program. Course addresses advanced competencies in child welfare practice. [Prereq: complete foundation coursework and current stipend recipient. CR/NC. Rep once for credit.]

SW 680. Seminar in Social Work Topics (1-3). Department course schedule has topics. [Rep.]

SW 682. Masters Project Development (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. [Prereq: MSW program admission. Rep 3 times. CR/NC.]

SW 683. Masters Project Implementation (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. [Prereq: SW 682. CR/NC.]

SW 699. Independent Study (1-3). Directed study of problems/issues or special theoretical/analytical concerns. [Prereq: IA. Rep.]

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.

LOWER DIVISION

SOC 104. Introduction to Sociology (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. [GE.]

SOC 113. Sociology Skills Development (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. [Coreq: SOC 104 EOP.]

SOC 201S. Social Issues & Action (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.

SOC 280. Special Topics (1-4). Pressing social issues and popular topics. [Rep.]

SOC 282L. Sociological Statistics Lab (1). Application of statistics knowledge. Skills training in SPSS quantitative data analysis. [Prereq: STAT 108 (C) with a passing grade of C.]

UPPER DIVISION

SOC 302. Forests & Culture (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.* [GE.]

SOC 302M. Forests & Culture for Majors (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. [Coreq: SOC 302.]

SOC 303. Race & Inequality (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.* [DCG-d. GE.]

SOC 303M. Race & Inequality for Majors (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. [Coreq: SOC 303.]

SOC 305. Modern World Systems (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.* [GE.]

SOC 305M. Modern World Systems for Majors (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. [Coreq: SOC 305.]

SOC 306. The Changing Family (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.* [DCG-d. GE.]

SOC 306M. The Changing Family for Majors (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. [Coreq: SOC 306.]

SOC 308. Sociology of Altruism & Compassion (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.* [GE.]

SOC 308M. Sociology of Altruism & Compassion for Majors (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. [Coreq: SOC 308.]

SOC 310. Sociological Theory (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.

SOC 316 / WS 316. Gender and Society (4). 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. [DCG-d.]

SOC 320. Social Ecology (4). Examines the dynamics of the ecosystem and society. Emphasis on exploring the ecological crisis, theoretical perspectives on nature, conservation, and sustainability.

SOC 330. Social Deviance (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.

SOC 345. New Media & Society (4). Facebook, Twitter, blogs, video games, cell phones, text messages — race, class, gender, and nation shape and are shaped by their use, with implications for communities, democracy, inequalities, privacy, and social change.

SOC 350. Social Movements (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.

SOC 363. Environmental Crime (4). Application of criminal justice to the surrounding natural

environment from legal, ethical, and social perspectives.

SOC 370. Environmental Inequality and Globalization (4). Examines environmental justice and environmental inequality on a global level and their implications for communities and nation states.

SOC 372. Proseminar (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. [Open to sophomores and juniors. CR/NC.]

SOC 382. Introduction to Social Research (4). Theoretical principles, ethical issues, and common techniques for designing and implementing qualitative and quantitative social science research. [Prereq: STAT 108 and SOC 282L (C) with a grade of C or higher.]

SOC 410. Contemporary Social Theory (4). 20th century theories: functionalism, conflict, interactionism, exchange, structural, phenomenological, existential, interpretive, and critical.

SOC 411. Popular Culture (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. [Prereq: SOC 310 or equivalent theory (C).]

SOC 420. Social Change (4). Sociopolitical and economic change examined across geographic space and time. Social, economic, and political dimensions of globalization issues. [Prereq: SOC 104.]

SOC 430. Criminology (4). Theories; administration of criminal justice; correctional practices in prisons and community treatment programs [probation, parole].

SOC 475. Community Organizing (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.

SOC 480. Special Topics (1-4). Pressing social issues and popular topics. [Prereq: junior or senior standing. Rep.]

SOC 482. Internship (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. [Prereq: SOC 372, SOC 382, SOC 310 (for SOC majors) or CRIM 325 (for CJS majors).]

SOC 492. Senior Thesis (3). Design and carry out original empirical research or extensive review of literature. Proposal due in semester before enrollment to receive permission number. [Prereq: SOC 310, SOC 372, SOC 382, SOC 410 (C).]

SOC 494. Sociology Workshop (1-4). Pressing social issues and popular topics. Focus intensive and short-term. May not be counted toward major. [CR/NC. Rep.]

SOC 499. Directed Study (1-4). Independent study of problems/issues or special theoretical/analytic concerns. [Prereq: IA. Rep.]

GRADUATE

SOC 530. Individual & Society (4). Relationships between self-identity and social interaction; socio-cultural context. Gender, class, racial, biographical, and social influences on identity.

SOC 535. Dispute Resolution (4). Theoretical/philosophical issues. Mediation process, strategies, and techniques, particularly for public policy and environmental mediation. Design a dispute resolution process to address a particular conflict. [Prereq: grad standing.]

SOC 550. Social Structure & Inequality (4). Explore patterned relationships, norms, systems, and institutions that constitute the social structure and its relationship to inequalities and justice. Consider dynamics between particular structures and individual and group action.

SOC 560. Teaching Sociology (2). Explore pedagogy, theories of learning, teaching techniques, and issues in sociology classrooms. Develop teaching philosophy and portfolio in relation to own teacher identity.

SOC 583. Quantitative Research Methods (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. [Prereq: STAT 108 and SOC 382, or equivalents.]

SOC 584. Qualitative Research Methods (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. [Prereq: SOC 382 or equivalent.]

SOC 590. Practicing Sociology (1). Introduces students to the field of sociological practice. Attention to ethics, professionalization & client-based work. Support for student field placements. [Rep 3 times.]

SOC 595. Teaching Assistantship (2). Assist instructor of record in teaching an undergraduate course. Required for MA students emphasizing teaching experience. [IA. Rep.]

SOC 610. Contemporary Social Theory (4). 20th century theories: functionalism, conflict, interactionism, exchange, structural, phenomenological, existential, world systems, and critical.

SOC 650. Race, Ethnicity & Gender (4). Causes, processes, theoretical explanations of racism, sexism, discrimination. Possible solutions. Intergroup relations from global perspective.

SOC 680. Seminar in Sociological Topics (1-4). [Rep.]

SOC 682. Teaching Internship (1-3). Students emphasizing teaching may apply. If selected, a student is supervised by a faculty mentor. Supervising faculty member monitors and mentors intern. [Prereq: SOC 560, SOC 595, IA.]

SOC 683. Advanced Research Training (4). Supervised work in an ongoing faculty research project. Theory construction, research planning, data collection, analysis. [Prereq: SOC 583. Rep.]

SOC 690. Master's Degree Thesis (1-5). See Graduate Program Manual. [CR/NC. Rep.]

SOC 692. Master's Degree Project (1-5). See Graduate Program Manual. [CR/NC. Rep.]

SOC 699. Independent Study (1-4). Directed study of problems/issues or special theoretical/analytic concerns. [Prereq: IA. Rep.]

Soils

LOWER DIVISION

SOIL 260. Introduction to Soil Science (3). Soil's physical, chemical, and biological properties. Implications for land management. Identify soil parent materials; use soil survey reports. [Prereq: CHEM 107 or CHEM 109 or IA. Weekly: 2 hrs lect, 3 hrs lab.]

SOIL 285 / RRS 285. Wildland Soils Seminar (1). Current topics in wildland resources (range & soils) assigned, presented, and discussed. Guest presentations from practicing professionals & scientists. Student oral & written presentations required. [Rep once.]

UPPER DIVISION

SOIL 360. Origin & Classification of Soils (3). Factors of soil genesis; their interactions. Soil morphology/description; classification, emphasizing wildland soils. [Prereq: SOIL 260 or equivalent. Weekly: 2 hrs lect, 3 hrs lab.]

SOIL 363. Wetland Soils (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. [Prereq: SOIL 260 or equivalent. Rec: SOIL 360. Weekly: 2 hrs lect, 3 hrs lab.]

SOIL 460. Forest & Range Soils Management (3). Soil interpretations for forest, range, and recreational use of wildlands. Soil properties affecting such interpretations. Soil fertility management on wildlands. [Prereq: SOIL 260 or equivalent. Weekly: 2 hrs lect, 3 hrs lab.]

SOIL 461. Forest Soils Capstone (1). Research a forest soils problem, complete a project, write a report, and give a public presentation. Demonstrate breadth and depth of knowledge, ability to integrate knowledge, adaptability, and critical thinking. [Coreq: SOIL 460.]

SOIL 462. Soil Fertility (3). Methods of evaluating/managing soil fertility; nutrient availability and cycling in terrestrial ecosystems; soil test methods and interpretation of results. [Prereq: CHEM 107 or CHEM 109, CHEM 110, CHEM 328, SOIL 260; or IA.]. Weekly: 2 hrs lect, 3 hrs lab. Offered alternate years.]

SOIL 465. Soil Microbiology (3). Interrelationships between soil, microorganisms, and plants, especially in context of wildland soils. Isolate/

identify microorganisms. [Prereq: SOIL 260 or equivalent, and BIOL 105. Weekly: 2 hrs lect, 3 hrs lab. Offered alternate years.]

SOIL 467. Soil Physics (3). State/transport of matter and energy in soil; physical processes governing soil/water energy relationships. [Prereq: SOIL 260 or equivalent, and PHYX 106 or PHYX 109; or IA. Weekly: 2 hrs lect, 3 hrs lab. Offered alternate years.]

SOIL 468. Introduction to Agroforestry (3). Objectives and socioeconomic contexts. Multipurpose tree species; soil/tree/crop/livestock interactions; soil conservation; soil fertility effects. [Prereq: BOT 105 and SOIL 260 or equivalent.]

SOIL 480. Selected Topics (1-3). Lecture as appropriate. [Rep with different topics.]

SOIL 485. Senior Seminar (1-2). Topics of current interest. Lectures, guest speakers, discussions, and/or student presentations. [Prereq: junior or senior standing or IA. Rep.]

SOIL 499. Directed Study (1-3). Individual research/project. [Prereq: IA. Rep.]

GRADUATE

SOIL 685. Seminar (1-2). Topics of current interest. Lectures, guest speakers, discussions, and/or student presentations. [Prereq: grad standing or IA. Rep.]

Spanish

LOWER DIVISION

SPAN 105. Spanish Language & Culture I (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. [Coreq: SPAN 105L. Does not meet lower division GE requirements.]

SPAN 105L. Spanish Laboratory Level I (1). Must be taken with SPAN 105. Self-directed, subscription-based online language course. [Coreq: SPAN 105.]

SPAN 106. Spanish Language & Culture II (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. Coreq: SPAN 106L. GE Area C-LD.]

SPAN 106L. Spanish Laboratory Level II (1). Must be taken with SPAN 106. Self-directed, subscription-based online language course. [Coreq: SPAN 106.]

SPAN 107. Spanish Language & Culture III (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. Coreq: SPAN 107L. DCG-n. GE Area C-LD.]

SPAN 107L. Spanish Laboratory Level III (1). Must be taken with SPAN 107. Self-directed,

subscription-based online language course. [Coreq: SPAN 107.]

SPAN 108. Level III Heritage Speakers (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. [Prereq: near-native speaking ability in Spanish, confirmed by personal interview with instructor. GE Area C-LD. DCG-n.]

SPAN 108S. Level III Heritage Speakers (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. [Prereq: native speaking ability in Spanish, confirmed by a personal interview with instructor. DCG-n. GE Area C-LD.]

SPAN 207. Spanish Language & Culture IV (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. Coreq: SPAN 207L. DCG-n.]

SPAN 207L. Spanish Laboratory Level IV (1). Must be taken with SPAN 207. Self-directed, subscription-based online language course. [Coreq: SPAN 207.]

SPAN 208. Level IV Heritage Speakers (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. [Prereq: SPAN 108; near-native speaking ability in Spanish, confirmed by personal interview with instructor. DCG-n.]

SPAN 208S. Level IV Heritage Speakers (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. [Prereq: native speaking ability in Spanish, confirmed by a personal interview with instructor. DCG-n.]

SPAN 250. Intermediate Spanish Conversation (1-4). Everyday language, including idioms, gestures, context-specific vocabulary. Conversation topics chosen from newspapers, text, video. [Prereq: SPAN 106 or IA. Rep.]

SPAN 280. Lower Division Weekend Retreat/Seminar (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. [Prereq: completed Spanish level II or IA. Rep.]

UPPER DIVISION

SPAN 306 / FREN 306 / GERM 306 / WS 306. Sex, Class & Culture: Gender & Ethnic Issues in International Short Stories (3). Gender and ethnic issues in French, German, and Spanish short stories by and about women. Readings, lectures, and discussions entirely in English. [Rep. DCG-n. GE.]

SPAN 308S. Introduction to Translation & Interpretation (3). Apply theoretical and practi-

cal 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. [Prereq: at least one of the following: native or near native Spanish proficiency; 5 semesters of college-level Spanish or equivalent; or IA. Rep once. DCG-d. GE Area C-UD.]

SPAN 310. Spanish Advanced Oral Skills (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).]

SPAN 311. Spanish Level V, Advanced Grammar & Composition (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. [Prereq: SPAN 207 or equivalent, or IA.]

SPAN 313. Spanish Peer Tutoring (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. [Prereq: SPAN 310 and SPAN 311, or IA. Rep up to 4 units total.]

SPAN 315S. Field Experience: Teaching Spanish as a Second Language (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. [Prereq: at least one of the following: native or near native Spanish proficiency, 5 semesters college-level Spanish or equivalent, or IA. Rep up to 8 units total.]

SPAN 325. Grammar: Regional Studies (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. [Prereq: SPAN 107 or SPAN 108S, minimum of three semesters of college-level Spanish language instruction or equivalent. Rep twice.]

SPAN 335. Reading & Writing: Regional Studies (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. [Prereq: SPAN 107 or SPAN 108S, minimum of three semesters of college-level Spanish language instruction or equivalent. Rep twice.]

SPAN 340. Introduction to the Analysis of Hispanic Literature (4). Relation to literary problems in general. Functions and elements, literary periods, genres, trends, movements; historical context. Required of majors prior to any upper division literature courses. [Prereq: SPAN 207 or IA.]

SPAN 342. Cervantes (4). Don Quixote and/or Cervantes' other works. His development as man and writer within the framework of his time. [Prereq: SPAN 340 or IA.]

SPAN 343. The Golden Age (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. [Prereq: SPAN 340 or IA.]

SPAN 344. Modern Hispanic Theater Workshop (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). [Prereq: SPAN 340 or IA.]

SPAN 345. Hispanic Cinema (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. [Prereq: SPAN 340 or IA.]

SPAN 346. Borges & the Contemporary Spanish American Short Story (4). Borges' short stories as pre-texts of Spanish American modern narrative literatures. May include works from Cortazar, Rulfo, Valenzuela, Lynch, others. [Prereq: SPAN 340 or IA.]

SPAN 347. The "Boom" of the Latin American Novel (4). Magic realism; the fantastic; self-conscious fiction. Garcia Marquez, Vargas Llosa, Fuentes, Sabato. Innovative structure, mass media techniques, linguistic play. [Prereq: SPAN 340 or IA.]

SPAN 348. Contemporary Hispanic Poetry (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. [Prereq: SPAN 340 or IA.]

SPAN 349. Contemporary Spanish Novel (4). Tremendismo, behaviorism, alienation, ironic and social realism. Cela, Delibes, Martin Santos, Ferlso. Relationship between the novel and political/social conditions; problem of censorship. [Prereq: SPAN 340 or IA.]

SPAN 355. Hispanic Civilization: Regional Studies (1-4). Chronological presentation of culture, pre-Columbian to present day, with special emphasis on host country's culture. Students visit relevant historical and cultural sites. [Prereq: SPAN 107 or SPAN 108S, minimum of three semesters of college-level Spanish language instruction or equivalent. Rep twice.]

SPAN 365S. Field Experience: Regional Studies (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. [Prereq: SPAN 107 or SPAN 108S, minimum of three semesters

of college-level Spanish language instruction or equivalent. Rep twice.]

SPAN 396. International Latino Film Seminar (1). This seminar presents and discusses three films from the Hispanic world, in Spanish with English subtitles. [CR/NC. Rep 3 times.]

SPAN 401. Hispanic Civilization: Spain (4). Social, political, and cultural evolution from origins of Spanish nation to present day. [Prereq: SPAN 207 or IA.]

SPAN 402. Hispanic Civilization: Latin America (4). Chronological presentation of culture, pre-Columbian to present day. [Prereq: SPAN 207 or IA.]

SPAN 408S. Field Experience: Translation and Interpretation (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. [Prereq: SPAN 308S or IA. Rep up to 4 units total.]

SPAN 435. Spanish Applied Linguistics (4). Elementary principles of linguistics; their application to Spanish. Difficulties of syntax, morphology, and phonology from an English-speaker's point of view. [Prereq: SPAN 311 or IA.]

SPAN 480. Undergraduate Seminar (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. [Prereq: SPAN 340 or IA. Rep.]

SPAN 492. Senior Project (3). Research paper treating a topic related to language, literature, or culture. Individual guidance by faculty member. Required for degree in Spanish. [Prereq: senior standing.]

SPAN 499. Directed Study (1-4). Hours TBA. [Rep.]

Special Education

CREDENTIAL/LICENSURE

SPED 652. Advanced Studies in Assessment & Instruction (3). Advanced topics. Conduct comprehensive assessment, instruction, and evaluation project.

SPED 653. Advanced Studies in Consultation, Collaboration & Transition (3). Advanced topics for helping students with mild-to-moderate disabilities.

SPED 654. Advanced Behavioral, Emotional & Environmental Supports (3). Advanced topics. Conduct comprehensive assessment, instruction, and evaluation project.

SPED 702. Foundations of General and Special Education (3). Foundations of general and special education instruction, overview of instructional techniques and curricula, factors affecting instruction, principles of assessment, trends and issues. [Prereq: EDUC 377 and admission to SPED program, or IA. (C).]

SPED 703. Foundations of Assessment & Program Planning (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 an individual education program.

SPED 705. Multicultural Special Education (2). Historical, legal, philosophical, and theoretical foundations of general and special education in a diverse society. Emphasis on cross-cultural language and academic development. [Prereq: EDUC 377 and admission to SPED program, or IA. (C).]

SPED 706. Applied Behavior Analysis for Teachers (3). Basic concepts of applied behavior analysis, development of individual positive behavior support plan, and implementation of behavior management strategies in classroom settings. [Prereq: EDUC 377 and admission to SPED program, or IA. (C).]

SPED 707. Curriculum & Instruction – Reading & Language Arts (3). Instruction to language arts methods in general and special education. Foundations, assessment, instruction intervention, and curricular choices for special populations. [Prereq: EDUC 377 and admission to SPED program, or IA. (C).]

SPED 708. Practicum – Reading & Language Arts (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. [Prereq: SPED 707 (C). CR/NC.]

SPED 709. Curriculum & Instruction – Math (2). Introduction to mathematics methods in general and special education; Foundations, assessment, instructional interventions, and curricular choices for special populations. [Prereq: EDUC 377 and admission to SPED program, or IA. (C).]

SPED 710. Practicum: Math Instruction (1). Guided observations and closely supervised beginning fieldwork experiences in exemplary general and special education settings; curriculum, instruction, and assessment in Mathematics. [Prereq: SPED 709 (C). CR/NC.]

SPED 711. Curriculum & Instruction – Science, History, and Social Science (1). Introduction to science and social studies methods in general and special education; Foundations, assessment, instructional interventions, and curricular choices for special populations. [Prereq: EDUC 377 and admission to SPED program, or IA. (C).]

SPED 721. Transition Planning (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. [Prereq: admission to SPED program.]

