

# UNIVERSITY *of* PUGET SOUND

Est. 1888



2006-2007 BULLETIN

## University Accreditation and Memberships

The University of Puget Sound is accredited by the Northwest Commission on Colleges and Universities, an institutional accrediting body recognized by the United States Department of Education and by the Council for Higher Education Accreditation.

In addition to institutional accreditation from the Northwest Commission on Colleges and Universities, the following programs have specialized accreditation or status. A complete statement of each program's accreditation or special status is presented with the program listing.

Chemistry by the American Chemical Society

Education by the National Council for Accreditation of Teacher Education

Music by the National Association of Schools of Music

Occupational Therapy by the Accreditation Council for Occupational Therapy Education

Physical Therapy by the Commission on Accreditation for Physical Therapy Education

Enrolled or prospective students wishing to review documents describing the University's accreditation may do so in the Associate Deans' Office, Jones 212.

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# University of Puget Sound 2006-2007 Bulletin

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## The University

The University of Puget Sound is an independent, predominantly residential, undergraduate liberal arts college with selected graduate programs that build effectively on a liberal arts foundation. The university, as a community of learning, maintains a strong commitment to teaching excellence, scholarly engagement, and fruitful student-faculty interaction. Established in 1888 by what is now the United Methodist Church, Puget Sound is governed today by a wholly independent Board of Trustees.

The university's primary goal is to provide an outstanding liberal arts education. The undergraduate academic program, enrolling approximately 2,500 students, is based on a core curriculum for all students and includes a wide selection of majors in the liberal arts. A complete listing of these majors is found on page 51 of this *Bulletin*. Undergraduate professional programs integrated with the liberal arts are available in business and music. The university also provides distinctive graduate programs in education, occupational therapy, and physical therapy.

## Mission of the University

The mission of the university is to develop in its students capacities for critical analysis, aesthetic appreciation, sound judgment, and apt expression that will sustain a lifetime of intellectual curiosity, active inquiry, and reasoned independence. A Puget Sound education, both academic and co-curricular, encourages a rich knowledge of self and others, an appreciation of commonality and difference, the full, open, and civil discussion of ideas, thoughtful moral discourse, and the integration of learning, preparing the university's graduates to meet the highest tests of democratic citizenship. Such an education seeks to liberate each person's fullest intellectual and human potential to assist in the unfolding of creative and useful lives.

## Faculty and Students

The university's Faculty and Board of Trustees support a program committed to comprehensive liberal learning and academic excellence. The full-time faculty of approximately 210 is first and foremost a teaching faculty, selected not only for excellence in various subject areas but also for the desire and ability to transmit that knowledge in a manner that promotes critical thinking. Students benefit from classes taught by committed faculty members who welcome students not only into their classrooms but also into the scholarly community of the campus. Faculty members maintain an active intellectual life that nourishes their own scholarly development and their work with students.

Puget Sound is large enough to offer the advantages of multiple perspectives, sophisticated technologies, and a rich array of programs, yet small enough to preserve a relaxed, friendly atmosphere. Students come to Puget Sound with diverse backgrounds and interests from every state in the nation and from several foreign countries.

Puget Sound welcomes students, faculty, and staff of all religious faiths and racial and ethnic backgrounds. The limited size of the student body, the residential campus, and the commitment of the faculty to intensive, rigorous education create a highly engaging experience in liberal learning.

## The Academic Program

Through its undergraduate core curriculum as well as its major and minor programs, the University of Puget Sound stands committed to providing a liberal education of enduring value. Such an education should enable students to adapt, to change careers, and to assume ever greater responsibilities as new opportunities arise. It should enable them, also, to lead interesting and personally satisfying lives and should prepare them to address effectively and constructively the

# The University

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challenges of an increasingly changing society. To these ends, the faculty has selected the following goals to emphasize in the undergraduate curriculum: (1) the ability to think logically, analytically, and independently; (2) the ability to communicate clearly and effectively, both orally and in writing; (3) the ability to learn on one's own; (4) breadth of learning in the form of familiarity with a variety of academic fields and potential interests; (5) depth of knowledge in a single field in order to know a sense of the power that comes with learning; (6) an understanding of the interrelationships among the various fields of knowledge and the significance of one discipline for another; (7) an acknowledged set of personal values; and (8) informed appreciation of self and others as part of a broader humanity in the world environment.