SPED 722. Autism Intervention Strategies (2). An in-depth examination of issues and practices related to intervention strategies for students with Autism. [Prereq: admission to SPED program and IA.]

SPED 731. Classroom Management (1). Credential candidates in special education learn a

variety of skills and techniques to manage student behavior and create a positive learning environment. [Prereq: admission to SPED program, or IA.]

SPED 733. Special Education Policies & Procedures (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. [Prereq: EDUC 377 and admission to SPED program, or IA (C).]

SPED 734. Student Teaching – Elementary Special Education (5). Supervised classroom practice teaching all subjects with small and large groups of Secondary age students with disabilities. Assessment, differentiated instruction, and evaluation experience with students in an Elementary school setting. [Prereq: admission to SPED program. CR/NC.]

SPED 735. Student Teaching – Secondary Special Education (5). Supervised classroom practice teaching all subjects with small and large groups of Secondary age students with disabilities. Assessment, differentiated instruction, and evaluation experience with students in a Secondary school setting. [Prereq: admission to SPED program. CR/NC.]

SPED 736. Curricular & Instructional Skills Seminar (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.

SPED 737. Non-Violent Crisis Intervention-Special Populations (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.

SPED 740. Assessment & Program Planning: Severe Disabilities (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. [Prereq: admission to SPED program. Coreq: SPED 741. Rep.]

SPED 741. Practicum: Assessment & Program Planning for Severe Disabilities (1). Supervised clinical experience with, and assessment of, children and youth with severe disabilities; individualized assessment, instruction, and evaluation of students with severe disabilities. [Prereq: admission to SPED program. Coreq: SPED 740. CR/NC. Rep.]

SPED 742. Curriculum & Differentiated Instruction: Severe Disabilities (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. [Prereq: admission to SPED program. Coreq: SPED 743. Rep.]

SPED 743. Practicum: Curriculum & Differentiated Instruction (1). Guided observations and supervised fieldwork in general and special

education settings; curriculum, and assessment in reading, math science, history, and social sciences for students with severe disabilities. [Prereq: admission to SPED program. Coreq: SPED 742. CR/NC. Rep.]

SPED 744. Communication Methods: Severe Disabilities (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. [Prereq: admission to SPED program. Coreq: SPED 745. Rep.]

SPED 745. Practicum: Communication Methods with Severe Disabilities (1). Guided observations and supervised fieldwork experiences in general and special education settings; curriculum and assessment in communication methods and social relationships for students with severe disabilities. [Prereq: admission to SPED program. Coreq: SPED 744. CR/NC. Rep.]

SPED 746. Movement & Specialized Health Care: Severe Disabilities (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. [Prereq: admission to SPED program. Coreq: SPED 747. Rep.]

SPED 747. Practicum: Movement & Specialized Health Care for Students with Severe Disabilities (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. [Prereq: admission to SPED program. Coreq: SPED 746. CR/NC. Rep.]

SPED 748. Student Teaching; Moderate to Severe Disabilities (8). Student-teaching fieldwork with students with moderate to severe disabilities. [Prereq: admission to SPED program. CR/NC.]

SPED 777 / EDUC 377. Education of Exceptional Individuals (2). Needs and characteristics of exceptional children. Current issues and trends in classroom management.

SPED 799. Directed Study (1-3). Individual study; staff direction. [Rep.]

Special Programs

LOWER DIVISION

SP 117. College Seminar (1). Information, skills, values, and attitudes helpful in becoming an active participant in the college learning process. Small group format. [Open only to students in their first or second semesters. Rep twice.]

SP 120. Freshman Seminar (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 HSU community and learn to balance life inside and outside the classroom to achieve academic success. [CR/NC. Open only to first-time freshmen.]

SP 121S. Issues in Community Volunteering (1). Volunteer roles, particularly in direct relationships. Issues appropriate to specific programs (e.g. foster youth, homelessness, senior citizens). May involve an HSU program and/or committees or campus governance. [Weekly: 4 hrs of workshops and direct service. CR/NC. Rep.]

SP 280. Special Topics (1-4).

UPPER DIVISION

SP 380. Selected Topics (1-4). [CR/NC. Rep.]

Statistics

Prerequisites: All statistics courses have prereqs. Thus, to be eligible to enroll in a statistics course, a student must have received a grade of C- or higher in the HSU courses listed as prereqs. In some lower division courses, a student may also satisfy the prereqs with an appropriate score on a mathematics placement exam.

Statistics courses are also listed under a variety of departmental prefixes. See BA 332, PSYC 241, PSYC 478, PSYC 588.

LOWER DIVISION

STAT 106. Introduction to Statistics for the Health Sciences (3) FS. Descriptive methods, elementary probability, binomial and normal distributions, confidence intervals, test of hypothesis, regression, ANOVA; computer methods using Minitab. [Prereq: math remediation completed or not required. Weekly: 2 hrs lect, 2 hrs lab. GE.]

STAT 108. Elementary Statistics (4) FS. Probability, relative frequency; measure of central tendency, variation, correlation; binomial and normal distributions; testing of hypotheses and estimation; linear regression. [Prereq: math remediation completed or not required. Weekly: 3 hrs lect, 2 hrs activ. GE.]

STAT 109. Introductory Biostatistics (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. [Prereq: MATH 113 or MATH 115 (may be concurrent with IA) or equivalent, or IA. Weekly: 3 hrs lect, 2 hrs activ. GE.]

STAT 280. Selected Topics in Statistics (1-3). Topics accessible to lower division students. [Prereq: IA. Lect/lab as appropriate. Rep.]

UPPER DIVISION

STAT 323. Probability & Statistics (4) F. Probability axioms; probability distributions of discrete/continuous random variables; concepts of marginal and conditional probability. Mathematical expectation; moments and generating functions. Data analysis. Emphasis: mathematical theory. [Prereq: MATH 205 or MATH 210, and MATH 241 (C). Weekly: 3 hrs lect, 2 hrs activ.]

STAT 333. Linear Regression Models/ANOVA (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. [Prereq: MATH 113 or MATH 115 or equivalent, and STAT 108 or STAT 109. Weekly: 3 hrs lect, 2 hrs activ.]

STAT 404. Multivariate Statistics (4). Explore and model multivariate systems. Matrix algebra, correlation matrices, principal components, common factors, canonical correlation. Use and interpret computer-assisted analysis. [Prereq: STAT 108 or STAT 109. Weekly: 3 hrs lect, 2 hrs activ.]

STAT 406. Sampling Design & Analysis (4) F. 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. [Prereq: STAT 109 or equivalent. Weekly: 3 hrs lect, 2 hrs activ.]

STAT 409. Experimental Design & Analysis (4). Analysis of variance and nonparametric alternatives. Designs: nested, randomized complete block, factorial, and fractional factorial. Covariance designs. [Prereq: STAT 108 or STAT 109 or equivalent. Weekly: 3 hrs lect, 2 hrs activ.]

STAT 410. Modern Statistical Modeling (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. [Prereq: STAT 108 or STAT 109. Weekly: 3 hrs lect, 2 hrs activ.]

STAT 480. Selected Topics in Statistics (1-3). [Prereq: IA. Lect/lab as appropriate. Rep.]

STAT 499. Directed Study (.5-3). Directed reading and conferences on special topics. [Prereq: IA. Rep.]

GRADUATE

STAT 504. Multivariate Statistics (4). Meets jointly with STAT 404. Students in STAT 504 are expected to carry out an additional project and report findings. [Prereq: STAT 109 or equivalent; matrix algebra highly recommended. Weekly: 3 hrs lect, 2 hrs activ.]

STAT 506. Sampling Design & Analysis (4) F. Meets jointly with STAT 406. Students in STAT 506 expected to carry out additional independent sampling project and report findings in class. [Prereq: STAT 109 or equivalent. Weekly: 3 hrs lect, 2 hrs lab.]

STAT 509. Experimental Design & Analysis (4). Meets jointly with STAT 409. Students in STAT 509 are expected to carry out an additional project and report findings. [Prereq: STAT 109. Weekly: 3 hrs lect, 2 hrs activ.]

STAT 510. Modern Statistical Modeling (4). Meets jointly with STAT 410. Students in STAT 510 are expected to carry out an additional project and report findings. [Prereq: STAT 109 or STAT 108. Weekly: 3 hrs lect, 2 hrs activ.]

STAT 580. Selected Topics in Statistics (1-3). [Prereq: IA. Lect/lab as appropriate. Rep.]

STAT 630. Data Collection & Analysis (4). Practicum in data collection and analysis. Design and implement data collection and analysis. [Rec: probability and statistics, programming experience, grad standing. Weekly: 3 hrs lect, 3 hrs lab.]

STAT 699. Independent Study (.5-3). Directed reading and conferences in special topics. [Prereq: IA. Rep.]

Theatre Arts

For courses marked with an asterisk (), frequency depends on staff resources/student need.*

LOWER DIVISION

TA 104. Story Through Word & Image (4) F. Universal and archetypal principles of story with an emphasis on using images and words for creating stories for theatre and film. [GE.]

TA 105. Acting (3) FS. Theatre games, improvisation, movement, voice. Techniques applicable first to the individual and second to principles of performance in film and theatre. [GE.]

TA 106. Behind the Scenes in Theatre (3) FS. 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. [GE.]

TA 107. Dramatic Writing (3) FS. Basic principles including structure, dramatic action, and characterization. Exercises and writing projects in writing for stage and film. [GE.]

TA 108. Movement/Voice for Performers (3) S. Holistic development of physical/vocal instrument, emphasizing development of individual skills and awareness while enhancing one's perception of the performing arts within broader cultural context. [GE. Rep once, but not for GE.]

TA 121. Makeup for Stage & Screen (2) F.* Theories and practical experience in a lab/lecture situation.

TA 137. Production Techniques (4) F. Tools/techniques to realize the visual aspects of production safely. Explores relationships between design, use, and construction techniques.

TA 230. Theatre & Film Aesthetics (4) S. Introduction to aesthetic principles of visual design and storytelling as applied to theatre, film, as well as dance.

TA 240. Theatre History I (4) F.* Intellectual, cultural, and artistic perspectives in international and multicultural theatre history and literature from 5th century BCE through Elizabethan era.

TA 241. Theatre History II (4) S.* Intellectual, cultural, and artistic perspectives in international and multicultural theatre history and literature from the 18th century through Post-Modernism. [DCG-n.]

TA 251. Directing/Performance Workshop (4) F.* Students learn the principles of stage acting

and directing, including play analysis, character development, creative collaboration, staging, and performance.

UPPER DIVISION

TA 307. Theatre of the Oppressed (3) S. Survey/apply this collection of techniques, exercises, and games. Explore theatre as a tool of social activism and personal therapy. [Rep once, but without GE credit. DCG-d. GE.]

TA 315. Acting Styles (4) F. Approaches to acting in specific styles with rotating topics in solo and scene work from Shakespeare and other classical traditions, various comedic forms, and contemporary realism and non-realism. [Rep 3 times.]

TA 322. Creative Drama (3) F. 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.]

TA 325. Studio Productions (1-4) FS. Workshop with opportunities for student projects directing and stage readings of original work. Application of skills learned in other classes and practicums and applying them to a student's own production. [Prereq: junior or senior standing, or IA. TFD, TA, and Film majors only. Rep; multiple enrollments in term.]

TA 326. Performance Practicum (1) FS. Performance Practicum is a laboratory course for students participating in the performance aspect of staged or filmed works. [CR/NC. Rep.]

TA 327. Pre-Production Practicum (1) FS. Pre-Production Practicum is a laboratory course for students participating in the build and construction of staged and filmed works. Areas include scenery, costumes, lighting, properties, and others. [CR/NC. Rep.]

TA 328. Production Practicum (1) FS. Laboratory course for students participating in the running of a staged production or as crew on a film shoot, including lighting, sound, costume, makeup, hair, running crew, and others. [CR/NC. Rep.]

TA 331. Scenic Design & Art Direction (4) FS.* 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. Rep.]

TA 333. Lighting Design Stage & Screen (4) FS.* Stage and film lighting design as sculptural, symbolic, and emotional compositions in theory and practice. [Rep.]

TA 336. Costume Design Stage & Screen (4) FS.* Skills for designing and producing costumes for stage, film, and television. Includes color theory, fabric options, and scale. [Rep.]

TA 415. Advanced Studies in Acting (4) S. Practical application of performance theories, techniques, and practices with rotating topics in acting for the camera, acting in musical theatre, and dialects for stage and screen. [Rep.]

TA 431. Scene Design Technology (2-4) **FS.*** Advanced technical studies in scenic design production for stage and film. Includes props, scenic painting, model making, CAD, technical engineering, and professional presentation practices.

TA 433. Lighting Design Technology (2-4) **FS.*** Stage and film lighting design as sculptural, symbolic, and emotional compositions in theory and practice.

TA 436. Costume Design Technology (2-4) **FS.*** Skills necessary to create costumes for stage and screen including sewing, patterning, dyeing, mask making, and millinery. [Rep once.]

TA 448. Critical Analysis Stage & Film (4) **S.** Exploration of the varied historical and contemporary critical and theoretical perspectives in theatre and film. [Prereq: junior or senior standing. Rep.]

TA 480. Special Topics in Theatre Arts (1-4). * Variable topics. Check with Department for upcoming topics. [Rep; multiple enrollments in term.]

TA 494. Senior Seminar (2) **F.** 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. [Prereq: at least 20 units of Theatre Arts or Film classes.]

TA 499. Directed Study (1-6). * Individual work on selected problems in Theatre. Hours TBA. [Rep; multiple enrollments in term.]

GRADUATE

All courses required of the major must be completed with a grade of B- or higher.

Normally, graduate courses have a Prereq: of a baccalaureate degree in theatre arts or a closely related discipline, provided core subject matter is fulfilled. Qualified upper division students may enroll in grad courses with IA.

TFD 526. Graduate Theatre Arts Workshop (1-3). Work in production: acting, directing, design, writing, film, and technical direction. [Rep.]

TFD 585. Seminar in Theatre, Film & Dance (1-4) **FS.** Topics fit needs and interests of class. [Rep.]

TFD 597. Portfolio (1-4) **FS.** Standards, development. Resumé/vitae structures; documentation processes. [Rep.]

TFD 682. Internship (1-6) **FS.** Professional assignment in higher education or professional theatre under supervision of expert personnel. Production projects. [Prereq: approval of grad committee. Rep.]

TFD 690. Thesis or Project (1-6) **FS.** [Rep.]

TFD 695. Supervised Teaching (1-6) **FS.** Independent project teaching selected undergrad courses. Apply through grad committee; DA needed before any assignment. [Rep.]

TFD 699. Independent Study (1-6) **FS.** Hours arranged. [Rep.]

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 & Watershed Management (4). Hydrologic considerations of forest roads, stream crossings, road drainage. Management influences on hydrologic processes and aquatic habitat; protecting salmonid resources. [Prereq: word processing and spreadsheet skills required; courses in geology, soils, fisheries, or engineering desirable; or IA. Weekly: 3 hrs lect, 3 hrs lab.]

WSHD 333. Wildland Water Quality (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. [Prereq: CHEM 107. Weekly: 3 hrs lect. Rep.]

WSHD 424. Watershed Hydrology (3). Hillslope and fluvial hydrology. Water quality. Watershed management: analysis, planning, cumulative effects. [Prereq: WSHD 310 or IA. Weekly: 2 hrs lect, 3 hrs lab.]

WSHD 458. Climate Change & Land Use (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. [Prereq: BOT 105 or BIOL 105, CHEM 107 or CHEM 109.]

GRADUATE

WSHD 524. Advanced Watershed Hydrology (3). 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. [Prereq: WSHD 310 or IA. Weekly: 2 hrs lect, 3 hrs lab.]

WSHD 558. Advanced Climate Change & Land Use (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. [Prereq: CHEM 107 or CHEM 109, BOT 105 or BIOL 105.]

WSHD 685. Forest Hydrology Seminar (1-2). Review of research and literature for forest hydrology subjects. May include presentations by class members or resource people. [CR/NC. Prereq: WSHD 310 (C) or IA. Fee possible. Rep.]

Wildlife

LOWER DIVISION

WLDF 111. Introduction to Wildlife (1). Wildlife management field: breadth, types of animals involved, founding scientific principles. [CR/NC. Rep.]

WLDF 210. Introduction to Wildlife Conservation & Administration (3). History of relationship between wildlife and people, including laws and regulatory agencies. Different cultural perspectives.

WLDF 244. Wildlife Policy & Animal Welfare (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. [CR/NC.]

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 300 / WLDF 300B. Wildlife Ecology & Management (3). Important wildlife habitats and their characteristic plants/animals. Identification, life histories, and ecology of important species. Scientific principles upon which field is founded. [Prereq: lower division science GE. Weekly: 2 hrs lect, 1 hr disc for WLDF 300; or 3 hrs lect for 300B. GE for nonmajors; may not count for credit by majors.]

WLDF 301. Principles of Wildlife Management (3). Plant / animal ecology; population dynamics; philosophy. [Prereq: MATH 115 or equivalent, WLDF 210, BIOL 105 or BOT 105 or ZOOL 110. GE. Weekly: 2 hrs lect, 1 hr disc/quiz; or 3 hrs lect.]

WLDF 302 / PHIL 302. Environmental Ethics (3). Philosophical approaches to natural resource use. Ethical and legal perspectives. [Weekly: 2 hrs lect, 1 hr disc. GE.]

WLDF 306. Birds & Human Society (3). Distribution, ecology, and behavior of birds. Relationships to human history, sciences, arts, economy, culture. [GE. Prereq: completed lower division GE. Rep.]


WLDF 309. Case Studies in Environmental Ethics (3). Human influence on distribution of world's fauna. Ethical perspectives. [GE. CWI. Prereq: completed lower division GE area B. Rep twice; multiple enrollments in term.]


WLDF 311. Wildlife Techniques (4). Management and research techniques. [Prereq: WLDF 244, WLDF 301, STAT 109 or equivalent; or IA. Weekly: 2 hrs lect, 1 hr disc, 3 hrs lab.]

WLDF 365. Ornithology I (3). Classification, life histories, ecology, behavior; and special adaptations of birds. Identification in field and lab. [Prereq: BIOL 105 and ZOOL 110, or their equivalents. Weekly: 2 hrs lect, 3 hrs lab.]


WLDF 420. Wildlife Management (Waterfowl) (3). Life histories, ecology, behavior; management of waterfowl and allied species. [Prereq: WLDF 301 and WLDF 311, or IA. Rec: WLDF 365. Weekly: 2 hrs lect, 3 hrs lab.]


WLDF 421. Wildlife Management (Upland Game) (3). Life histories, ecology, management of upland game/allied species. [Prereq: WLDF 301, WLDF 311, or IA. Rec: WLDF 365. Weekly: 2 hrs lect, 3 hrs lab.]

 **WLDF 422. Wildlife Management (Mammals)** (3). Life histories, ecology, management. [Prereq: WLDF 301, WLDF 311, ZOOL 356, or IA. Weekly: 2 hrs lect, 3 hrs lab.]


 **WLDF 423. Wildlife Management (Nongame Wildlife)** (3). Life histories, special management considerations. Specific taxonomic/ecological groups vary. [Prereq: WLDF 301, WLDF 311. Rep once. Weekly: 2 hrs lect, 3 hrs lab.]

WLDF 426. Field Trip (1-3). Group tour of important wildlife management developments and/or wildlife and their habitats. [Prereq: WLDF 301 and WLDF 311, or IA.]

 **WLDF 430. Ecology & Management of Wetland Habitats for Wildlife** (3). Historical, ecological, and management implications of manipulating wetland habitats to benefit wildlife. [Prereq: WLDF 301 and WLDF 311, or IA. Weekly: 2 hrs lect, 3 hrs lab.]