## Interdisciplinary Study at Puget Sound

Some of the most exciting developments in higher education are occurring at the intersections of traditional fields of knowledge. The pursuit of new understanding by teachers and students who work across disciplinary lines enriches course offerings and research projects at Puget Sound. Many individual courses, the core curriculum, and several major and minor programs emphasize an interdisciplinary perspective. This interdisciplinary emphasis permits faculty to combine their particular strengths and creates an array of innovative courses.

The following interdisciplinary programs are available. Descriptions of each can be found in the "Courses of Study" section of this *Bulletin*.

<i>Majors</i>	<i>Minors</i>	<i>Core Curriculum Programs</i>	<i>Interdisciplinary Emphasis</i>
International Political Economy	African American Studies	Honors Humanities	Asian Studies Neuroscience
Natural Science	Environmental Studies		
Science, Technology, and Society	Gender Studies		
Special Interdisciplinary Major	Latin American Studies		

Several academic departments offer interdisciplinary majors as well: Classics; Foreign Languages / International Affairs, (Foreign Languages and Literature Department); Major in Business and the Business Leadership Program (School of Business and Leadership); a BA in Music with Elective Studies in Business (School of Music); and a BS in Computer Science / Business (Mathematics and Computer Science Department).

## Writing at Puget Sound

At Puget Sound, writing lies at the heart of liberal arts education. From Prelude, a program where students engage in intensive reading and writing as they warm up for their academic work, through the senior thesis or other significant writing projects in the major, students write as a way of thinking, learning, and communicating.

The university supports and encourages writing in all disciplines. Based on the motto that every writer needs a reader, the Center for Writing, Learning, and Teaching, staffed by faculty and peer writing advisors, assists students at every level no matter where they are in the writing process. Writing Excellence Awards recognize and reward good writing in all disciplines. Faculty receive curriculum development grants to work on sequencing and assigning writing in the major. In addition, faculty attend workshops on how to help students become better writers and on how to become better teachers of writing.

Co-curricular activities offer numerous ways for students to develop as writers - serving as peer writing advisor positions in the Center for Writing, Learning, and Teaching; writing for *The Trail*, the student newspaper; *Tamanawas*, the yearbook; and *CrossCurrents*, the literary magazine; publishing their work in community newspapers, bulletins, and newsletters, in professional journals, and in university publications.

## **Student Research at Puget Sound**

The University of Puget Sound offers many opportunities for students to engage in research, whether in the natural sciences, in the social sciences, in the arts, or in the humanities. Most major programs of study either require or provide the option for a research-based thesis in the senior year. In addition, capstone seminars in the major are a common feature of Puget Sound education. In these seminars, students typically research and write major papers and present their findings to their peers. Each year the campus enjoys many public presentations of theses and research projects. In some majors, students also present their research findings at regional and national conferences. The faculty are actively committed to thoughtful mentoring of the intellectual growth of students. The careful structuring of the major so that seniors engage in active research, collaboration, and presentation results in graduates thoroughly prepared for graduate or professional school or for the mature responsibilities of professional-level employment. The university supports students' research not only through the curriculum but also through summer research grants and stipends, an array of first-rate scientific equipment, excellent library resources, and widespread access to information technology.

## **James R. Slater Museum of Natural History**

The James R. Slater Museum of Natural History is a research and teaching collection located in the university's Thompson Science Hall. In it are collected, preserved, and catalogued nearly 80,000 specimens of mammals, birds, reptiles, amphibians, and plants native to the Pacific Northwest and other parts of the world. The museum serves Puget Sound students and faculty, the community, and other scientists worldwide through visits, loans, and the Web site.

## **Study Abroad**

Recognizing the importance of intercultural understanding in liberal education, the University of Puget Sound offers a wide choice of study abroad programs. Students may choose to study abroad for a full academic year, for a semester, or in the summer, enrolling through Puget Sound sponsored and partner programs, exchanges with foreign universities, or approximately 100 other approved programs. Programs are offered in Africa, Asia, Australia, Europe, and Central and South America. Every three years the University of Puget Sound also mounts the Pacific Rim / Asia Study-Travel program under which students travel and study in several Asian countries over a nine-month period.

## **Academic Honor Societies**

Puget Sound students are eligible for membership by election to two national academic honor societies: Phi Beta Kappa and Phi Kappa Phi. Both societies select students in their junior or senior year on the basis of scholarly achievement and good character.

Phi Beta Kappa elects members from liberal arts fields of study only, recognizing those students whose programs demonstrate breadth, including study of foreign languages and mathematics.

Phi Kappa Phi selects highly qualified student members from both liberal arts and professional fields of study.

Students also may be elected to a number of discipline-specific honor societies at the university.

# The University

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## The Campus

Puget Sound's campus features ivy-covered buildings of Tudor-Gothic architecture nestled among nearly 100 acres of native fir groves, emerald-green lawns, and lush landscaping. Located in Tacoma's quiet North End residential neighborhood, the university lies at the center of the Northwest's dynamic urban corridor that extends from Vancouver, British Columbia, to Portland, Oregon. The university enjoys close proximity to arts and cultural events in Tacoma and nearby Seattle, as well as recreational opportunities afforded by Puget Sound, the Olympic Peninsula, and Mount Rainier.

## Cultural Life

The university has long been one of Tacoma's prominent educational and cultural centers providing the campus and local community with a wide array of student, faculty, and guest artist performances in music, theatre, and art. A listing of current campus events may be viewed on the university Web site, <http://events.ups.edu>.

Exploring all facets of a liberal arts education, the university presents a number of lectures each year. Nationally recognized speakers are brought to campus to involve students and the community in meaningful dialogue and discussion on topics pertinent to our changing and challenging world. Lecture series include: Brown and Haley Lectures - emphasizing perspective in the social sciences or humanities; Chism Lectures - appearances by nationally recognized performers, artists, and scholars in the arts and humanities; Norton Clapp Visiting Artist Lectures—bringing outstanding contemporary theatre makers to campus for workshops and presentations; Susan Resneck Pierce Lectures in Public Affairs and the Arts - appearances by public intellectuals, writers, and artists of high recognition; Swope Endowed Lectureship on Ethics, Religion, Faith, and Values - lecturers promote broad discussion, critical thinking, and ethical inquiry about matters of contemporary spirituality, ethics, and world religions.

The Puget Sound region is rich in its cultural, social, and educational opportunities. Our location in a vibrant metropolitan area places our students in proximity to the Pacific Rim, providing opportunities to explore a diversity of cultures. Moreover, the university's location encourages engagement with a wider educational and artistic community through events in downtown Tacoma, Seattle, and Olympia.

## Theatre Arts Season

The Department of Theatre Arts offers several dramatic performances each year. A faculty-directed production takes stage each semester in the Norton Clapp Theatre, along with Student-Directed One Acts in late fall and the Senior Theatre Festival in April. Recent faculty-directed plays include *A Streetcar Named Desire*, *Tartuffe*, *Iphigenia at Aulis*, *Angels in America, Part I*, *Rough Crossing*, *Romeo and Juliet*, and *Kiss Me, Kate*. Students have directed and designed such plays as *Arcadia*, *All My Sons*, *Big Love*, *Top Girls*, *Richard III*, *Fefu and Her Friends*, and *The Glory of Living* as part of the Senior Festival. The Matthew Norton Clapp Endowment for Visiting Artists brings outstanding contemporary theatre makers to campus for workshops and presentations. Past guest artists have included Bill T. Jones, Guillermo Gomez-Peña, Godfrey Hamilton and Mark Pinkosh, Holly Hughes, Steven Deitz, and Russell Davis, as well as Pulitzer Prize winners Edward Albee and Robert Schenkkan. Theatre Arts encourages all university students, regardless of major, to participate in all aspects of theatrical production, both onstage and behind the scenes. The department Web page provides up-to-date information on auditions and upcoming performances.

Functioning independently of the Theatre Arts Department, ASUPS Student Theatre Productions and other campus groups present an exciting variety of the theatre throughout the year in the newly remodeled Rausch Auditorium and in other campus venues.



## **The School of Music**

The School of Music enriches the cultural life of the campus and community through performances, recitals, workshops, master classes, and colloquia given by faculty, students, university ensembles, and guest artists. The Jacobsen Series offers solo and chamber music recitals performed by School of Music faculty, alumni, and guest artists. Master classes are presented throughout the school year by visiting artists. Performing ensembles include the University Symphony Orchestra, String Orchestra, Wind Ensemble, University Band, Jazz Band, Adelpian Concert Choir, Voci d'Amici, University Chorale, Dorian Singers, Opera Theatre, and classical as well as jazz chamber music groups. Performance venues include the 500-seat Schneebeck Concert Hall, Kilworth Chapel, the Forum in Trimble Hall, and the Rasmussen Rotunda in Wheelock Student Center. Membership in student ensembles, both auditioned and non-auditioned, is open to all students, regardless of major.