 **WLDF 431. Ecology & Management of Upland Habitats for Wildlife** (3). Theoretical and applied considerations for managing upland habitats to benefit wildlife species. [Prereq: WLDF 301 and WLDF 311, or IA. Weekly: 2 hrs lect, 3 hrs lab.]

WLDF 450. Principles of Wildlife Diseases (3). Role of disease in wildlife populations; host/parasite relationships; strategies in controlling diseases. [Prereq: BIOL 105, WLDF 301, ZOOL 110; or their equivalents. Weekly: 2 hrs lect, 3 hrs lab.]

 **WLDF 460. Conservation Biology** (3). Endangered species management, reserve design, conservation genetics, related concepts. [Prereq: WLDF 301 (BIOL 330 may substitute), or IA.]

WLDF 470. Animal Energetics (3). How mammals and birds acquire, conserve, and exploit energy and other resources. Microclimates; relationships to habitat management. [Prereq: BIOL 105, WLDF 301, WLDF 311; or IA. Rec: ZOOL 310. Weekly: 2 hrs lect, 3 hrs lab.]

WLDF 475. Wildlife Ethology (3). Behavior of vertebrates. Relationships between animal behavior and wildlife management/research. [Prereq: WLDF 301 and WLDF 311, or equivalent, or IA. Weekly: 2 hrs lect, 3 hrs lab.]

 **WLDF 478. Ecology of Wildlife Populations** (3). Factors influencing growth, regulation, structure, and fluctuations of wildlife populations. Population growth, competition, and predator/prey models. [Prereq: WLDF 301 and WLDF 311, or IA. Weekly: 2 hrs lect, 3 hrs lab.]

WLDF 480. Selected Topics in Wildlife Management (1-3). [Prereq: IA. Lect/lab as appropriate. Lab sections CR/NC. Rep.]


WLDF 482. Wildlife Conclave (1). Preparation for student competitions in discipline of wildlife management and conservation; research presentation, professional development, networking. [Wildlife majors only. CR/NC. Rep 7 times.]

WLDF 485. Senior Seminar in Wildlife Management (1). Oral presentation of topic from current literature. [Prereq: WLDF 311 and senior standing. Rep twice.]

WLDF 490. Honors Thesis (3). Independent research conducted under faculty supervision. [Prereq: WLDF 311 and GPA 3.0 or higher. Must take in last semester or IA.]

WLDF 492S. Senior Project, Service (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. [Prereq: WLDF 311, senior standing, and IA. Rec: at least one additional 400-level WLDF course.]

WLDF 495. Senior Project (3). Independent research, including proposal writing, fieldwork, and completion of a scientific paper. [Prereq: WLDF 311. Must take in last semester or IA. Rep.]


 **WLDF 497. Wildlife Ethics, Independent Study** (1). Case studies. Integrate biological, ethical, and legal perspectives.

WLDF 499. Directed Study (1-3). Independent studies. Directed reading or conference. [Prereq: IA. May not substitute for WLDF 485 or WLDF 495. Rep.]

GRADUATE

WLDF 510. Advanced Principles of Wildlife Management (1-5). New theories, principles, techniques. [Rep.]

WLDF 510L. Advanced Principles of Wildlife Management Lab (1-2). [Rep.]

 **WLDF 531. Advanced Wildlife Habitat Ecology** (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. [Prereq: WLDF 311, and WLDF 430 or WLDF 431; or IA.]

WLDF 550. Advanced Topics in Wildlife Diseases (1-3). Theories, concepts. [Prereq: WLDF 450.]

WLDF 550L. Advanced Topics in Wildlife Diseases Lab (1-2).

WLDF 565. Advanced Topics in Ornithology (1-3). Ecology and management of birds. Emphasis on individual work. [Prereq: WLDF 301, WLDF 365, WLDF 465; or IA.]

WLDF 565L. Advanced Topics in Ornithology Lab (1-2).

WLDF 580. Behavioral Ecology (1-3). Relationships between behavior; ecology, and management of wildlife populations. [Prereq: WLDF 475 or equivalent, or IA. Variable format: recitations, labs.]

WLDF 585. Seminar in Wildlife Management (1-3). Important current literature. Recitation. [Prereq: grad standing. Rep 4 times.]

WLDF 597. Mentoring & Teaching-Associate Training (1-4). Training in course preparation and delivery. Advance majors and grad students take this prior to or concurrent with teaching-assistant or teaching-associate assignments. No credit toward graduate degree.

WLDF 690. Thesis (1-3). Restricted to students in NR grad program, wildlife option. [Rep.]

WLDF 695. Advanced Field Problems (1-3). Directed field experience in individual thesis problems. [Rep.]

WLDF 699. Independent Study (1-3). Selected problems. [Prereq: grad standing and IA. Rep.]

Women's Studies


LOWER DIVISION

WS 106. Introduction to Women's Studies (3). Experiences and perspectives of women of different ethnicities, social classes, sexualities, ages, and other points of intersection with gender. [DCG-d. GE.]

WS 107. Women, Culture, History (3). Trace US women's movements (of different ethnicities, races, and sexualities) as they relate to international movements. Humanistic approach: consider artistic expressions as well as original documents. [DCG-d. GE.]

UPPER DIVISION


WS 300 / PSYC 300. Psychology of Women (3). Individual and social characteristics and roles. Biological and environmental determinants of women's psychological development, including sex differences. Critique psychological theories/research. [DCG-d. GE.]

 **WS 303. Third World Women's Movements** (3). Explore the diversity: from revolutionary contexts to grassroots mobilization; from issues of sexuality to globalization of the economy. [DCG-n. GE.]


WS 306 / FREN 306 / GERM 306 / SPAN 306. Sex, Class & Culture: Gender & Ethnic Issues in International Short Stories (3). Gender and ethnic issues in French, German, and Spanish short stories by and about women. Readings, lectures, and discussions entirely in English. [Rep. DCG-n. GE.]

WS 308B-C / ENGL 308B-C. Women in Literature (3). Works by women and men. How literature in various historical periods reflects cultural conditions and attitudes about women. How feminist movement relates to these issues. [GE. DCG. ENGL 308B (domestic); 308C (non-domestic).]


WS 309B / COMM 309B. Gender & Communication (3). From perspectives of the sciences, social sciences, and arts/humanities, critique relationship of gender to communication. [GE. CWT. DCG-d.]

 **WS 315 / ANTH 315. Sex, Gender & Globalization** (4). Examine crossculturally the diversity of relations of sex and gender. Transformation of gender relations thru colonial rule, nationalist movements, and globalization of the economy. [DCG-n.]


WS 316 / SOC 316. Gender & Society (4). 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. [DCG-d.]

 **WS 317 / ANTH 317. Women & Development** (4). 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.

WS 318 / EDUC 318. Gay & Lesbian Issues in Schools (3). Explores the ways in which K-12 public education responds to the open inclusion of gay, lesbian, bisexual, and transgender students, teachers, and parents. Special focus on topics such as homophobia in girl's sports, gender non-conforming sports, and teachers' decisions to be closeted or openly gay. [DCG-d.]

 **WS 320. Act to End Violence Seminar** (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. [Rep.]

WS 336 / ENGL 336 / ES 336. American Ethnic Literature (4). Read/discuss literature written by ethnic minorities in the U.S., including works by authors of African, Asian, Native American, Latin, Eastern European & Middle Eastern descent. Focus varies. One of four units is individualized instruction on assigned topics. [Rep. DCG-d.]

 **WS 340. Ecofeminism** (3-4). Plurality of voices making up ecofeminism; theoretical, political, and spiritual dimensions. [DCG-n.]

WS 350. Women's Health & Body Politics (4). Examine influences of medical establishment, governments, and transnational corporations on women's health; assess health status of women by learning about women's bodies; understand effects of personal behavior on health. [DCG-d.]

WS 370. Queer Women's Lives (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.

WS 419 / PSYC 419. Family Violence (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. [Prereq: PSYC 104.]

WS 420. Community Service (1-3). Service experience using acquired skills. Policy development/review; workplace plan implementation. May build upon previous internship experience [CRGS 410]. [Prereq: WS 106 or IA.]


WS 436 / PSYC 436. Human Sexuality (3). Physiological, psychological, and sociological aspects of human sexual behavior. From conception and contraception to attitudes and aberrations. Interdisciplinary approaches as appropriate.

WS 465B-C / ENGL 465B-C / ES 465B-C. Multicultural Issues in Literature/Languages (4). Themes, genres, figures, theories, or movements in literary or linguistics study in relation to issues of ethnicity and/or gender. [Prereq: ENGL 320. Rep. DCG. WS 465B (domestic); WS 465C (non-domestic).]

WS 480. Selected Topics in Women's Studies (1-5). Interdisciplinary subjects and issues. [Rep.]

WS 485. Seminar in Feminist Studies (3). Capstone course on selected theme illustrating the transforming potential of feminist perspectives in personal, social and political contexts. Guest speakers; diverse applications. [Rep.]

WS 499. Directed Study (1-3). Pursue own topic in consultation with faculty. [Rep.]

 **WS 680. Environment & Community: Gender, Race, Class** (3). Intensive study of socio-cultural dimension of environmental issues, focusing on intersections of race, class, gender, and environment. Rotating topics. [Rep twice.]

World Languages & Cultures

Also see Chinese, French, German, and Spanish.

LOWER DIVISION

WLC 110. Language Laboratory (1). Must be taken with first and second year language courses. Self-directed, subscription-based online language course. [Rep 3 times. Coreq: WLC 120.]

WLC 120. Elementary Language (1-5). Develop basic skills in a language not regularly offered by department. [Coreq: WLC 110. Rep.]

WLC 199. Introduction to Language (1-3). Independent supervised study to acquire skill in a language (other than English) not offered by department. [Prereq: IA. Rep.]

UPPER DIVISION

WLC 480. Special Topics (1-4). Topics from a multicultural or multilanguage perspective. [Prereq: IA. Rep.]

Zoology

LOWER DIVISION

ZOOL 110. Introductory Zoology (4). Structure, function, evolution, and diversity of major groups of animals. [Weekly: 3 hrs lect, 3 hrs lab.]

ZOOL 113. Human Physiology (4). Physiological mechanisms of human body. Emphasis: organ level of integration. No credit toward a major in biology, botany, or zoology. [Prereq: BIOL 104 or BIOL 105 with a grade of C- or higher, or equivalent. Weekly: 3 hrs lect, 3 hrs lab.]

ZOOL 198. Supplemental Instruction (1). Collaborative work for students enrolled in introductory zoology. [CR/NC. Rep.]

ZOOL 270. Human Anatomy (4). Gross and microscopic anatomy of human body. Demonstrations on cadavers; microscopic work. Intended for Kinesiology and Pre-Professional Health students. [Weekly: 2 hrs lect, 6 hrs lab.]

UPPER DIVISION

ZOOL 310. Animal Physiology (4). Comparative organ system physiology of animals. Adaptive strategies. [Prereq: BIOL 105, ZOOL 110, CHEM 109, PHYX 106 or PHYX 109; all with grades of C- or higher. Weekly: 2 hrs lect, 6 hrs lab.]

ZOOL 312. Human Physiology (4). Physiological chemistry, cell physiology, and physiology of major organ systems of the human body. [Prereq: BIOL 105, and PHYX 118 or PHYX 107 or PHYX 110; all with grades of C- or higher. Rec: ZOOL 110. Weekly: 3 hrs lect, 3 hrs lab.]

ZOOL 314. Invertebrate Zoology (5). Comparative functional morphology, life histories, and phylogeny of invertebrates. [Prereq: BIOL 105 and ZOOL 110; all with grades of C- or higher. Weekly: 3 hrs lect, 6 hrs lab.]

ZOOL 316. Freshwater Aquatic Invertebrates (3). Identification, behavior, life history. Insects, crustaceans, mollusks. [Prereq: ZOOL 110. Weekly: 2 hrs lect, 3 hrs lab.]

ZOOL 325 / PSYC 325. Advanced Behavioral Neuroscience (4). Principles of behavioral neuroscience are reviewed, and then selected topics are covered in detail. Original research articles supplement textbook reading. Required labs provide hands-on experience. [Prereq: PSYC 104 and PSYC 321, or BIOL 105 and ZOOL 110. Weekly: 3 hrs lect, 2 hrs lab.]

ZOOL 354. Herpetology (4). Biology, classification, anatomy, distribution, and life histories of amphibians and reptiles. [Prereq: BIOL 105 and ZOOL 110; all with grades of C- or higher. Weekly: 2 hrs lect, 6 hrs lab.]

ZOOL 356. Mammalogy (3). Comparative mammalian biology. Systematics, morphology, behavior; reproduction, physiology, ecology, zoogeography. [Prereq: BIOL 105 and ZOOL 110; all with grades of C- or higher. Weekly: 2 hrs lect, 3 hrs lab.]

ZOOL 358. General Entomology (4). Classification, identification, anatomy, physiology, ecology, behavior; control of insects. [Prereqs: BIOL 105 and ZOOL 110; all with grades of C- or higher. Weekly: 2 hrs lect, 6 hrs lab/field trip.]


ZOOL 370. Comparative Anatomy of the Vertebrates (4). Anatomy of organs/systems of various vertebrate classes and cephalochordates. Evolutionary derivations; adaptive significance. [Prereq: BIOL 105 and ZOOL 110; all with grades of C- or higher. Weekly: 2 hrs lect, 6 hrs lab.]

ZOOL 430. Comparative Animal Behavior (4). Vertebrates and invertebrates. Development of modern principles of ethology. [Prereq: BIOL 105 and ZOOL 110. Weekly: 2 hrs lect, 6 hrs lab/field trip.]

ZOOL 476. Principles of Animal Development (4). Mechanisms of differentiation at molecular, cellular, and tissue levels. Descriptive morphology of embryonic development in invertebrate and vertebrate model organisms. [Prereq: BIOL 340 and ZOOL 110. Weekly: 3 hrs lect, 3 hrs lab.]

ZOOL 480/480L. Selected Topics in Zoology (.5-3). Topics in response to current advances and as demand warrants. [Prereq: IA. Rep once with different topic and instructor.]

GRADUATE

 **ZOOL 530. Benthic Ecology** (3). Sublittoral marine environment. Original literature on synecological investigations. Field/lab: detailed analysis of benthic communities. [Prereq: BIOL 430 and ZOOL 314, or equivalent. Weekly: 2 hrs lect, 3 hrs lab.]

ZOOL 552. Advanced Invertebrate Zoology (3). Typically focuses either on a particular taxon (Crustacea, Mollusca) or special field (behavior, systematics, functional morphology, feeding strategies). [Prereq: ZOOL 314 or equivalent. Weekly: 2 hrs lect, 3 hrs lab.]

ZOOL 556. Marine Mammalogy (4). Comparative biology. Systematics, habits, adaptive modifications, history of whaling. Service fee. [Prereq: ZOOL 356 or equivalent. Weekly: 2 hrs lect, 6 hrs lab/field trip.]

ZOOL 560. Advanced Mammalogy (4). Assigned readings; field and lab investigations. [Prereq: ZOOL 356. Weekly: 2 hrs lect, 6 hrs lab.]

ZOOL 580/580L. Selected Topics in Zoology (1-3). Topics based on current advances and as demand warrants. [Prereq: grad standing and IA. Rep once.]

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College of Arts, Humanities & Social Sciences

John Lee, Dean
College of Professional Studies

Steven Smith, Dean
College of Natural Resources & Sciences

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College of eLearning & Extended Education
Rhea Williamson, Dean
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Volga Koval, Director
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Jacqueline Honda, Associate Vice President
Retention & Inclusive Student Success

Radha Webley, Director
Diversity & Inclusion

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Facilities Planning, Design, Sustainability &
Transportation Management

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Contracts, Procurement & Risk Management

Lynne Soderberg, Chief of Police
University Police Department
Director, Emergency Management

FACULTY

Date indicates year of appointment. Retired professors are in the following list of emeritus faculty.

Academic Affairs

Burges, Jená, Vice Provost of Academic Affairs (2006); BA, Arizona State; MA, PhD, Northern Arizona Univ

Snyder, Bob, Provost and Vice President of Academic Affairs (1986); BA, Boise State; PhD, Minnesota

Williamson, Rhea, Dean of Research, Economic, and Community Development (2011); BA, San Jose State University; PhD, UC Berkeley

Anthropology

Cortes-Rincon, Marisol, Asst Prof (2011); BA, MA, Montclair State Univ; PhD, Univ of Texas Austin

Glenn, Mary, Prof (1999); BS, Loyolla; MA, PhD, Northwestern

Scoggin, Mary, Prof (1997); PhD, Chicago

Smith, Llyn, Prof (1990); BA, Adelaide (Australia); PhD, University College London

Art

Alderson, Julia, Assoc Prof (2008); BA, Humboldt State; MA, PhD, Rutgers Univ

Antón, Don, Prof (1991); BA, MA, San Francisco State

Gonzalez-Guerrra, Brandice, Asst Prof (2013); BFA, Art Institute of Chicago; MFA, Univ of Illinois

Febré, Ricardo, Asst Prof (2010); BA, BFA, San Jose State; MFA, State University of NY, New Paltz

Hill, Nicole Jean, Assoc Prof (2006); BA, Nova Scotia Coll of Art & Design; MFA, Univ of No Carolina

Madar, Heather, Assoc Prof (2006); BA, Wellesley; MA, PhD, UC Berkeley

Patzlaff, Kris, Prof (1999); BA, HSU; MFA, S. Illinois Univ, Carbondale

Schneider, Keith, Prof (1988); BA, San Diego State; MA, Humboldt State; MFA, UC Santa Barbara

Schwetman, Sondra, Assoc Prof (2004); BFA, Univ of Texas; MFA, Univ of Houston

Stanley, Teresa, Prof (1991); BA, UC Santa Barbara; MA, San Francisco State; MFA, UC Berkeley

Whorf, Sarah, Assoc Prof (2005); MFA, CSULB; MA, CSUN

Athletics

Gleason, Joddie, Coach/Wrms Bsktball (2004); BA, CSU Chico; MA, CSU Chico

Karver, Paul, Coach/Women's Soccer (2013); BA, MA, Univ of Redlands

Kinder, Steve, Coach/Men's Basketball (2010); BA, MA Humboldt State University

Meiggs, Robin, Coach/Women's Rowing (1989); BA, MS Humboldt State

Pesch, Scott, Coach/Men's and Women's Track & Field/Men's and Women's Cross Country (2010); BA, MBA Humboldt State University

Smith, Rob, Coach/Football (2008); BA, University of Washington

Wood, Kelly, Coach/Women's Volleyball (2012); BS, Sonoma State Univ; MA, Chapman Univ

Biological Sciences

Camann, Michael, Prof (1997); BS, George Mason; PhD, Georgia

Craig, Sean, Prof (2000); BA, New Hampshire; MS, Houston; PhD, SUNY-Stony Brook

Goley, Dawn, Prof (1996); BS, North Carolina-Wilmington; MS, Victoria; PhD, UC Santa Cruz

Henkel, Terry, Prof (2002); BSC, Ohio Univ; MSc, University of Wyoming; PhD, Duke

Jules, Erik, Prof (2000); BA, Ithica College; MS, PhD, University of Michigan

Lu, Casey, Prof (1995); BS, MS, PhD, Michigan

Marks, Sharyn, Prof (1994); BA, Chicago; PhD, UC Berkeley

Mesler, Michael, Prof (1975); BS, PhD, Michigan

Metz, Edward, Assoc Prof (1998); BA, Yale; PhD, Hawaii

O'Gara, Bruce, Prof (2000); BS, Wisconsin-Madison; MS, North Dakota State; PhD, Iowa State