## **Kittredge Gallery**

Kittredge Gallery shows contemporary art by national and regional artists working in a variety of disciplines and media. Exhibits are accompanied by visiting artist lectures and the occasional workshop. Curated to support the art department's studio courses as well as the liberal arts curriculum of the university, Kittredge Gallery serves as a valuable teaching tool. Two juried student shows are scheduled in Kittredge Gallery every year. In addition, the mini galleries in Jones Hall serve as ongoing venues for the display of student art. Kittredge Gallery is open Monday through Saturday from September through mid-May.

## **Learning beyond the Classroom**

Liberal learning beyond the classroom is an important component of a residential college experience. Puget Sound is a community in which each student's education is enriched by the many opportunities to extend and supplement in-class learning through such activities as attendance at plays and concerts, involvement in student clubs, participation in intramural or intercollegiate sports teams, leading a residence hall or residence community group, or contributing volunteer service in Tacoma/Pierce County. In these and similar settings, students learn to solve problems, develop empathy and teamwork, navigate differences of viewpoint, communicate effectively, make friends, and have fun together.

Some campus activities are structured to be clear extensions of the curriculum. Puget Sound students may choose to participate in co-curricular programs such as academic-residential programs in Humanities, Languages and Cultures, and Social Justice; Inside Theatre productions; intercollegiate forensics tournaments; production of student publications or campus radio broadcasts; and musical groups such as the Adelpian Choir, the Jazz Band, the University Symphony Orchestra, or one of the many chamber music ensembles.

In addition, students can explore the greater Puget Sound region through Outdoor Programs with activities such as snowboarding, sea kayaking, rock climbing, and hiking; Film and Theatre Society, a program that connects students to cultural events in the Seattle-Tacoma area; or residence hall based excursions.

Students can choose to participate in student governance, whether through the Associated Students of the university, the residence hall associations, leadership of fraternities and sororities, membership in departmental or extracurricular clubs, organization of theme-living groups, or university committees. Students also participate in diversity programs, engage in spiritual and religious activities, and attend presentations by guest speakers, films, dances, and athletic events.

Other important features of campus life are less structured but also contribute to learning beyond the classroom, such as informal interchanges with a professor in the Diversions Café and

# The Core Curriculum

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spontaneous discussions of issues with other students in campus residences, on the Wheelock Student Center plaza, and in many other conversation spaces on the campus.

Detailed information on campus activities is available at the Wheelock Student Center information desk, from the various Student Affairs offices, at the university Web site ([www.ups.edu/dsa](http://www.ups.edu/dsa)), in the daily calendar (<http://events.ups.edu>), or at the Associated Students Web site ([www.asups.ups.edu](http://www.asups.ups.edu)).

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## THE CORE CURRICULUM

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The faculty of the University of Puget Sound have designed the core curriculum to give undergraduates an integrated and demanding introduction to the life of the mind and to established methods of intellectual inquiry. The Puget Sound undergraduate's core experience begins with two first-year seminars that guide the student through an in-depth exploration of a focused area of interest and that sharpen the student's skills in constructing persuasive arguments. In the first three years of their Puget Sound college career, students also study five "Approaches to Knowing"- Fine Arts, Humanities, Mathematics, Natural Science, and Social Science. These core areas develop the student's understanding of different disciplinary perspectives on society, culture, and the physical world, and explore both the strengths of those disciplinary approaches and their limitations. Connections, an upper-level integrative course, challenges the traditional boundaries of disciplines and examines the benefits and limits of interdisciplinary approaches to knowledge.

Further, in accordance with the stated educational goals of the University of Puget Sound, core curriculum requirements have been established: (a) to improve each student's grasp of the intellectual tools necessary for the understanding and communication of ideas; (b) to enable each student to understand herself or himself as a thinking person capable of making ethical and aesthetic choices; (c) to help each student comprehend the diversity of intellectual approaches to understanding human society and the physical world; and (d) to increase each student's awareness of his or her place in those broader contexts. Students choose from a set of courses in eight Core areas, developing over four years an understanding of the liberal arts as the foundation for a lifetime of learning.

### University Core Requirements

(Any student who matriculated as a Freshman prior to Fall 2003 or as a transfer student prior to Summer 2004 should consult the Former Core Curriculum section in this *Bulletin* on page 48.)