Reiss, John, Prof (1997); BA, UC Santa Cruz; MA, PhD, Harvard

Shaughnessy, Frank, Prof (1996); BS, St Lawrence; MS, New Hampshire; PhD, British Columbia-Vancouver

Siering, Patricia, Prof (1998); BS, UC Berkeley; MS, San Francisco State; PhD, Cornell

Szewczak, Joseph M., Prof (2003); BSE, Duke Univ; PhD, Brown Univ

Tissot, Brian, Prof (2013); BS, Cal Poly SLO; MS, UC Irvine; PhD, Oregon State Univ

Tomescu, Alexandru, Assoc Prof (2005); MS, University of Bucharest, Romania; PhD, Ohio Univ - Athens

Varkey, Jacob, Prof (1994); BS, Kerala, India; MS, Calicut, India; PhD, Illinois State

White, Jeffrey, Prof (2000); BA, UC Santa Cruz; PhD, Michigan State

Wilson, Mark, Prof (1999); BA, St. Mary's College of MD; MS, Virginia Polytechnic; PhD, Cornell

Zhong, Jianmin, Assoc Prof (2006); BS, Shanghai Medical Univ, China; MM Shanghai Medical Univ, China; PhD, Univ of Tenn, Memphis

Business Administration

Chaudhury, Sarita Ray, Asst Prof (2012); BC, Kolkata Univ, India; MS, MBA, Illinois Inst of Tech; PhD, New Mexico State

Lancaster, Kathryn, Assoc Prof (2012); BS, Ft Lewis College; MS, Colorado State; PhD, Texas A&M

Lane, Michelle, Asst Prof (2011); BS, Purdue; MS Texas, MSBA Indiana; Phd, South Carolina

Pham, Quoc, Assoc Prof (2009); BS, MBA, UC Berkeley, Haas; DBA, Golden Gate Univ

Singh, Harinder, Prof (2012); MA, DAV College, India; PhD, Univ of Illinois

Sleeth-Keppler, David, Asst Prof (2011); BA, MA, PhD, Univ of Maryland

Thomas, Michael, Prof (2005); BS, MBA, San Jose State; PhD, Wisconsin-Madison

Vizenor, Nancy, Asst Prof (2011); BA, Cal Poly; PhD, Washington

Chemistry

Cappuccio, Jenny, Asst Prof (2013); BS, CSU Chico; PhD, UC Santa Cruz

Harmon, Christopher, Asst Prof (2011); BS, Purdue; PhD, UC Irvine

Hurst, Matthew, Assoc Prof (2006); BS, BA, Humboldt State; PhD, Univ of Calif, Santa Cruz

Kyte, Brian, Asst Prof (2014); BS, Austin Peay State Univ; PhD, Univ of Florida

Schineller, Jeffery, Assoc Prof (1995); BA, BS, Ithaca Col; MS, PhD, Penn State

Smith, Joshua, Prof (2001); BA, Simon's Rock College of Bard; PhD, Dartmouth

Wayman, Kjirsten, Prof (2000); BS, UC Santa Barbara; PhD Univ Colorado

Zoellner, Robert, Prof (1998); BS, St Norbert Col; PhD, Kansas State

Child Development

Knox, Claire, Prof (1992); BA, Beloit Col; MS, Purdue; PhD, Illinois

Lara-Cooper, Kishan, Asst Prof (2010); BA, Humboldt State Univ; MA, Univ of Arizona; EdD, Arizona State Univ

Rana, Meenal, Asst Prof (2013); BS, MS, Chaudhary Charan Singh Haryana Agricultural Univ; PhD, Michigan State Univ

You, Hyun-Kung, Asst Prof (2013); BS, MS, PhD, Oregon State Univ

College of Arts, Humanities, & Social Sciences

Ayoob, Kenneth, Dean (1993); BM, San Francisco State; MM, Oregon; DA, Northern Colorado

Paynton, Scott, Assoc Dean (1998); BA, CSU San Bernardino; MA, CSU Chico; PhD, Southern Illinois

College of Natural Resources and Sciences

Smith, Steven A., Dean (2001); BS, MA, Humboldt State Univ; PhD, Texas A&M

Zechman, Rick, Assoc Dean (2012); BS, Univ of North Carolina, Wilmington; MS, Univ of New Hampshire; PhD, Louisiana State Univ

College of Professional Studies

Lee, John, Dean (2010); BA, PhD, Univ of Illinois

Communication

Bruner, Michael, Prof (2001); BA, West Virginia Wesleyan College; MD, Yale; PhD, Pittsburgh

Hahn, Laura, Prof (2001); BA, San Francisco State; MA, San Francisco State; PhD, The Ohio State

Reitzel, Armeda, Prof (1981); BA, Central Col; MA, PhD, Southern Illinois

Schnurer, Maxwell, Assoc Prof (2005); BA, Vermont; MA, Wake Forest; PhD, Univ of Pittsburgh

Souza, Tasha, Prof (2000); BS, MA, San Jose State; PhD, Washington

Computer Science

Amoussou, Guy-Alain, Prof (2000); BS, MS, Université d'Amiens; PhD, Université de Technologie de Compiègne

Burgess, Scott, Assoc Prof (2000); BS, Southern Oregon; MS, Rutgers; PhD, Oregon State

Dixon, Chip, Prof (1984); BA, CSU Los Angeles; MS, CSU Chico; EdD, Nevada, Reno

Tuttle, Sharon, Prof (1998); BA, Rice; MS, Washington; PhD, Houston

Counseling & Psychological Services

McElwain, Brian, Staff Psyc (2008); BS, Kentucky Christian Univ; MA, Loyola Univ; MA, PhD, Duquesne Univ

Critical Race, Gender & Sexuality Studies

Accomando, Christina, Prof (1997); BA, MA, PhD, UC San Diego

Bao, Wurlig, Prof (1999); BA, Shanghai Inst of Foreign Languages; MA, Alaska Pacific; MA, PhD, Washington

Bell, Ramona, Asst Prof (2011); BA, Univ of Tennessee; MA, Tennessee Tech Univ; PhD, Bowling Green State Univ

Berry, Kim, Prof (1999); BA, Wesleyan Univ; MA, PhD, Cornell

Curiel, Barbara, Prof (1997); BA, Mills Col; AM, Stanford; PhD, UC Santa Cruz

Schnurer, Maxwell, Assoc Prof (2005); BA, Vermont; MA, Wake Forest; PhD, Univ of Pittsburgh

Urban, Jessica, Assoc Prof (2004); BA, MA, PhD, Northern Arizona Univ

Winston, Janet, Assoc Prof (2006); BA, UCLA; PhD, Univ of Iowa

Economics

Eschker, Erick, Prof (1998); BA, Illinois; MA, PhD, UC Davis

Hackett, Steve, Prof (1994); BS, Montana State; MS, PhD, Texas A&M

Wilson, Beth, Prof (2001); BS, Miami Univ; MS, PhD, University of Oregon

Education

Cook, Thomas, Asst Prof (2007) BA, Univ of Missouri, Columbia; MA, CSULA; PhD, USC

Dingle, Mary, Prof (2014); BA, MA, Sonoma State Univ; PhD, UCLA

Ellerd, David, Assoc Prof (2002); BA, CSC San Bernardino; MA, Pepperdine; PhD, Utah State

McGuire, Jayne, Assoc Prof (2006); PhD, Univ of Utah, Salt Lake City

Ruiz, Marisol, Asst Prof (2013); BA, MA, San Francisco State Univ; PhD, Univ of New Mexico

Scott, Lyn, Asst Prof (2012); BA, Emporia State Univ; M.Ed., Univ of Massachusetts; PhD, UC Berkeley

Van Duzer, Eric, Assoc Prof (2000); BS, Humboldt State; MA, PhD, UC Berkeley

English

Accomando, Christina, Prof (1997); BA, MA, PhD, UC San Diego

Creadon, Mary Ann, Assoc Prof (1986); BA, Colorado State; MA, PhD, Northwestern

Doty, Kathleen, Prof (1989); BA, Portland State; MA, PhD, Washington

Eldridge, Michael, Prof (1995); BA, Northern Michigan; PhD, Minnesota

Hobbel, Nikola, Assoc Prof (2003); BA, UC Berkeley; MS, Dominican Univ; PhD, Wisconsin

Lewis, Corey, Assoc Prof (2005); BA, MA Kansas State; PhD, Nevada, Reno

Pinkert, Laurie, Asst Prof (2013); BA, Gardner-Webb Univ; MA, Univ of Maine; PhD, Purdue Univ

Scott, Suzanne, Assoc Prof (2002); BA, UC Davis; MA, CSU Chico; PhD, Northern Arizona Univ

Stacey, David, Prof (1999); BA, Aquinas Col; MA, McGill; PhD, Louisville

Winston, Janet, Prof (2006); BA, UCLA; PhD, Univ of Iowa

Environmental Science & Management

Everett, Yvonne, Prof (1998); BA, Pomona Col; MS, PhD, UC Berkeley

Fingerman, Kevin, Asst Prof (Spring 2013); BA, Wesleyan Univ; MS, PhD, UC Berkeley

Graham, James, Asst Prof (2013); BS, CSU Chico; PhD, Colorado State Univ

Martin, Steven, Prof (1992); BS, Principia Col; PhD, Montana

O'Dowd, Alison, Assoc Prof (2008); BS, Univ of Oregon; PhD, UC Berkeley

Richmond, Laurie, Asst Prof (2012); BA, Middlebury College; PhD, Univ of Minnesota

Environmental Resources Engineering

Achilli, Andrea, Asst Prof (2012); BS, MS, Università degli Studi Di Ancona, Italy; PhD, Univ of Nevada, Reno

Cashman, Eileen, Prof (2000); BS, Humboldt State; MS, PhD, Wisconsin at Madison

Eschenbach, Beth, Prof (1995); BS, UC Santa Cruz; MS, PhD, Cornell

Finney, Brad, Prof (1979); BS, Humboldt State; MS, PhD, Utah State

Jacobson, Arne, Assoc Prof (2005); BA, Earlham College; MS, Humboldt State; PhD, UC Berkeley

Lang, Margaret, Prof (1994); BS, Illinois; MS, PhD, Stanford

Vernon, David, Asst Prof (2011); BS, Wisconsin at Madison; MS, PhD, UC Davis

Fisheries Biology

Kinziger, Andrew, Assoc Prof (2003); BS, Saint Norbert College; MS, Frostberg State Univ; PhD, Saint Louis Univ

Ward, Darren, Asst Prof (2010); BS, Utah State Univ; MS, Univ of Minnesota; PhD, Dartmouth College

Forestry and Wildland Resources

Berrill, John-Pascal, Asst Prof (2008); BS, Univ of Canterbury, New Zealand; MS, PhD, UC Berkeley

Han, Han-Sup, Prof (2006); BS & MS, Kangwon Nat'l Univ, So Korea; MS, Univ of Maine; PhD, Oregon State Univ

Kane, Jeffrey, Asst Prof (2012); BS, Plattsburgh State Univ; MS, Humboldt State; PhD, Northern Arizona Univ

Kelly, Erin, Asst Prof (2012); BA, Whitman College; MS, PhD, Oregon State

Marshall, Susan, Prof (1997); BS, UC Riverside; MS, Arizona; PhD, UC Riverside

Sillett, Stephen, Prof (1996); BA, Reed Col; MS, Florida; PhD, Oregon State

Stubblefield, Andrew, Assoc Prof (2006); BA, Oberlin College; MS, Univ of Michigan; PhD, UC Davis

Geography

Cunha, Stephen, Prof (1996); BS, BA, UC Berkeley; MA, PhD, UC Davis

Derrick, Matthew, Asst Prof (2012); BA, Augsburg College; MA, PhD, Univ of Oregon

Ray, Sarah, Asst Prof (2013); BA, Swarthmore College; MA, Univ of Texas-Austin; PhD, Univ of Oregon

Sherriff, Rosemary, Assoc Prof (2009); BS, Univ of Oregon; MA, PhD, Univ of Colorado, Boulder

Geology

Cashman, Susan, Prof (1977); BA, Middlebury Col; MS, PhD, Washington

Dengler, Lori, Prof (1979); AB, MS, PhD, UC Berkeley

Hemphill-Haley, Mark, Assoc Prof (2002); BS, MS, Humboldt State; PhD Oregon

Miller, William, Prof (1984); BA, Appalachian State; MS, Duke; PhD, Tulane

Schwab, Brandon, Prof (2001); BS, North Carolina; PhD Oregon

History

Cliver, Robert, Assoc Prof (2007); BA; Tufts; MA, Hawaii-Manoa; PhD, Harvard

Marschke, Benjamin, Assoc Prof (2006); BA, Santa Clara Univ; MA & PhD, UCLA

Mays, Thomas, Prof (2003); BA, Roanoke College; MA, Virginia Tech; PhD, Texas Christian Univ

Pasztor, Suzanne, Assoc Prof (2005); BA, Adams State; MA, Texas Christian; PhD, Univ of New Mexico

Paulet, Anne, Prof (2000); BA, Swarthmore; MA, PhD, Rutgers

Journalism & Mass Communication

Burstiner, Marcy, Assoc Prof (2006); MS, Columbia Univ

Pike, Deidre, Asst Prof (2012); BA, MA, PhD, Univ of Nevada

Sama, Victoria, Assoc Prof (2006); MA, Univ of Colorado, Boulder

Kinesiology & Recreation Administration

Alicea, Sheila, Asst Prof (2013); BS, CSU Chico; MA, CSU Long Beach; PhD, Michigan State Univ

Braithwaite, Rock, Prof (2001); BS, Walla Walla College; MS, Eastern Washington Univ; EdD, University of Northern Colorado

Hopper, Christopher, Prof (1980); BEd, Univ of Exeter; UK; MS, PhD, Univ of Oregon

Kwon, Young Sub, Asst Prof (2013); BA, MS, Chung-Ang Univ; PhD, Univ of New Mexico

Manos, Tina, Assoc Prof (2005); BS, UC Davis; MA, EdD, Columbia Univ

Ortega, Justus, Assoc Prof (2008); BS, Humboldt State; MS, PhD, Univ of Colorado, Boulder

Riordan, Craig, Prof (2001); BS, Montclair State College; MS, Radford Univ; PhD, University of Maine

Library

Berman, Joan, Libr (1972); BA, Swarthmore, MA, MLS, UC Berkeley

Karajova, Katia, Sr. Asst Librarian (2013); MS, Sofia Univ; MLIS, San Jose State Univ

Philips, Sarah, Sr. Asst Librarian (2012); BA, UC Davis; MLS, Univ of Maryland

Salvano, Chris, Sr. Asst Librarian (2013); BA, Sonoma State Univ; MLIS, UC Los Angeles

Shellhase, Jeremy, Libr (2000); BS, MALS, Iowa; MBA, Pittsburgh

Wrenn, George, Assoc Libr (2005); AB, Harvard; MLIS, UCLA

Mathematics

Ballinger, Bradley, Asst Prof (2009); BS, MA, PhD, UC Davis

Dugaw, Chris, Assoc Prof (2005); BS, Western Washington; MS, Univ of Washington; PhD, UC Davis

Evans, Tyler, Prof (2002); BA, Sonoma State Univ; MS, University of Oregon; PhD, UC Davis

Flashman, Martin, Prof (1981); BA, MA, PhD, Brandeis; JD, New York

Freedman, Walden, Prof (2001); BA, UC Berkeley; MA, University of Michigan; PhD, UC Santa Barbara

Goetz, Peter, Assoc Prof (2006); BA Univ of Oregon; MS, Univ of Washington; PhD, Univ of Oregon

Haag, Jeffrey, Prof (1990); BS, MS, Northern Arizona; PhD, Washington State

Hasan, Abeer, Asst Prof (2013); BS, MA, Univ of Jordan; MS, Univ of Toledo; PhD, Bowling Green State Univ

Johnson, Diane, Prof (1990); BA, Humboldt State; MS, PhD, Oregon

Kim, Yoon, Prof (1992); MS, Wright State; Seoul National Univ; PhD, Virginia Polytechnic

Mazzag, Borbala (Bori), Assoc Prof (2005); BA UC Santa Cruz, MS, PhD, UC Davis

Oliver, Dale, Prof (1991); BS, Calvin Col; MS, PhD, Colorado State Univ

Owens, Kenneth, Assoc Prof (2001); BA, UC Berkeley; MA, San Francisco State Univ; PhD, University of Southern CA

Rizzardi, Mark, Prof (1996); BA, UC San Diego; MS, PhD, UC Berkeley

Music

Cline, Gilbert, Prof (1982); BA, Humboldt State; MA, CSU Hayward; DMA, Oregon

Cummings, Paul, Assoc Prof (2005); BM, Cincinnati Col/Conservatory of Music; MM, San Francisco State Univ; DMA, Oregon

Harrington, Elisabeth, Assoc Prof (2006); BA, UNC Greensboro; MM, UNC Chapel Hill; DMA, Univ of Colorado, Boulder

Mineva, Daniela, Assoc Prof (2008); DMA, Eastman School of Music; MM, Univ of No Texas, Denton; BA, MM, State Academy of Music Pancho Vladigerov, Sofia, Bulgaria

Moyer, Cindy, Prof (1995); BA, MA, MM, DMA, Eastman School of Music

Muilenburg, Harley, Prof (1983); BS, North Dakota State; MST, Wisconsin-Eau Claire; DMA, Arizona State

Novotney, Eugene, Prof (1985); BM, Cincinnati Col/Conservatory of Music; MM, DMA, Illinois

Post, Brian, Prof (1998); BA, CSU Hayward; MM, DA, Northern Colorado

Native American Studies

Giovannetti, Joseph, Assoc Prof (1994); BA, MA, Humboldt State; PhD, Sierra

Sherman, Marlon, Assoc Prof (2003); BA, UC Santa Cruz; JD, University of Colorado

Oceanography

Abell, Jeffrey, Assoc Prof (2006); BS, U Miami; MS, PhD, Univ of Washington, Seattle

Borgeld, Jeffry, Prof (1986); BS, Humboldt State; MS, PhD, Washington

Cass, Christine, Asst Prof (2011); BA, Pomona College; PhD, Univ of South Florida

Philosophy

Bockover, Mary, Prof (1989); BA, St Mary's Col, Maryland; MA, PhD, UC Santa Barbara

Goodman, Michael, Prof (1984); BA, Humboldt State; MA, San Diego State; PhD, Michigan State

Heise, David, Assoc Prof (2006); BA, CSU Sacramento, MA, PhD, So Illinois Univ, Carbondale

Powell, John W, Prof (1993); BA, Missouri; MA, PhD, Oregon

Shaeffer, H Benjamin, Asst Prof (2002) BA, UC Santa Cruz; MA, PhD, UC Santa Barbara

Physics & Astronomy

Bliven, Wes, Assoc Prof (1995); BS, Santa Clara; PhD, Cornell

Hoyle, Charles D, Assoc Prof (2007); BA, Colorado; MS, PhD, Washington

Mola, Monty, Prof (2002), BS, St. Marys College of Calif; PhD, Montana State Univ

Politics

Baker, Mark, Assoc Prof (2006); BA, UC Santa Cruz; MS & PhD, UC Berkeley

Burkhalter, Stephanie, Assoc Prof (2007); BA, Maryland; MA George Washington; PhD, Washington

Chang, Joyce, Asst Prof (2013); BS, UC Berkeley; JD, Ohio State Univ; PhD, Indiana Univ