Each candidate for the first baccalaureate degree shall have completed the following Core curriculum.

#### The First Year: Argument and Inquiry

Scholarly and Creative Inquiry Seminar.....	1 unit
Writing and Rhetoric Seminar.....	1 unit
(These two seminars cannot count toward a major or minor)	

#### Years 1 through 3: Five Approaches to Knowing

Fine Arts.....	1 unit
Humanistic .....	1 unit
Mathematical (strongly recommended in the first year).....	1 unit
Natural Scientific.....	1 unit
Social Scientific.....	1 unit

#### Junior or Senior Year: Interdisciplinary Experience

Connections .....	1 unit
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The sections which follow detail the courses that fulfill each Core category in the 2006-2007 academic year. Full course description for the First-Year Seminars in Scholarly and Creative Inquiry, Writing, and Rhetoric, and the Connections core courses follow this section; descriptions of all other Core courses are in the departmental sections of this *Bulletin*.

## **Seminar in Scholarly and Creative Inquiry (one unit)**

A course to introduce students to the processes of scholarly and creative inquiry through direct participation in that inquiry. To be taken in the first year.

See course descriptions starting on page 17.

ART 130, Graphics: Exploring the Multiple

ART 140, Art Theory and Practice

ART 160, Chinese Painting in the West

BIOL 140, Novel Genetics

BIOL 157, Genetic Determinism: Are We Our Genes?

BIOL 160, The Broken Brain

BUS 110, Business and the Natural Environment

CHEM 150, The Great Flood

CLSC 104, Cleopatra: History and Myth

CLSC 105, Homer

CLSC 106, The Peloponnesian War: Athens at the End of the “Golden Age”

COMM 190, The Discourses of Slavery

CSOC 117, The Anthropology of Food and Eating

CSOC 118, Social Organization and Change in the Developing World

CSOC 120, Social Order and Human Freedom

CSOC 125, Culture Wars: A Global Context

CSOC 130, Murderous Neighbors, Compassionate Strangers: Disparate Responses to Genocide

CSOC 140, Modern Revolutions

ECON 101, Industrial Economies and Sustainability

ECON 103, Varieties of Social Explanation

ECON 104, Peasants, Commodity Markets and Starbucks: Coffee in the Global and Local Economies

FL 105, Aesthetics and Identity in Japanese Culture

FL 115, The Problem of Theodicy

FL 125, The Quest for King Arthur

GEOG 111, Dinosaurs and the Worlds They Lived In

HIST 122, Ecotopia?: Landscape and Identity in the Pacific Northwest

HIST 123, The Second World War in Europe

HIST 125, Sightings: China in European and American Perception

HIST 131, “Let Nobody Turn Us Around”: History and Culture of the Civil Rights Era

HIST 137, The Black Death: Medieval and Modern Perspectives

HON 150, History and the Construction of the Other

HUM 120, Crisis and Culture

HUM 122, Utopia / Dystopia

IPE 123, Political Economy of Southeast Asia

IPE 180, War and Peace in the Middle East

LAS 111, Salsa, Samba, and Soccer: Popular Culture in Latin America

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MATH 133, The Art and Science of Secret Writing  
MUS 121, Musical Film Biography: Fact, Fiction, and Art  
PG 111, The Constitution in Crisis Times: From the Civil War to the War on Terrorism  
PG 131, Islam and its Contexts  
PG 137, Politics of Terror  
PHIL 102, The Posthuman Future  
PHIL 104, Freedom of the Will and the Concept of a Person  
PHIL 105, Democracy and Equality  
PHIL 108, Infinity and Paradox  
PHYS 103, The Search for Extraterrestrial Intelligence  
PHYS 104, Symmetry in Scientific Thought  
PSYC 145, Ethical Issues in Clinical Psychology  
PSYC 180, Positive Psychology  
PT 110, Analyzing Health Care  
REL 107, Galilee: Religion, Power, and Politics  
REL 110, Magic and Religion  
REL 115, Buddhism and the Beats  
REL 120, Communities of Resistance and Liberation  
REL 125, Zen Insights and Oversights  
STS 144, Darwin in his Time  
THTR 111, Making Musical Theatre

### **Seminar in Writing and Rhetoric (one unit)**

A course in which students encounter the two central aspects of the humanistic tradition of rhetorical education, argumentation, and effective oral and written expression, and develop the intellectual habits and language capabilities to construct persuasive arguments and to write and speak effectively for academic and civic purposes. To be taken in the first year.