Harris, Albert, Prof (1990); BA, Ohio State; MA, PhD, Washington

Meyer, John, Prof (1998); BA, Colorado Col; MA, PhD, Wisconsin-Madison

Sonntag, Sam, Prof (1986); BA, MA, PhD, Washington

Zerbe, Noah, Assoc Prof (2004); BA, MA Northern Arizona Univ, PhD, York Univ

President's Office

Mullery, Colleen, Sr. Assoc Vice President for Faculty Affairs & Human Resources (1984); BS, MBA, Shippensburg; PhD, Portland State

Psychology

Aberson, Chris, Prof (2000); BA, CSU Northridge; MA, PhD, Claremont Grad Univ

Campbell, David, Prof (1981); BA, UC Berkeley; MS, San Francisco State; PhD, Houston

Duncan, Brent, Prof (1990); BA, Dominican; MA, PhD, UC Berkeley

Eckerd, Lizabeth, Assoc Prof (2008); BA, Univ of Illinois at Urbana-Champaign; MS, PhD, Univ of Kentucky

Gahtan, Ethan, Assoc Prof (2005); BA, Macalester; MA, PhD, University of Minnesota

Gold, Gregg, Prof (2000); BA, UCLA; MA, CSU Northridge; PhD, UCLA

Howe, Tasha, Prof (2002); BA, UC Santa Barbara; MA, PhD, UC Riverside

Kim, Sangwon, Asst Prof (2013); BA, MA, Ewha Womans Univ; PhD, Univ of Georgia

Reynolds, William, Prof (2000); BA, UC Berkeley; PhD, Univ Oregon

Religious Studies

Herbrechtsmeier, William, Prof (1991); BA, Iowa; MA, PhD, Columbia/Union Theological Seminary

Social Work

Abarca, César, Asst Prof (2013); BA, MS, San Francisco State Univ; PhD, Boston Univ

Maguire, Jennifer, Asst Prof (2013); BA, MSW, CSU Chico; PhD, Oregon State Univ

Swartz, Ronnie, Prof (2004); BA, Brown, MSW, Michigan; PhD, Fielding

Waller, Margaret, Assoc Prof (2006); MSW, Univ of Illinois, Chicago; PhD, Univ of Chicago

Yellow Bird, Michael, Prof (2009); BSW, Univ of No Dakota, Chicago; MSW, Univ of Wisconsin, Milwaukee; PhD, Univ of Wisconsin, Madison

Sociology

Byrd, Renee, Asst Prof (2013); BA, Mills College; PhD, Univ of Washington

Chew, Sing, Prof (1990); BA, McMaster; MA, Queens; PhD, Carleton

Eichstedt, Jennifer, Prof (1995); BA, Washington; MA, Univ of Mass; PhD, UC Santa Cruz

Meisel, Joshua, Assoc Prof (2008); BA, UC Santa Cruz; PhD, Univ of Colorado, Boulder

Virnoche, Mary, Prof (2001); BA, Univ of Wisconsin; MA, Univ of Northern Colorado; PhD Univ of Colorado, Boulder

Williams, Meredith, Asst Prof (2013); BA, MA, PhD, Washington State Univ

Theatre, Film & Dance

Alter, Ann, Prof (1992); BS, Oregon; MFA, Ohio Univ

Butcher, Sharon, Assoc Prof (2003); BS, Univ of Maryland, College Park; MFA, Univ of Colorado, Boulder

Kelso, Margaret Thomas, Prof (1996); BS, Queens Col; MA, North Carolina-Charlotte; MFA, Carnegie Mellon

Robison, Lisa Rae, Assoc Prof (2006); BA, Missouri Valley Coll; MFA, UC Irvine

Scheerer, David, Prof (2006); BA, Eastern Washington Univ; MFA, Brigham Young Univ

Swetz, Mark, Asst Prof (2013); BA, Pennsylvania State Univ; MA, Ohio State Univ

Wildlife Management

Barton, Daniel, Asst Prof (2013); BS, Evergreen State College; PhD, Univ of Montana

Bean, William, Asst Prof (2013); BA, Columbia Univ; MS, PhD, UC Berkeley

Black, Jeff, Prof (1998); BA, Hiram Col; PhD, Wales

Brown, Richard, Assoc Prof (2008); BS, UC Davis; MA, Boulder; PhD, UC Berkeley; DVM, UC Davis

Colwell, Mark, Prof (1989); BA, Whitman Col; PhD, North Dakota

Johnson, Matthew, Prof (1999); BS, UC Davis; PhD, Tulane Univ

Szykman Gunther, Micaela, Assoc Prof (2006); BA, Amherst College; PhD, Michigan State University

World Languages and Cultures

Benavides-Garb, Rosamel, Prof, Spanish (1991); BA, Oregon/Universidad de Chile; MA, PhD, Oregon

Brintrup, Lillianet, Prof, Spanish (1990); BA, MA, Universidad de Concepción (Chile); PhD, Michigan

Budig-Markin, Valérie, Prof, French & Spanish (1985); BA, Grinnell Col; MA, PhD, Oregon; Maîtrise, Univ Paris IV, Sorbonne

Dean, Matthew, Asst Prof, Spanish (2008); BA, CSU San Marcos; MA, San Diego State Univ; PhD, UC Riverside

Diémé, Joseph, Asst Prof, French (2008); Licence, Maîtrise, Université de Poitiers; MA, PhD, University of Iowa

EMERITUS FACULTY

Dates = years of employment/retirement

- **Aalto, Kenneth**; Geology (1974-2004)
- **Albright, Claude, Jr.**; Hist (1964-1990)
- **Allen, Ben**; Bus & Econ (1981-2003)
- **Allen, Bill**; Biol (1966-1998)
- **Allen, Gerald M**; For & Wshd (1976-2001)
- **Allen, Thomas**; Educ (1985-1991)
- **Allyn, David**; Hist (1969-1998)
- **Anderson, Carolyn**; Educ (1982-2003)
- **Anderson, Charles 'Mike'**; ERE (1973-2006)
- **Anderson, Dennis**; Biol (1961-1991)
- **Anderson, Linda**; Nurs (1979-2003)
- **Anderson, William T**; Art (1967-2001)
- **Armstrong, Susan**; Phil (1972-2004)
- **Astrue, Robert**; Phys (1966-1995)
- **Aziz, Abdul**; Bus & Econ (1986-2000)
- **Badgett, Lee**; Bus & Tech (1985-1990)
- **Bao, Wurlig**; World Lang & Cultures (1999-2012)
- **Bartlett, Maria**; Soc Work (1999-2006)
- **Bazemore, Jean**; Thea Film Dan (1969-2000)
- **Beal, Brenda**; Educ (1974-1995)
- **Beck, Gerald**; Thea Film Dance (1969-1992)
- **Beiffuss, Erwin**; Biol (1957-1976)
- **Bennett, Susan**; Engl (1987-2008)
- **Bennion, Lowell**; Geog (1970-1999)
- **Bennion, Sherilyn**; Jrn Mas Com, WS (1971-1996)
- **Benson, Diane**; Nurs (1999-2009)
- **Berke, JoAnne**; Art (1994-2013)
- **Bicknell, Susan**; Forestry (1978-2004)
- **Bigg, William**; For & Wld Res (1979-2007)
- **Biles, Charles**; Math (1969-2005)
- **Bivens, William, III**; Engl (1970-2001)
- **Blaisdell, James**; Comp Sci (1982-98)
- **Blank, Paul**; Geog (1995-2010)
- **Bond, Kenneth M**; Bus (1988-2005)
- **Borgers, Tom**; Chem (1967-2002)
- **Botzler, Richard**; Wldf (1970-2007)
- **Botzler, Sally**; Education (1990-2007)
- **Bowes, Michael**; Biol Sci (1975-2004)
- **Bowker, Lee H**; Sociol (1987-2001)
- **Bowlus, Donald**; Psyc (1956-1980)
- **Bowman, Greg**; Chem (1966-1994)
- **Bowman, Susan**; Nurs (1978-1998)
- **Boyd, Milton**; Biol Sci (1972-2006)
- **Braund, Robert**; Educ (1968-1986)
- **Bravo, Michael**; Art (1973-2004)
- **Brenneman, Kristine**; Fish Biol (1996-2012)
- **Bright, Lewis**; Comm (1965-1996)
- **Brown, Pamela A**; Soc Work (2001-2009)
- **Brueske, William**; Biol (1966-1998)
- **Brusca, Stephen**; Phys (1981-2005)
- **Buck, Whitney**; Engl (1964-1992)
- **Burke, Raymond**; Geol (1979-2009)
- **Burroughs, Ann**; Comp Sci (1982-2006)
- **Burroughs, Robert C**; English (1967-1994)
- **Butcher, Lucy**; Library (1965-1982)
- **Calhoun, Roland**; Psyc (1969-1988)
- **Campbell, Harold**; CS (1989-2009)
- **Cannon, Edward 'Chip'**; Kines (1982-2007)
- **Carlson, Steven**; Enrs (1983-2004)
- **Carlson, Warren**; Psyc (1968-1998)
- **Carlton, Karen**; English (1983-2004)
- **Carver, Gary**; Geol (1973-1998)
- **Chadwick, Sharon**; Lib (1980-2013)
- **Chaffey, Kay Gott**; Health & PE (1952-1982)
- **Chamberlin, Charles**; ERE (1983-2010)
- **Chaney, Ronald**; ERE (1981-2004)
- **Cheek, Frank**; Health & PE (1969-2000)
- **Cherry, Pamela**; Nurs (1999-2004)
- **Chinn, Leung**; Phys (1968-2000)
- **Chinn, Phyllis Z**; Math (1975-2005)
- **Chu, Kai**; Comp Sci (1979-2008)
- **Clark, Thomas**; Chem (1959-2000)
- **Clendenning, Lester**; Phys (1958-2001)
- **Cole, Robert**; Comm (1970-1980)
- **Coleman, John**; Geog (1964-1989)
- **Collins, Chester**; Psyc (1956-1979)
- **Cooper, Charlotte**; Educ (1952-1975)
- **Corbett, Kathryn**; Soc, Wom Std (1952-1980)
- **Cornejo, Rafael**; Spanish (1972-2000)
- **Costello, John**; Health & PE (1997-2003)
- **Coyne, Peter**; Speech Comm (1968-1996)
- **Cranston, Jeneral**; Thea, Wom Std (1969-1992)
- **Crawford, James**; Art (1977-2007)
- **Crosbie, Jane**; Nurs (1980-2000)
- **Crosby-Muilenburg, Corryn**; Lib (1984-2005)
- **Crowe, Martha**; Educ (1972-1982)
- **Dalsant, Barry**; Engl (1970-2004)
- **Daniel, William**; Gov & Politics (1972-2007)
- **Day, Richard**; Engl (1959-1987)
- **deAngelis, Marie**; Ocean (1993-2004)
- **De Martini, John**; Biol (1963-1997)
- **Derden, James, Jr**; Phil (1969-2000)
- **Di Costanzo, Charlie**; Art (1973-2000)
- **Diez, Andres A**; Spanish (1988-2005)
- **Diver-Stammes, Ann**; Educ (1990-2012)
- **Dobkin, Milton**; Comm (1955-1983)
- **Dodge, Jim**; Engl (1996-2008)
- **Dupree, James**; Psyc (1989-2009)
- **Early, Thomas**; Phil (1971-2001)
- **Elkins, Robert**; Educ (1986-1992)
- **Elmore, Bettye**; Psyc (1977-2007)
- **Emenhiser, JeDon**; Govt Poli (1977-2004)
- **Esgert, Miles**; Educ (1959-1983)
- **Everding, Robert**; Thea Film Dan (1988-1997)
- **Fairless, Ben**; Soc Work (1968-1998)
- **Figone, Albert**; Health & PE (1980-2003)
- **Fitzsimons, Dennis**; Geog (2002-2012)
- **Fox, Lawrence**; For & Wtrshd (1976-2004)
- **Fox, Stephen**; Hist (1969-1999)
- **Frances, Susan**; Psyc (1973-2001)
- **Freeland, Dean**; Hydrol (1967-1983)
- **Frisch, Noreen**; Nurs (1990-1998)
- **Fritzsche, Ronald**; Fish (1980-2004)
- **Frost, Nancy**; Child Dev (1971-2002)
- **Frye, Robert**; Bus & Econ (1985-1992)
- **Fulgham, Kenneth**; Range (1978-2009)
- **Fulton, Gloria**; Library Info Svc (1970-2000)
- **Fults, Gail**; Bus (1986-2009)
- **Gaasch, James**; French (1974-2001)
- **Gage, Thomas**; Engl (1976-2000)
- **Gai, John**; Soc Work (1975-2003)
- **Garlick, Donald**; Geol (1969-1998)
- **Gast, James**; Ocean (1961-1992)
- **Gearheart, Robert**; ERE (1975-1998)
- **Gelenian, Keri**; Educ (1998-2010)
- **George, Luke**; Wldf (1991-2012)
- **Gilchrist, Richard**; Biol (1969-1998)
- **Golightly, Richard**; Wldf (1981-2012)
- **Golla, Victor**; Anth (1988-2012)
- **Grobe, John**; Bus & Econ (1967-1996)
- **Gruber, Mary**; Psyc (1974-2003)
- **Guillaume, Alfred, Jr**; French (1994-1999)
- **Gutierrez, Ralph**; Wldf (1979-2000)
- **Handwerker, Penn**; Anthro (1972-1995)
- **Hankin, David**; Fish Biol (1979-2010)
- **Hanson, Mervin**; Chem (1965-2000)
- **Hansis, Richard A**; Enrs (1999-2005)
- **Harris, Stanley**; Wldf (1969-1992)
- **Harwood, Thomas Mark**; Psyc (2002-2007)
- **Hashem, Gene**; Educ (1970-1992)
- **Haston, Bruce**; Govt Pol (1969-1992)
- **Hauxwell, David L**; Range/Soils (1966-2001)
- **Havelka, Juliette**; French (1971-1980)
- **Heckel, John**; Thea Film Dan (1973-2002)
- **Hedrick, Donald**; Range/WldSoil (1969-1980)
- **Heinsohn, Marvin**; Educ (1982-1992)
- **Hellyer, Paul**; Thea Film Dance (1981-1991)
- **Henderson, Lee**; Comp Sci (1985-1994)
- **Hendricks, Herbert**; Educ (1969-1992)
- **Hendrickson, Gary**; Fish Biol (1978-2012)
- **Hennings, John**; Chem (1967-2002)
- **Hess, Ivan**; Thea Film Dance (1971-2000)
- **Hewston, John**; NRPI (1966-1987)
- **Higgins, Susan**; Coll Prof Studies (2002-2008)
- **Hines, Robert**; Bus & Econ (1973-1997)
- **Hodgkins, Gael**; Relig Std (1976-1990)
- **Hodgson, Robert**; Ocean (1972-1992)
- **Honsa, Bill**; Engl (1967-1996)
- **Hopkins, Geraldine**; Educ (1989-2000)
- **Householder, James**; Math (1959-1981)
- **Holschuh, Jane**; Soc Work (2004-2009)
- **Howard, James**; Biol Sci (2000-2010)
- **Hui, Lumei**; Psyc (1996-2011)
- **Humphry, Kenneth**; Psyc (1955-1983)
- **Hunt, James**; Health & PE (1966-1986)
- **Hunt, Robert W**; Math (1976-2001)
- **Hurley, Richard**; Biol (1966-1996)
- **Isaacson, Mark**; Art (1982-2002)
- **Jackson, Hal**; Geog (1973-1992)
- **Jackson, Lynn**; Math (1967-1990)
- **Jager, Douglas**; Forest, Wtrshd (1972-2000)
- **Jenkins, Stephen**; Relig Std (1998-2013)
- **Jensen, Betty**; Nurs (1995-2003)
- **Jewett, Frank**; Bus & Econ (1966-1986)
- **Johansen, Martha**; Lib (1986-2010)
- **Johnson, James**; Engl (1967-2001)
- **Johnson, Ronald**; Art (1974-1998)
- **Jolly, Frank**; Ind Tech (1965-1992)
- **Jones, Thomas A**; Geog (1968-2005)
- **Kaster, Manuel**; Biol (1965-1992)
- **Kates, Philip**; Mus (1966-1995)
- **Kay, Mary**; Library (1991-2011)
- **Kelly, Paul**; Phys (1968-1991)
- **Kelly, Robert**; Health & PE (1967-2000)
- **Kennemer, Hubert**; Mus (1970-1997)
- **Kenyon, Peter**; Bus & Econ (1984-2003)
- **Kenyon, Sharmon**; Lib (1983-2007)

- **Kilmer, Frank**; Geol (1964-1983)
- **Kinzer, David**; KRA (1977-2008)
- **Kitchen, David**; Wildf (1972-2005)
- **Kozlak, Jeanne**; Nurs (1975-2008)
- **Krause, Jerrald**; Soc (1971-2000)
- **LaBahn Clark, Kathleen**; German (1983-2011)
- **Lamberson, Roland**; Math (1980-2004)
- **Lamp, Nancy**; Thea Film Dance (1974-1991)
- **Land-Weber, Ellen**; Art (1974-2001)
- **Lang, Kenneth**; Biol (1970-2001)
- **Langlois, Aimee**; Child Dev (1980-2007)
- **LaPlantz, David**; Art (1971-2002)
- **Largent, David**; Biol (1968-2001)
- **Larson, Mark**; Jrn & MC (1975-2009)
- **Lasko, Carol**; Chem (1990-2010)
- **Lee, Sue**; Biol (1969-1996)
- **Leeper, Joseph**; Geog (1972-2004)
- **Leftridge, Leonard**; Educ (1979-2000)
- **Lehman, Peter**; ERE (1979-2012)
- **Lehre, Andre**; Geol (1981-2011)
- **Lester, William**; Biol (1970-1998)
- **Levine, MaryAnne**; Nurs (1983-2010)
- **Little, Judith**; Soc (1980-2008)
- **Littlejohn, Stephen**; Comm (1970-1996)
- **Lovelace, James**; Biol (1965-1997)
- **Lowery, Bette**; Prof Studies (1983-1996)
- **Lowry, John**; Bus & Econ (1980-1996)
- **Mace, Miriam L**; Thea Film Dan (1978-2001)
- **Mack, Herschel L**; Comm (1970-2001)
- **MacConnie, Susan E**; Kins (1989-2008)
- **MacPherson, Helen**; Educ (1948-1970)
- **Mahar, Franklyn**; Hist (1968-1992)
- **Mahler, Donald**; Psych, Spec Ed (1968-1986)
- **Manier, Martha**; Spanish (1981-2006)
- **Marak, Louis B**; Art (1969-2001)
- **McBroome, Delores**; Hist (1991-2009)
- **McClary, Maclyn H**; Jrn & MC (1967-2001)
- **McCrone, Alistair**; Geol (1974-2002)
- **McGaughey, Russell W**; Engl (1968-2004)
- **McHugh, James**; Thea Film Dan (1992-2013)
- **McKee, Mac**; ERE (1984-1998)
- **McLoney, Jason**; Ind Tech (1972-1992)
- **McNelis, James**; Engl (1956-1981)
- **Mesinger, Bonnie**; Comm (1974-1998)
- **Meyer, Richard**; Biol (1968-1998)
- **Minty, Judith**; Engl, Women Std (1982-1992)
- **Mitsanas, Demetri**; Art (1968-1994)
- **Moon, Charles**; Mus (1958-1988)
- **Morgan, John**; Psych (1969-2000)
- **Morgan, Sanderson**; Art (1980-2005)
- **Mortazavi, Saeed**; Bus (1984-2012)
- **Mossman, Archie**; Wildf (1961-1980)
- **Mueller, Carolyn**; Lib (1988-2010)
- **Mulligan, Timothy**; Fish Biol (1987-2013)
- **Munoz, Kathy**; KRA (1995-2010)
- **Murison, William**; NRPI (1966-1988)
- **Musselman, Dennis**; Psych (1962-1999)
- **Myers, Charles**; Thea Film Dan (1969-1998)
- **Nachem, Beverly F**; Nurs (1980-2005)
- **Nakamura, Ken**; Soc Work (1997-2008)
- **Nelson, Scott**; Health & PE (1967-2000)
- **Noble, Peter**; Bus (1998-2005)
- **Norris, Daniel**; Biol (1967-1991)
- **Norton, Jack**; Ethnic Studies (1972-1997)
- **Okin, Louis**; History (1969-2001)
- **Oliner, Pearl**; Educ (1974-1993)
- **Oliner, Samuel**; Sociol (1971-1994)
- **Osborn, Alane**; Psych (1989-2001)
- **Oyler, David**; Library (1976-1991)
- **Park, Yung**; Govt Pol (1966-1988)
- **Partain, Elizabeth**; Health & PE (1967-1982)
- **Partain, Gerald**; Forestry (1954-1983)
- **Paselk, Richard**; Chem (1976-2010)
- **Patel, Vithal**; Math (1969-1999)
- **Peithman, Roscoe**; Phys (1946-1977)
- **Pence, Ellsworth**; French (1973-1999)
- **Pequegnat, John**; Ocean (1971-2004)
- **Perryman, Wayne**; Library (1995-2012)
- **Phillips, Valgene**; Mus (1967-2004)
- **Plank, Robert**; Geog (1970-1994)
- **Poelzer, Dolores**; Soc (1972-1992)
- **Potter, Denis**; Ind Tech (1975-2000)
- **Preston, Kathleen**; Psych, Wom Std (1971-1992)
- **Price, Leslie**; Art (1972-2005)
- **Price, Thomas**; Educ (1970-1986)
- **Rafferty, Cathleen**; Educ (2000-2010)
- **Rasmussen, Robert**; Biol (1966-1997)
- **Rice, Judy**; Nurs (1978-2001)
- **Rice, Lawrence**; Educ (1996-2013)
- **Richter, Glenda**; German (1958-1987)
- **Ridenhour, Richard**; Fish Biol (1960-1992)
- **Rigby, Wanda**; Jrn Mass Com
- **Robison, Houston**; Behav Soc Sci (1969-1977)
- **Roelofs, Terry D**; Fish Biol (1970-2005)
- **Roscoe, Charles**; ERE (1957-1983)
- **Rose, Philip**; Ind Tech (1973-2001)
- **Ross, Sheila**; Art (1975-2001)
- **Ruggles, Charles**; Engl (1966-1976)
- **Ruprecht, Theodore**; Bus & Econ (1958-1991)
- **Russell, John**; Chem (1956-1992)
- **Samuelson, Ralph**; Engl (1956-1986)
- **Santos, Terry**; Engl (1991-2009)
- **Sathrum, Robert**; Library (1974-2008)
- **Sattinger, Gerald**; Govt & Poli (1970-1998)
- **Sawatzky, Jasper**; Comp Sci (1959-1987)
- **Schafer, Donna**; ORGS (2000-2006)
- **Schafer, John**; Engl (1981-2003)
- **Schimps, Erich**; Library (1964-1997)
- **Scott, Andrew 'Mort'**; Art (1975-2007)
- **Seitzer, Marlys**; Nurs (1975-1994)
- **Shaffer, Peter Mark**; German (1966-1998)
- **Sibley, Brooks**; Forestry (1969-2000)
- **Sievers, Linda**; Thea Film Dan (1984-2006)
- **Sievers, Rodney M**; Hist (1971-2001)
- **Simmons, Greg**; Health & PE (1982-2006)
- **Simmons, Lindsay**; Educ (1972-1991)
- **Sin, Srun M**; For & Wshd (1976-2001)
- **Sise, William**; For & Wshd (1970-2004)
- **Smith, James**; Biol (1969-2000)
- **Smith, Nathan**; Ethnic Studies (1986-2001)
- **Spaid, Stanley**; Hist (1949-1971)
- **Sprankle, Norman**; Ind Tech (1969-2001)
- **Squires, Larry**; Engl (1965-1983)
- **Stanard, James E**; Mus (1972-2001)
- **Stauffer, Howard**; Math (1984-2006)
- **Steinhagen, Elizabeth**; Library (1989-98)
- **Stepp, Richard**; Phys (1973-2007)
- **Stokes, Charlotte**; Art (1999-2007)
- **Stoob, John C**; Comp Sci (1981-2002)
- **Stradley, Jean**; Educ (1958-1986)
- **Stuart, John**; Forestry (1982-2012)
- **Stull, Richard**; KRA (1989-2011)
- **Sullivan, Calista**; Library (1996-2003)
- **Sullivan, William**; For/Soils (1974-1997)
- **Sundet, Stuart**; Art (1968-1992)
- **Sundstrom, Roy**; Hist (1969-1998)
- **Suryaraman, M G**; Chem (1966-1991)
- **Tam, Patrick**; Phys (1969-2003)
- **Tang, Victor**; Math (1963-1988)
- **Thobaben, Marshelle**; Nurs (1982-2007)
- **Thompson, Richard L**; Phys (1968-2001)
- **Thompson, Robert**; Ocean (1965-1983)
- **Tucker, Roy**; Math (1959-1988)
- **Turner, John P**; Engl (1970-2002)
- **Turner, Sara**; Soc Work (1976-1991)
- **Upatisringa, Vis**; Math (1969-1997)
- **Van Den Bergh, Nancy**; Soc Work (1996-2003)
- **van Putten, Barbara**; Health & PE (1961-1992)
- **VanKirk, Robert**; NRPI (1969-1990)
- **VanKirk, Robert**; Math (2008-2013)
- **Verlinden, Jay**; Comm (1987-2012)
- **Vrem, Richard**; Math (1980-2007)
- **Walker, Dennis**; Biol Sci (1965-2005)
- **Waters, James**; Biol (1966-1998)
- **Watson, Elizabeth**; Soc (1989-2011)
- **Webb, Edward 'Buzz'**; Psych (1976-1999)
- **Webb, Sheila**; Educ (1987-1999)
- **Weinstein, Josh**; Psych (1969-1998)
- **Wells, Harry**; Rel Stds (1989-2010)
- **Welsh, James F**; Zool (1959-1986)
- **Wenger, Patrick**; Anth (1969-2003)
- **White, Robert**; Govt; Poli (1969-1999)
- **Wieand, Lou Ann**; Psych (1984-2008)
- **Willis, Robert**; ERE (1977-2010)
- **Wilson, Herschel 'Pete'**; Jrn Mass Comm (1971-1990)
- **Wimmer, Ted**; Library (1969-1988)
- **Wisner (Reading), Ida**; Library (1968-1978)
- **Wood, William**; Chem (1976-2008)
- **Woodward, Wendy**; Nurs (1979-2007)
- **Yancey, Patricia**; Educ (2003-2011)
- **Yanosko, Kenneth**; Math (1977-2004)
- **Yarnall, John**; Biol (1969-1992)
- **Yee, Carlton**; Forestry (1970-2000)
- **Yingling, Julie**; Comm (1988-2004)
- **Young, Todd**; Anth (1970-2000)
- **Zulauf, Dwight**; Bus & Econ (1985-1990)

STUDENT RIGHTS, RESPONSIBILITIES & THE FINE PRINT

Academic Honesty / Dishonesty

Academic honesty is of serious concern at Humboldt. It is integral to all six principles for building a successful campus community (see Rights & Responsibilities), especially to the maintenance of a "just" and "disciplined" campus. Students are expected to maintain high standards of academic integrity.

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

- a) Copying graded homework assignments from another student.
- b) Working together on a take-home test or homework when specifically prohibited by the instructor.
- c) Looking at another student's paper during an examination.
- d) Looking at text or notes during an examination when specifically prohibited by the instructor.
- e) Accessing another student's computer and using the student's program as one's own.

Providing Information

- a) Giving one's work to another to be copied or used in an oral presentation.
- b) Giving answers to another student during an examination.
- c) After having taken an exam, informing another person in a later section about questions appearing on that exam.
- d) Providing a term paper to another student.
- e) 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, the student will be permitted to remain in the class during the formal hearing process (as outlined in CSU Executive Order 1073).

The instructor shall contact the student in writing with evidence of the cheating 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 Coordinator of Student Rights & Responsibilities, Student Affairs, 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; suspension or dismissal from individual programs; 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:

- a) Copying homework answers from the text to hand in for a grade.
- b) 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.
- c) Submitting a paper purchased from a "research" or term paper service.
- d) Retyping a friend's paper and handing it in as one's own.
- e) Giving a speech or oral presentation written by another and claiming it as one's own work.
- f) Claiming credit for artistic work done by someone else, such as a music composition, photos, a painting, drawing, sculpture, or design.
- g) 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. If this is a first violation by the student, this initial contact may remain at an informal level. In this contact, the student and instructor shall attempt to come to a resolution of the event. The instructor may assign an F or zero 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 might be filed

with the Office of Student Rights & Responsibilities for information-only purposes. Such a report will be witnessed by both the instructor and student. If no resolution can be reached within a week of initial contact, the case could be referred to the Office of Student Rights & Responsibilities using the Academic Dishonesty Referral form.

If the violation is repeated, the instructor will contact the student within one week of discovery, describe the event deemed to be dishonest, and notify the student that the Academic Dishonesty Referral form has been filed with the Office of Student Rights & Responsibilities.

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 and the CSU system.

Other Examples of Academic Dishonesty. 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:

- a) Planning with one or more fellow students to commit any form of academic dishonesty together.
- b) Giving a term paper, speech, or project to another student whom one knows will plagiarize it.
- c) Having another student take one's exam or do one's computer program, lab experiment, or artistic work.
- d) Lying to an instructor to increase a grade.
- e) Submitting substantially the same paper or speech for credit in two different courses without prior approval of the instructors involved.
- f) Altering a graded work after it has been returned, then submitting the work for regrading without the instructor's prior approval.
- g) 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 be happy to 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, Nelson Hall East 206, or the Dean for Academic Programs & Undergraduate Studies, Siemens Hall 216G.

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. Humboldt State University 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 Humboldt State University policy, as well as State law.

Humboldt State University 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:

[A]ny 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 Humboldt State University 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 Humboldt State University 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 online at publicdocs.maxient.com/reportingform.php?HumboldtStateUniv&layout_id=1

Prohibition Against Retaliation

"Retaliation" means adverse action taken against a student because the student has or is believed to have 1) reported or opposed conduct which the student reasonably and in good faith believes is hazing or 2) 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 Humboldt State University and the California State University system.

Code of Conduct and Student Discipline

Students at Humboldt State University 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.

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.

Title 5, California Code of Regulations, § 41301. Standards for Student Conduct.

(a) 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.

(b) 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 officer.
 - 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:
 - A. Unauthorized entry into a file, for any purpose.
 - B. Unauthorized transfer of a file.
 - C. Use of another's identification or password.
 - D. Use of computing facilities, campus network, or other resources to interfere with the work of another member of the university community.
 - E. Use of computing facilities and resources to send obscene or intimidating and abusive messages.
 - F. Use of computing facilities and resources to interfere with normal university operations.
 - G. Use of computing facilities and resources in violation of copyright laws.
 - H. 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 of, or interference with, any university officials or any public safety officers 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 well-being 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:
 - A. Falsification, distortion, or misrepresentation of information related to a student discipline matter.
 - B. Disruption or interference with the orderly progress of a student discipline proceeding.
 - C. Initiation of a student discipline proceeding in bad faith.
 - D. Attempting to discourage another from participating in the student discipline matter.
 - E. Attempting to influence the impartiality of any participant in a student discipline matter.
 - F. Verbal or physical harassment or intimidation of any participant in a student discipline matter.
 - G. 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 the person to discipline.

(c) 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.

(d) 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 or summer session in which the student is suspended or expelled shall be refunded. If the student is readmitted before the close of the semester or summer session in which the student 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, or other measures deemed necessary or appropriate to meet the emergency, safeguard persons and property, and maintain educational activities.

The president may immediately impose interim suspension in all cases in which there is reasonable cause to believe such immediate suspension is required to protect lives or property and to ensure the maintenance of order. A student so placed on interim suspension shall receive prompt notice of charges and the opportunity for a hearing within 10 days of the imposition of interim suspension. During the 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.

Notwithstanding any provision in this chapter to the contrary, admission or readmission may be qualified or denied to any person who, while not enrolled as a student, commits acts which, were they enrolled as a student, would be the basis for disciplinary proceedings pursuant to Sections 41301 or 41302. Admission or readmission may be qualified or denied to any person who, while a student, commits acts which are subject to disciplinary action pursuant to Section 41301 or 41302. Qualified admission or denial of admission in such cases shall be determined under procedures adopted pursuant to Section 41301.

Title 5, California Code of Regulations, § 41304. Student Disciplinary Procedures for the California State University.

The Chancellor shall prescribe, and may from time to time revise, a code of student disciplinary procedures for the California State University. Subject to other applicable law, this code shall provide for determinations of fact and sanctions to be applied for conduct which is a ground of discipline under Sections 41301 or 41302, and for qualified admission or denial of admission under Section 41303; the authority of the campus president in such matters; conduct related determinations on financial aid eligibility and termination; alternative kinds of proceedings, including proceedings conducted by a hearing officer; time limitations; notice; conduct of hearings, including provisions governing evidence, a record,

and review; and such other related matters as may be appropriate. The Chancellor shall report to the board actions taken under this section. Humboldt State University does not involve legal counsel in its disciplinary conferences or hearings.

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 Student Affairs, 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 ordered to pay either actual damages or "statutory" damages between \$750 and \$30,000 per work infringed. In the case of a "willful" infringement, a court may award up to \$150,000 per work infringed. Courts also have discretion to award costs and attorneys' fees to the prevailing party. [See 17 U.S.C. §§504 and 505.] Willful copyright infringement can also result in criminal penalties, including imprisonment of up to five years and fines of up to \$250,000 per offense. [See 17 U.S.C. §506 and 18 U.S.C. §2319.]

Family Educational Rights & Privacy Act (FERPA)

The federal Family Educational Rights and Privacy Act of 1974 (20 U.S.C. 1232g) and regulations adopted thereunder (34 C.F.R. 99) set out requirements designed to protect students' privacy in their records maintained by the campus. The statute and regulations govern access to student records maintained by the campus and the release of such records. The law 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 challenge 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. The law generally requires the institution to receive a student's written consent before releasing personally identifiable data about the student. The institution has adopted a set of policies and procedures governing implementation of the statute and the regulations. Copies of these policies and procedures may be obtained from the Office of the Registrar, the Vice Provost for Academic Programs & Undergraduate/Graduate Studies, and the Office of Diversity & Inclusion. Among the types of information included in the campus statement of policies and procedures are: (1) the types of student records maintained and the information they contain; (2) the official responsible for maintaining each type of 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) the procedures for challenging the content of student records; (7) the cost to be charged for reproducing copies of records; and (8) the right of the student 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 design-

ated office is: Family Policy Compliance Office, U.S. Department of Education, 400 Maryland Avenue, SW, Washington, D.C. 20202-5920.

The campus is authorized under the Act to release "directory information" concerning 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 attended by the student. The above-designated information is subject to release by the campus at any time unless the campus has received prior written objection from the student specifying what 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 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. Humboldt 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 system.

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 Dean for Office of Academic Programs & Undergraduate/Graduate Studies.

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 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.

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.

- I. Definitions
- II. Directory Information
- III. Annual Notification
- IV. Inspecting Education Records
- V. Copies
- VI. Custodians of Education Records
- VII. Disclosure of Education Records
- VIII. Challenging the Contents of an Education Record
- IX. U.S. Department of Education Complaints

I. Definitions

For the purposes of this Policy, the following terms are defined below:

- A. Student — any person who is or has been previously enrolled at the University.
- B. Disclosure — access or release of personally identifiable information from an Education Record.
- C. Access — personal inspection of an Education Record or an oral or written description of the contents of an Education Record.
- D. 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:

1. Information designated by the University as Directory Information [See Article II of this Policy];
2. Information provided by parents related to student applications for financial aid or scholarships;
3. Confidential letters or statements of recommendation filed on or before January 1, 1975;

4. Records created and maintained by the University Police Department for law enforcement purposes;
5. Employee records;
6. Records of physicians, psychologists, psychiatrists, or other recognized professional or paraprofessional persons acting in their professional or paraprofessional capacity (e.g. treatment records);
7. Information maintained by instructional, supervisory, administrative, and related educational personnel which is not revealed to any other person except a substitute;
8. Alumni records which contain only information relating to a person after that person was no longer a student.

II. Directory Information

A. 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

B. Right to Request that Directory Information Not be Released. Directory Information is subject to release by Humboldt State University at any time unless a Student submits to the University a prior written request that such information not be released. Currently enrolled students may request that their Directory Information not be released by submitting a completed form to the Office of the Registrar. Forms are available in SBS 133. 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.

III. Annual Notification

The Registrar will ensure that Students are notified of their rights under this Policy by annual publication in the *Registration Guide*, *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.

IV. 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.

V. 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.)

VI. 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: Counseling & Psychological Services Director
- Disciplinary: Coordinator, Office of Student Rights & Responsibilities, Student Affairs
- Extended Education: Extended Education Director
- Graduate student: Dean, Office of Academic Programs & Undergraduate/Graduate Studies
- Health: Student Health Center Director
- Housing: Housing Director
- Financial & Student Payroll: Fiscal Affairs Director
- Financial Aid: Financial Aid Director
- Placement: Career Center Director

VII. 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 Comptroller 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.

VIII. 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.

IX. 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

202-260-3887 (voice)
FAX: 202-260-9001

Individuals who use TDD may call the Federal Information Relay Service at 1-800-877-8339.

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 Humboldt State University in the Fall of 2007: 42%.

The persistence rate for first-time, full-time students who entered Humboldt State University in the Fall of 2012 is 78%.

Previous years rates can be found at www.humboldt.edu/anstud/humis/reten-FAAFFT.html.

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:

- Prior to registration and enrollment: complete the English Placement Test (EPT) and the Entry Level Math test (ELM), or be eligible to take general education-level math and English upon admission to the university. Should your test scores be insufficient to place you in degree-eligible coursework, your time to degree will be increased as you enroll in the necessary remedial coursework in order to become eligible to take GE-level math and English.
- Satisfactorily complete a minimum of 30 non-remedial 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. Also meet with a Transfer & Graduation Counselor (Office of the Registrar, SBS 133) each semester to review academic progress.
- Declare a major at the time of admission or during your first semester. A major change may increase the time to degree.
- Pass the Graduation Writing Proficiency Exam (GWPE) as soon as possible after completing 60 semester units.
- 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.

Grievance Procedure, Student

The Student Grievance Procedures apply to such matters (not an exhaustive list) as appeal of a grade; 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.

A grievable action is an action that is in violation of a written campus policy or procedure, or an established practice. The basis of the grievance is that an action constitutes arbitrary, capricious, or unequal application of a written campus policy or procedure or an established practice.

The HSU 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: www.humboldt.edu/ombuds or the Student Grievance Coordinator: www.humboldt.edu/advise/grievance.html. These persons can provide advice on possible means for resolving the problem without the need for pursuing steps indicated in the Student Grievance Procedures. For those few instances when informal resolution is not possible, the student may utilize the Student Grievance Procedures, which permits timely review and an impartial evaluation of the student's complaint.

Copies of the Student Grievance Procedures can be obtained from the Student Rights & Responsibilities website: www.humboldt.edu/studentrights/complaint_staff.php. **NOTE: There are established timelines for initiating a grievance.**

Regarding the Institution. 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 Western Association of Schools and Colleges (WASC) at www.wascsenior.org/comments. WASC is the agency that accredits the CSU's academic program.
2. If your complaint concerns an alleged violation by CSU of a state law, including laws prohibiting fraud and false advertising, you may present your claim to the campus president or designee at the Office of President, Siemens Hall 224. The president or designee 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 president or designee, or by WASC, you may file an appeal with the Associate Vice Chancellor, Academic Affairs at the CSU Chancellor's Office.

This procedure should not be construed to limit any right that you may have to take civil or criminal legal action to resolve your complaint.

Immigration Requirements for Licensure

The Personal Responsibility and Work Opportunity Reconciliation Act of 1996 (PL 104-93), also known as the Welfare Reform Act, includes provisions to eliminate eligibility for federal and state public benefits for certain categories of lawful immigrants as well as benefits for all illegal immigrants.

Students who will require a professional or commercial license provided by a local, state, or federal government agency in order to engage in an occupation for which the CSU may be training them must meet the immigration requirements of the Personal Responsibility and Work Opportunity Reconciliation Act to achieve licensure. Information concerning these requirements is available from the Vice President for the Office of Academic Affairs, Siemens Hall 216, 707-826-3722.

Institutional & Financial Assistance Information

The following information concerning student financial assistance may be obtained from the Financial Aid Office, SBS 241, 707-826-4321:

1. A description of the federal, state, institutional, local, and private student financial assistance programs available to students who enroll at Humboldt State University;
2. 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;
3. 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;
4. 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;
5. The method by which financial assistance disbursements will be made to students and the frequency of those disbursements;
6. The way the school provides for Pell-eligible students to obtain or purchase required books and supplies by the seventh day of a payment period and how the student may opt out;
7. 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;
8. The general conditions and terms applicable to any employment provided as part of the student's financial aid package;
9. The terms and conditions of the loans students receive under the Direct Loan and Perkins Loan Programs;
10. The exit counseling information the school provides and collects for student borrowers; and

11. Contact information for ombuds offices available for disputes concerning federal, institutional, and private loans.

Information concerning the cost of attending Humboldt State University is available from Student Financial Services, SBS 285, 707-826-6789, 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 Humboldt State University for the return of unearned tuition and fees or other refundable portions of institutional charges is available from Student Financial Services, SBS 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 56, 707-826-4678.

Information concerning Humboldt State University 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, SBS 101, 707-826-5555.

Information concerning Humboldt State University annual campus security report and annual fire safety report may be obtained from the University Police Department, SBS 101, 707-826-5555.

Information concerning the prevention of drug and alcohol abuse and rehabilitation programs may be obtained from the Health Education and Promotion Program in the Student Health, Wellness & Counseling Center, 707-826-5123 or 707-826-3236.

Information regarding student retention and graduation rates at Humboldt State University 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 Office of the Registrar, SBS 133, 707-826-4101.

Information concerning athletic opportunities available to male and female students and the financial resources and personnel that Humboldt State University dedicates to its men's and women's teams may be obtained from the Athletics Office, Kinesiology & Athletics Building, 707-826-3666.

Information concerning teacher preparation programs at Humboldt State University, 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 the academic programs of Humboldt State University may be obtained from the Vice President for the Office of Academic Affairs, Siemens Hall 216, 707-826-3722.

1. The current degree programs and other educational and training programs;
2. The instructional, laboratory, and other physical plant facilities that relate to the academic program;

3. The faculty and other instructional personnel;
4. The names of associations, agencies, or governmental bodies which accredit, approve, or license the institution and its programs, and the procedures under which any current or prospective student may obtain or review upon request a copy of the documents describing the institution's accreditation, approval, or licensing.

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 Human Resources, Siemens Hall 211, 707-826-3626; the Vice President for Academic Affairs, Siemens Hall 216, 707-826-3722; or the Office of Student Rights & Responsibilities, Nelson Hall East 206, 707-826-3504.

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. Males born after December 31, 1959, may be required to submit a statement of compliance with the Act and regulations in order to receive any grant, loan, or work assistance under specified provisions of existing federal law. In California, students subject to the Act who fail to register are also ineligible to receive any need-based student grants funded by the state or a public postsecondary institution.

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. Applicants for financial aid can also request that information provided on the Free Application for Federal Student Aid (FAFSA) be used to register them with the Selective Service. Information on the Selective Service System is available and the registration process may be initiated online at www.sss.gov.

Nondiscrimination Policy

Race, Color, Ethnicity, National Origin, Age, Genetic Information, Religion, and Veteran Status. The California State University does not discriminate on the basis of race, color, ethnicity, national origin, age, genetic information, religion or veteran status 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. Human Resources has been designated to coordinate the efforts of Humboldt State University to comply with all applicable federal and state laws prohibiting discrimination on these bases. Inquiries concerning compliance may be presented to this department at Human Resources, Siemens Hall 211, Humboldt State University, Arcata, CA 95521-8299, 707-826-4501.

Disability. The California State University does not discriminate on the basis of disability 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. Human Resources has been designated to coordinate the efforts of Humboldt State University 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 Human Resources, Siemens Hall 211, Humboldt State University, Arcata, CA 95521-8299, 707-826-4501.

Sex/Gender/Gender Identity/Gender Expression/Sexual Orientation. The California State University does not discriminate on the basis of sex, gender, gender identity, gender expression, or sexual orientation 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. Human Resources has been designated to coordinate the efforts of Humboldt State University to comply with all applicable federal and state laws prohibiting discrimination on these bases. Inquiries concerning compliance may be presented to this department at Human Resources, Siemens Hall 211, Humboldt State University, Arcata, CA 95521-8299, 707-826-4501. The California State University is committed to providing equal opportunities to male and female CSU students in all campus programs, including intercollegiate athletics.

Title IX of the Education Amendments of 1972 protects all people regardless of their gender or gender identity from sex discrimination, which includes sexual harassment and violence:

- Sexual discrimination means an adverse act of sexual discrimination (including sexual harassment and sexual violence) that is perpetrated against an individual on a basis prohibited by Title IX of the Education Amendments of 1972, 20 U.S.C. § 1681 et seq., and its implementing regulations, 34 C.F.R. Part 106 (Title IX); California Education Code §66250 et seq., and/or California Government Code §11135.
- Sexual harassment is unwelcome conduct of a sexual nature that includes, but is not limited to, sexual violence, sexual advances, requests for sexual favors, indecent exposure and other verbal, nonverbal, or physical unwelcome conduct of a sexual nature, where such 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 individual, and is in fact considered by the individual, as limiting the individual's ability to participate in or benefit from the services, activities, or opportunities offered by the university. Sexual harassment also includes gender-based harassment, which may include acts of verbal, nonverbal, or physical aggression, intimidation, or hostility based on sex or sex-stereotyping, even if those acts do not involve conduct of a sexual nature.
- Sexual violence means physical sexual acts (such as unwelcome sexual touching, sexual assault, sexual battery, and rape) perpetrated against an individual without consent or against an individual who is incapable of giving consent due to that individual's use of drugs or alcohol, or disability.
- See further information in Humboldt's sexual violence prevention and education statement, which includes facts and myths about sexual violence at www.humboldt.edu/studentrights/sex_assult.php, www.humboldt.edu/stoprape, and under Sexual Assault Policy.

Whom to Contact If You Have Complaints, Questions, or Concerns. Title IX requires the uni-

versity to designate a Title IX Coordinator to monitor and oversee overall Title IX compliance. Humboldt's Title IX Coordinator is available to explain and discuss your right to file a criminal complaint (for example, in cases of sexual assault); the university's complaint process, including the investigation process; how confidentiality is handled; available resources, both on and off campus; 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:

- Human Resources
Siemens Hall 211
707-826-4501
- University Police
Student & Business Services 101
707-826-5555
- Dean of Students
Nelson Hall East 216
707-826-3361
- U.S. Department of Education
Office for Civil Rights
800-421-3481
ocr@ed.gov

If you wish to fill out a complaint form online with the OCR, you may do so at www2.ed.gov/about/offices/list/ocr/complaintintro.html.

Title IX requires the university to adopt and publish complaint procedures that provide for prompt and equitable resolution of sex discrimination complaints, including sexual harassment and violence. CSU Executive Order 1074 (www.calstate.edu/eo/EO-1074.pdf) is the systemwide procedure for all complaints of discrimination, harassment or retaliation made by students against the CSU, a CSU employee, other CSU students or a third party.

Except in the case of a privilege recognized under California law (examples of which include Evidence Code §§1014 (psychotherapist-patient); 1035.8 (sexual assault counselor-victim); and 1037.5 (domestic violence counselor-victim), any member of the university community who knows of or has reason to know of sexual discrimination allegations shall promptly inform the campus Title IX Coordinator.

Regardless of whether an alleged victim of sexual discrimination ultimately files a complaint, if the campus knows or has reason to know about possible sexual discrimination, harassment, or violence, it must review the matter to determine if an investigation is warranted. The campus must then take appropriate steps to eliminate any sex discrimination/harassment, prevent its recurrence, and remedy its effects.

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 sexual discrimination, harassment, or violence; therefore, victims should not be deterred from reporting incidents of sexual violence 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 violence 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 assault may face criminal prosecution by law enforcement and may incur penalties as a result of civil litigation. In addition, employees and students may face discipline at the university. Employees may face sanctions up to and including dismissal from employment, pursuant to established CSU policies and provisions of applicable collective bargaining unit agreements.

Students who are charged by the university with sexual discrimination, harassment, or violence will be subject to discipline, pursuant to the California State University Student Conduct Procedures (see Executive Order 1073 at www.calstate.edu/eo/EO-1073.pdf 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: 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.

Additional Resources

- Humboldt's sexual violence prevention and education statement, which includes facts and myths about sexual violence at www.humboldt.edu/studentrights/sex_assult.php, www.humboldt.edu/stoprape, and under Sexual Assault Policy.
- U.S. Department of Education, regional office:
Office for Civil Rights
50 Beale Street, Suite 7200
San Francisco, CA 94105
415-486-5555
877-521-2172 (TDD)
- U.S. Department of Education, national office:
Office for Civil Rights
800-872-5327
- *Know Your Rights about Title IX* (www2.ed.gov/about/offices/list/ocr/docs/title-ix-rights-201104.html)
California Coalition Against Sexual Assault
1215 K. Street, Suite 1850
Sacramento, CA 95814
916-446-2520
www.calcasa.org
- *Domestic and Family Violence* (ovc.ncjrs.gov/topic.aspx?topicid=27)
Office of Justice Programs
United States Department of Justice
- National Institute of Justice:
Intimate Partner Violence (www.nij.gov/topics/crime/intimate-partner-violence)
Office of Justice Programs
United States Department of Justice
- National Domestic Violence Hotline
1-800-799-SAFE (7233)
www.thehotline.org
- Office of Violence Against Women
United States Department of Justice
www.ovw.usdoj.gov

- Centers for Disease Control & Prevention: *Intimate Partner Violence* (www.cdc.gov/ViolencePrevention/intimatepartnerviolence/index.html)
- Defending Childhood* (www.justice.gov/defendingchildhood)
United States Department of Justice
- North Coast Rape Crisis Team
707-445-2881
Available 24 hours a day, 7 days a week
- HSU Counseling & Psychological Services
Student Health, Wellness & Counseling Center
Monday through Friday 9:00 A.M. - 4:30 P.M.
707-826-3236 (available 24/7)
www.humboldt.edu/counseling

Humboldt State University
University Management Letter 03-01

Humboldt State University Nondiscrimination Policy February, 2003 (language clarification 09/2008) UML 03-01 (Supersedes University Management Letter 00-03).

Humboldt State University is committed to maintaining an environment free from unlawful discrimination. To fulfill this commitment, the University will work to prevent unlawful discrimination from occurring and will ensure that University policies prohibiting discrimination are fully enforced.

The University affirms and protects the rights of students and employees to seek and obtain the services of the University without discrimination. No employee or student shall on the basis of race, color, gender, religion, age, sexual orientation, marital status, pregnancy, disability, veteran status, or national or ethnic origin be excluded from participation in, be denied the benefits of or be otherwise subjected to unlawful discrimination, including discriminatory harassment, under any program of the University. Employees and students who cause these rights to be violated may be subject to discipline. This policy should not be interpreted as superseding or interfering with collective bargaining agreements or other California State University policies and procedures currently in effect. If discipline of an employee is sought as a remedy under this policy, the procedural rights under applicable collective bargaining agreements and system-wide procedures will continue to apply. However, those rights may not supersede or interfere with the requirements of state and federal law.

[Procedures for processing complaints of unlawful discrimination are available in the Office of President, Siemens Hall 224, and can be found online at www.humboldt.edu/policy/PUML03-01Humboldt-State-University-Nondiscrimination-Policy].

Residence Determination for Nonresident Tuition Fee Purposes

Humboldt's Office of Admissions determines the residence status of most new and returning students for nonresident tuition fee purposes. The Office of Admissions also rules on requests by current students who are seeking reclassification from nonresident to resident status. Residence reclassification forms are available at the Admission

Center (SBS Lobby) or online at www.humboldt.edu/admissions/apply/eligibility/residency.html. Responses to the application for admission, residency questionnaire, and reclassification request form, and, if necessary, other evidence furnished by the student are used in making this determination. A student who fails to submit adequate information establishing a right to classification as a California resident will be classified as a nonresident.

The following statement of the rules regarding residency determination for nonresident tuition fee purposes is not a complete discussion of the law but a summary of the principal rules and their exceptions. The law governing residence determination for tuition purposes by the CSU is California Education Code sections 68000-68090, 68120-68134, and 89705-89707.5, and California Code of Regulations, Title 5, Subchapter 5, Article 4, sections 41900-41916. The Office of Admissions keeps a copy of the statutes and regulations available for inspection, and it can be viewed on the Internet by accessing the California State University's website at www.calstate.edu/GC/resources.shtml.

Legal residence may be established by an adult who is physically present in the state and who, at the same time, intends to make California the person's permanent home. At least one year before the residence determination date, a person must demonstrate an intent to make California the permanent home, with concurrent relinquishing of the prior legal residence.

The steps needed to show such intent vary from case to case. Included among them may be:

- Registering to vote and voting in elections in California
- Filing California income tax returns and listing a California address on federal tax returns
- Owning residential property or occupying or renting an apartment where permanent belongings are kept
- Maintaining active memberships in California professional or social organizations
- Maintaining California vehicle registration and driver's license
- Maintaining active California bank accounts
- If one is in military service, maintaining a permanent military address and home of record in California

A student in the state for educational purposes only does not gain resident status regardless of the length of stay in California.

Students enrolled at Humboldt as visitors through the National Student Exchange program cannot use their time while enrolled as a visitor at Humboldt to gain California resident status.

In general, an unmarried minor (under 18 years of age) derives legal residence from the parent with whom the minor maintains or last maintained place of abode. If an unmarried minor has a living parent, the minor's residence cannot be changed by the minor's own act, by the appointment of a guardian, or by relinquishment of a parent's right of control.

A married person may establish residence independent of the person's spouse.

Adult noncitizens establish residence in the same manner as citizens, unless precluded by the Immigration and Nationality Act from establishing

domicile in the United States. Unmarried minor noncitizens derive their residence in the same manner as unmarried minor citizens except that both parent and minor must have an immigration status consistent with establishing domicile in the United States.

Nonresident students seeking reclassification are required to complete a supplemental questionnaire including questions concerning their financial dependence, which will be considered along with physical presence and intent in determining reclassification.

To qualify as a resident student for tuition purposes, generally a student must have been a California resident for at least one year immediately preceding the **residence determination date**. This is the date from which residence is determined for that academic term. For Humboldt:

Fall = September 20
Spring = January 25

The Office of Admissions, 707-826-4402, can answer residence determination questions.

Exceptions to the usual rules:

- Persons below age 19 whose parents were residents of California but left the state while the student, who remained, was still a minor: When the minor reaches age 18, the exception continues until the student has resided in the state the minimum time necessary to become a resident.
- Minors who have been present in California with the intent of acquiring residence for more than a year before the residence determination date and entirely self-supporting for that time. The exception continues until the student has resided in the state the minimum time necessary to become a resident.
- Persons below the age of 19 who have lived with and been under the continuous direct care and control of an adult or adults, not a parent, for the two years immediately preceding the residence determination date. Such adult must have been a California resident for the most recent year. The exception continues until the student has resided in the state the minimum time necessary to become a resident.
- Most students who have attended three years of high school in California and graduated or attained the equivalent.
- Dependent children and spouse of persons in active military service stationed in California on the residence determination date. There is no time limitation on this exception unless the military person transfers out of California or retires from military service. If either happens, the student's eligibility for this exception continues until the student resides in the state the minimum time necessary to become a resident.
- Military personnel in active service stationed in California on the residence determination date for purposes other than education at state-supported institutions of higher education. This exception continues until the military person has resided in the state the minimum time necessary to become a resident.
- Military personnel in active service in California for more than one year immediately prior to

being discharged from the military. Eligibility for this exception runs from the date the student is discharged from the military until the student has resided in the state the minimum time necessary to become a resident.

8. Dependent children of a parent who has been a California resident for the most recent year. This exception continues until the student has resided in the state the minimum time necessary to become a resident, so long as the student maintains continuous attendance at an institution.
9. Graduates of any school located in California that is operated by the U.S. Bureau of Indian Affairs, including, but not limited to, the Sherman Indian High School. The exception continues so long as the student maintains continuous attendance at an institution.
10. Certain credentialed, full-time employees of California school districts.
11. Full-time state university employees and their children and spouses; state employees assigned to work outside the state and their children and spouses. This exception continues until the student has resided in the state the minimum time necessary to become a resident.
12. Children of deceased public law enforcement or fire suppression employees who were California residents and who were killed in the course of law enforcement or fire suppression duties.
13. Certain amateur student athletes in training at the United States Olympic Training Center in Chula Vista, California. This exception continues until the student has resided in the state the minimum time necessary to become a resident.
14. Federal civil service employees and their natural or adopted dependent children if the employee has moved to California as a result of a military mission realignment action that involves the relocation of a least 100 employees. This exception continues until the student has resided in the state the minimum time necessary to become a resident.
15. State government legislative or executive fellowship program enrollees. The student ceases to be eligible for this exception when the student is no longer enrolled in the qualifying fellowship.

Exemptions from nonresident tuition fee can be granted to students who have attended a California high school for at least 3 years and who graduate from a California high school.

Following a final campus decision on a student's residence classification, and within 120 calendar days of notification, any student may appeal to:

The California State University
Office of General Counsel
401 Golden Shore
Long Beach, California 90802-4210

General Counsel may then decide on the issue or send the matter back to the campus for further review.

Students classified incorrectly as residents or incorrectly granted an exception from nonresident tuition fees are subject to reclassification as non-residents and payment of nonresident tuition fees in arrears. If incorrect classification results from false or concealed facts, the student is subject to discipline pursuant to Section 41301 of Title 5 of the California Code of Regulations.

Resident students who become nonresidents, and nonresident students qualifying for exceptions whose basis for so qualifying changes, must notify the Office of Admissions immediately. Applications for changes in classification for previous terms are not accepted.

Caution: This summation of rules regarding residency determination is by no means a complete explanation of their meaning. Also, changes may occur in the rate of nonresident tuition fees, in the statutes, and in the regulations between the time this catalog is published and the relevant residence determination date.

Whether an exception applies to a particular student cannot be determined before the submission of an application for admission and, as necessary, additional supporting documentation. Because neither campus nor Chancellor's Office staff may give advice on the application of these laws, applicants are strongly urged to review the material for themselves and consult with a legal advisor.

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.

Humboldt State University accepts this challenge and to this end presents specific implications of these principles in the areas of student life and activity.

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.

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 WV — 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. The University Police 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.

Safety & Security (Campus)

As a recognized California Law Enforcement Agency, Humboldt State's University Police is required

to report crimes monthly to the Department of Justice. Statistics for crimes, arrests, property loss, and recovery are reported simultaneously to the CSU Chancellor's Office.

The *Humboldt State University Annual Security Report 2013* reflects the current reporting criteria in accordance with 20 U.S.C. (United States Code) Section 1092(f), Higher Education Amendments of 1998, also referred to as the Jeanne Clery Disclosure of Campus Security Policy and Campus Crime Statistics Act. The full text of this report is available upon request from the University Police, Student and Business Services Building, Room 101, 707-826-5555. It is also online at www.humboldt.edu/police/Downloads/clery_crime_report.pdf.

The *Fire Safety Report for Campus Housing* report contains information related to fire safety and fire statistics in campus housing and is available online at www.humboldt.edu/housing/documents/FireSafetyReport.pdf.

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 HSU'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.

Since spring of 1993, the campus has offered an on-campus 24-hour safety escort service. Call 707-826-5555 for information.

The University Police Office 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, property identification programs, and emergency management.

Selective Service Requirements

The federal Military Selective Service Act requires most males residing in the U.S. to present themselves for registration with the Selective Service System within 30 days of their 18th birthday. Most males between the ages of 18 and 25 must be registered. Males born after December 31, 1959, may be required to submit a statement of compliance with the act and regulations in order to receive any grant, loan, or work assistance under specified provisions of existing federal law. In California, students subject to the act who fail to register are also ineligible to receive any need-based student grants funded by the state or a public postsecondary institution.

Selective Service registration forms are available at any U.S. Post Office. Many high schools have a staff member or teacher appointed as a Selective Service Registrar. Applicants for financial aid can also request that information provided on the Free Application for Federal Student Aid (FAFSA) be used to register them with the Selective Service. Information on the Selective Service System is available online. The registration process may be initiated at www.sss.gov.

Sexual Assault Policy

Sexual assault is reprehensible and will not be tolerated by the university. Any behavior determined to constitute sexual assault will be subject to disciplinary action by the university and/or criminal and civil sanction by the appropriate courts.

For purposes of Humboldt State University policy, sexual assault is defined in accordance with the definitions found in the California Penal Code, section 261 and 243.4, and Assembly Concurrent Resolution #46 (Resolution Chapter 105 — passed into law on September 14, 1987):

Sexual assault is an involuntary sexual act in which a person is threatened, coerced, or forced to comply against a person's will.

Violations of Humboldt's policy against sexual assault include, but are not limited to, the following:

- Sexual Battery: any unwanted touching of intimate body parts;
- Rape: forced sexual intercourse that is perpetrated against the will of the victim or when the person is unable to give consent (i.e. unconscious, asleep, or under the influence of alcohol or drugs) and may involve physical violence, coercion, or the threat of harm to the victim;
- Acquaintance Rape: rape by a nonstranger, which could include a friend, acquaintance, family member, neighbor, co-worker, or someone the victim has been dating.

Sexual assault is a form of sexual harassment and, as such, the university responds to incidents of sexual assault in accordance with the laws that are uniquely applicable to sexual assault as well as those laws applicable to sexual harassment.

Individuals are encouraged to contact the North Coast Rape Crisis Team at 707-445-2881 or HSU Counseling and Psychological Services at 707-826-3236 for support.

Humboldt State encourages all victims of sexual assault to file an immediate report with the University Police (707-826-5555).

A victim of sexual assault may take one or more of the following actions:

- a) File a written complaint to initiate the appropriate process: that of the University Police or if the complaint is against a student, the Office of Student Rights & Responsibilities. Disciplinary sanctions may include dismissal from the university.
- b) File criminal charges through the Humboldt County district attorney. Humboldt's University Police can assist the victim in filing this criminal complaint. Under this option, the state accuses the alleged perpetrator, and the victim may serve as a witness for the state.
- c) Sue the accused for monetary damages in civil court.
- d) File a complaint through the U.S. Department of Education, Office for Civil Rights. Sexual harassment prevention consultants can assist the victim in filing this complaint.

For further information about Humboldt's sexual assault policy and services for victims, contact the Office of the Vice President for Student Affairs (707-826-3361).

Substance Abuse Policy & Sanctions

The faculty, staff, and administration of Humboldt State University are dedicated to creating an environment that allows students to achieve their educational goals. Humboldt State 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:

Humboldt State University 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

**HUMBOLDT STATE UNIVERSITY
CRIME AWARENESS & CAMPUS SECURITY (CLERY) REPORT
CRIME STATISTICS 2010 THROUGH 2012**

Criminal offenses reported to the Humboldt State University Police Department in accordance with the Jeanne Clery Disclosure of Campus Security Policy and Campus Crime Statistics Act.

	On Campus Property			Residential Facilities**			Non-Campus Property			Public Property		
	2010	2011	2012	2010	2011	2012	2010	2011	2012	2010	2011	2012
Murder/Non-Negligent Manslaughter	0	0	0	0	0	0	0	0	0	0	0	0
Negligent Manslaughter	0	0	0	0	0	0	0	0	0	0	0	0
Sex Offenses:												
Forcible	4	1	5	4	1	4	0	0	0	0	0	3
Non-Forcible	0	0	0	0	0	0	0	0	0	0	0	0
Robbery	1	1	0	0	1	0	0	0	0	0	0	1
Aggravated Assault	3	0	1	2	0	1	0	0	0	0	0	0
Burglary	13	2	9	8	0	1	0	1	1	0	0	0
Motor Vehicle Theft	2	6	3	0	0	0	0	0	0	0	0	3
Arson	2	0	0	0	0	0	0	0	0	0	0	0
Liquor Law Arrests	6	6	5	3	2	0	0	0	0	0	2	0
Disciplinary Referrals for Liquor Law Violations	18	9	5	15	1	3	0	0	0	0	0	0
Drug Law Arrests	67	4*	3	45	3*	5	1	0*	0	4	0*	2
Disciplinary Referrals for Drug Law Violations	64	180*	191	62	131*	138	0	0*	0	0	0*	0
Illegal Weapons Possession Arrests	1	0	0	1	0	0	0	0	0	0	0	1
Illegal Weapons Possession Violations Referred for Disciplinary Action	2	3	1	2	2	1	0	0	0	0	0	0

- *Decrease in the Drug Law Arrests and increase in the Disciplinary Referrals For Drug Law Violations is noted as a result in the change to Health & Safety violation 11357(b)/possession of less than an ounce of marijuana. As of January 1, 2011 the code section became an infraction, therefore no longer counted as an arrest, but resulting in a referral in most cases.
- **Crimes reported in the Residential Facilities column are included in the On Campus category.
- "Sex offenses" include both stranger attacks and non-stranger rape/assault reports. The large majority of sex offenses reported to HSUPD involve acquaintances rather than strangers. Alcohol, other drugs, and their effects are commonly used to perpetrate acquaintance rapes at HSU and at other colleges nationwide. Research has shown that the majority of non-stranger rapes/assaults on college campuses are not reported.
- Please see the Annual Security Report at www.humboldt.edu/police/Downloads/clery_crime_report.pdf for actual crime definitions.

HATE CRIMES

2010: One main campus incident of vandalism characterized by race bias. One resident hall unauthorized use of computer (theft) incident characterized by ethnicity/national origin bias.

2011: One resident hall incident of vandalism characterized by race bias.

2012: No hate crimes reported.

HUMBOLDT STATE UNIVERSITY FIRE STATISTICS 2012

Facility	Total Fires in Building	Date/Time	Cause of Fire	# of Fires Requiring Treatment at a Facility	# of Deaths Related to Fire	Value of Property Damage	Case Number
Alder Hall	0	N/A	N/A	N/A	N/A	N/A	N/A
Cedar Hall	0	N/A	N/A	N/A	N/A	N/A	N/A
Chinquapin Hall	0	N/A	N/A	N/A	N/A	N/A	N/A
Hemlock Hall	0	N/A	N/A	N/A	N/A	N/A	N/A
Madrone Hall	0	N/A	N/A	N/A	N/A	N/A	N/A
Maple Hall	0	N/A	N/A	N/A	N/A	N/A	N/A
Pepperwood Hall	0	N/A	N/A	N/A	N/A	N/A	N/A
Tan Oak Hall	0	N/A	N/A	N/A	N/A	N/A	N/A
Cypress Hall	1	02/11/12 1800 Hrs.	Cooking Fire	0	0	\$0	0912-0090
Juniper Hall	0	N/A	N/A	N/A	N/A	N/A	N/A
Laurel Hall	0	N/A	N/A	N/A	N/A	N/A	N/A
Willow Hall	0	N/A	N/A	N/A	N/A	N/A	N/A
Fern Hall	0	N/A	N/A	N/A	N/A	N/A	N/A
Redwood Hall	0	N/A	N/A	N/A	N/A	N/A	N/A
Sunset Hall	0	N/A	N/A	N/A	N/A	N/A	N/A
Campus Apts.	0	N/A	N/A	N/A	N/A	N/A	N/A
Trinity Hall	0	N/A	N/A	N/A	N/A	N/A	N/A
Mendocino Hall	0	N/A	N/A	N/A	N/A	N/A	N/A
Shasta Hall	1	10/06/12 0931 Hrs.	Cooking Fire	0	0	\$0	0912-0416
Del Norte Hall	1	09/17/12 1924 Hrs.	Cooking Fire	0	0	\$0	0912-0386
CCAT	0	N/A	N/A	N/A	N/A	N/A	N/A

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 United States.

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, mes-

caline, 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 in the Student Health & Counseling Center, 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 707-826-5123 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 & Counseling Center for exact names, places, and times. There are many community resources (public, private nonprofit, and private for profit) available. Resources, both on and off campus, include:

On Campus:

Counseling & Psychological
Services.....707-826-3236
Student Health Center.....826-3146

Off Campus:

Alcoholics Anonymous..... (24 hrs) 442-0711
Al-Anon and Al-Ateen.....443-1419
Alcohol/Drug Care
Services (DETOX).....445-3869
American Cancer Society.....442-1436
Codependents Anonymous.....445-3833
Crossroads Residential Program.....445-0869
Domestic Violence Services.....444-9255
24-hour Crisis Line.....443-6042
Fortuna Community
Services (DUI Classes).....725-9381
Health Department
Alcohol & Other Drug Programs..476-4054
Free & Anonymous HIV Testing.....268-2109
Tobacco Education.....268-2132
Healthy Moms.....441-5220
Humboldt Recovery Center.....443-4237
Marijuana Anonymous Weekly Meeting
DD.....834-3211
Matt H.....496-7715
Mothers Against Drunk Driving.....916-481-6233
Narcotics Anonymous.....444-8645
Open Door Clinic
Smoking Cessation.....826-8610
Singing Trees Recovery Center
Toll Free.....800-344-3799
Local.....247-3495
United Indian Health Services.....825-5000

**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 PhDs 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% of students binge drink), the vast majority of 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% of all academic problems and 28% of all dropouts.

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, hypertension, heart disease, 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.

Sources: Wechsler, Henry, et al. "Health and Behavioral Consequences of Binge Drinking in College," Journal of the 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.]

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, increased angry outbursts, and permanent neurological damage.

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 themselves 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.

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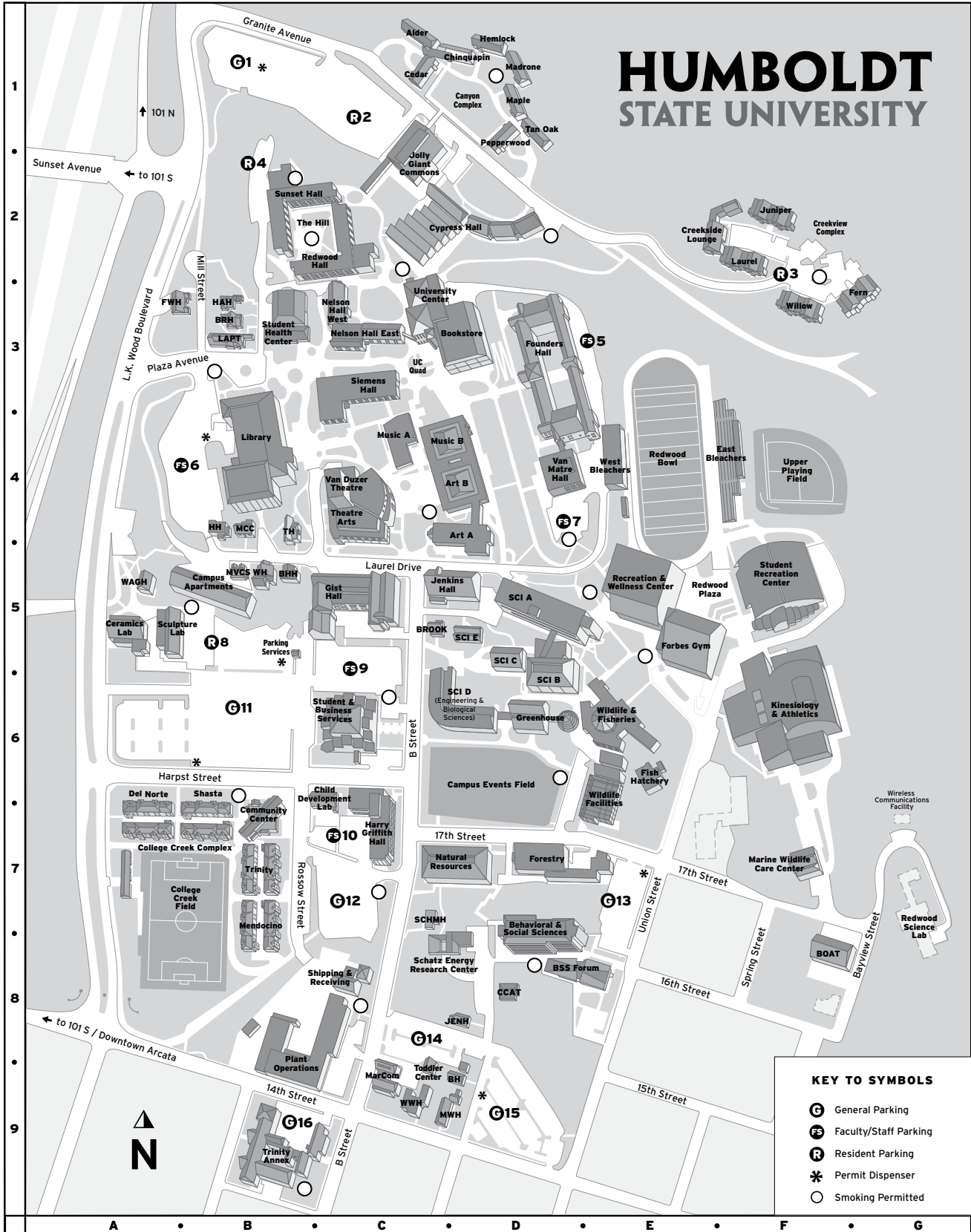
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CAMPUS MAP

HUMBOLDT STATE UNIVERSITY



HSU CAMPUS LISTING

Alphabetical by Building Name

- A -		- H -		- R -	
ALDER	Alder Residence Hall.....C1	HH	Hadley House.....B4	RB	Redwood Bowl.....E4
ARTA	Art A.....C4	HAH	Hagopian House.....B3		Redwood Plaza.....E5
ARTB	Art B.....C4	HGH	Harry Griffith Hall.....C7	REDWOO	Redwood Residence Hall.....B2
- B -		HC	Health Center, Student.....B3	RWC	Recreation & Wellness Ctr...E5
BH	Baiocchi House.....D9	HEMLOC	Hemlock Residence Hall.....D1	- S -	
BSS	Behavioral & Soc Sciences...D8		Hill, The.....B2	SCHMH	Schmidt House.....C7
BOAT	Boat Facility.....F8	- J -		SERC	Schatz Energy Rsrch Ctr....C8
	Bookstore.....C3	JH	Jenkins Hall.....C5	SCIA	Science A.....D5
BRH	Brero House / ITEPP.....B3	JENH	Jensen House.....D8	SCIB	Science B.....D5
BHH	Bret Harte House.....B5	JGC	Jolly Giant Commons.....C2	SCIC	Science C.....D5
BROOK	Brookins House.....C5	JUNIP	Juniper Residence Hall.....F2	SCID	Science D.....D5
CCAT	Buck House / CCAT.....D8	- K -		SCIE	Science E.....D5
- C -		KA	Kinesiology & Athletics.....F6	SCULPT	Sculpture Lab.....A5
CA	Campus Apartments.....B5	- L -		SHASTA	Shasta Residence Hall.....B7
EVA	Campus Events Field.....D6	LAUREL	Laurel Residence Hall.....F2	S&R	Shipping & Receiving.....C8
	Canyon, The.....D1	LIB	Library.....B4	SH	Siemens Hall.....C3
CEDAR	Cedar Residence Hall.....F2	LAPT	Little Apartments.....B3	SBS	Student & Bus. Services....C6
CERAM	Ceramics Lab.....A5	- M -		SRC	Student Recreation Ctr.....F5
CDL	Child Dev. Lab, Swetman....C6	MADRON	Madrone Residence Hall.....D1	SUNSET	Sunset Residence Hall.....B2
CHINQU	Chinquapin Residence Hall...C1	MANOR	Manor Apartments.....D6	- T -	
	College Creek Complex.....A7	MAPLE	Maple Residence Hall.....D1	TANOAK	Tan Oak Residence Hall.....D1
	College Creek Field.....A7	MCOM	MarCom.....C9	TH	Telonicher House.....B4
CREEKL	Creekside Lounge.....F2	MWCC	Marine Wildlife Care Ctr....F7	TA	Theatre Arts.....C4
	Creekview Complex.....F2	MWH	Mary Warren House.....C9		Toddler Center.....C8
CYPRES	Cypress Residence Hall.....C2	MVCS	Mattole Valley Charter Sch..C9		Trinity Annex.....B9
- D -		MENDO	Mendocino Residence Hall...B7	TRIN	Trinity Residence Hall.....B7
DELNO	Del Norte Residence Hall....A7	MCC	MultiCultural Center.....B4	- U -	
- F -		MUSA	Music A.....C4	UC	UC Quad.....C3
FERN	Fern Residence Hall.....F2	MUSB	Music B.....C4	UPF	University Center.....C3
FWH	Feuerwerker House.....A3	- N -			Upper Playing Field.....F4
FSH	Fisheries Hatchery.....E6	NR	Natural Resources.....C7	- V -	
FGYM	Forbes Gym.....E5	NHE	Nelson Hall East.....C3	VMH	Van Matre Hall.....D4
FR	Forestry.....D7	NHW	Nelson Hall West.....C3	JVD	Van Duzer Theatre.....F2
FH	Founders Hall.....D3	- P -		- W -	
- G -		PARC	Parking Services.....B6	WAGH	Wagner House.....A5
GH	Gist Hall.....C5	PEPPER	Pepperwood Res Hall.....D1	WWH	Walter Warren House.....C9
GRNH	Greenhouse.....D6	PLANT	Plant Operations.....B8	WH	Warren House.....B5
				WFB	Wildlife & Fisheries.....E6
				WLDF	Wildlife Facilities.....E6
				WILLOW	Willow Residence Hall.....F2

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Parking permits required year round: Monday–Thursday 7:00 A.M. - 10:00 P.M.; Friday 7:00 A.M. - 5:00 P.M.

Permits not required on weekends and HSU holidays

Vehicles in ♿ spaces always require disabled plate/placard and HSU parking permit when permits are required

General parking (with permit) is okay in ♻ lots evenings after 5:00 P.M. Monday–Thursday

Ⓡ Resident parking areas require permits 24/7 Monday–Friday

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