See course descriptions starting on page 29.

AFAM 110, Imaging Blackness: Black Film and Black Identity  
ART 150, Constructions of Identity in the Visual Arts  
BIOL 150, Science in the News  
CLSC 120, Persuasion and Power in the Classical World  
COMM 102, Social Scientific Argumentation  
COMM 103, Rhetoric of Adventure  
COMM 105, The Rhetoric of Race Relations: From Abolition to Civil Rights and Beyond  
COMM 106, Science and Equality  
COMM 107, Rhetoric, Film, and National Identity  
COMM 108, The Rhetoric of Contradiction in Work-Life  
COMM 110, Contemporary Controversies  
ECON 102, Controversies in Contemporary Economics  
ENGL 120, Ideas and Arguments on Stage  
ENGL 122, Seeing Texts and Writing Contexts  
ENGL 123, Individual Rights and the Common Good  
ENGL 124, "See What I Mean?": The Rhetoric of Words and Images  
ENGL 125, Civic Argument and the Theatre of Democracy  
ENGL 126, Genre Studies in Literature  
ENGL 127, An Opinion about Everything

ENGL 128, Shaping the Shadow: Argument and Insight  
ENGL 129, Power and Perception: The Mirror and the Music  
ENGL 130, Print Culture, Literacy, and Argument in American Life  
ENGL 131, Three Big Questions  
ENGL 132, Ecology of the Text  
ENGL 133, Politics of Space, Public and Private  
ENGL 134, Architectures of Power  
ENGL 135, Travel and the Other  
ENGL 136, Imagining the American West  
ENGL 137, Representing Multiculturalism  
EXSC 123, Understanding High Risk Behavior  
HIST 111, Scholars and Warriors in China and Japan  
HON 101, Encountering the Other / Writing the Self  
HUM 121, Arms and Men: The Rhetoric of Warfare  
OT 115, Schizophrenia Debates

### **Fine Arts Approaches (one unit)**

A course to develop an understanding and appreciation of an artistic tradition and to develop skills in the critical analysis of art. This course should be taken during the first three years.

ART 275, Studies in Western Art I: Ancient Art to Renaissance  
ART 276, Studies in Western Art II: Renaissance to Modern Art  
ART 278, Survey of Asian Art  
ART 302, The Art of Mexico and Mesoamerica  
ENGL 220, Introduction to Literature  
ENGL 244, Exploring Lyric Poetry  
ENGL 267, Literature as Art  
FL 200, Introduction to Literary Studies  
HON 206, The Arts of the Classical World and the Middle Ages  
MUS 100, Survey of Music Literature  
MUS 220, The Broadway Musical  
MUS 221, Jazz History  
MUS 222, Music of the World's Peoples  
MUS 230, History and Literature of Music I  
MUS 274, The Age of Haydn, Mozart, and Beethoven  
MUS 275, Romanticism in Music  
MUS 276, Twentieth-Century Music  
THTR 270, Theatre, Audience, and Society  
THTR 271, The Play's the Thing: Writing for the Stage  
THTR 275, The Theatrical Experience

### **Humanistic Approaches (one unit)**

A course to develop an understanding of how humans have addressed fundamental questions of existence, identity, and values and to develop an appreciation of these issues of intellectual and cultural experience. This course should be taken during the first three years.

AFAM 101, Introduction to African American Studies  
ASIA 144, Asian Societies Past and Present

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ASIA 350, Tibet - Real, Imagined, and Perceived  
CLSC 210, Greek Mythology  
CLSC 211, History of Ancient Greece  
CLSC 212, Ancient Rome  
CLSC 222, Greco-Roman World  
CLSC 225, Gender and Identity in Greece and Rome  
CLSC 230, The Classical Tradition  
CLSC 231, Greek and Roman Epic: Genre and Meaning  
COMM 291, Film Culture  
CSOC 200, Cultural Anthropology  
CSOC 215, Race and Ethnic Relations  
ENGL 205, Biography / Autobiography  
ENGL 226, Survey of Literature by Women  
ENGL 230, Literature of the Human Experience  
ENGL 236, Literature and the Quest for Personal Identity  
ENGL 239, Loss and Renewal: American Voices, American Identity  
ENGL 255, Introduction to Shakespeare  
FL 205, Survey of East Asian Literature  
FL 305, Modern French Theatre: From Cocteau to Beckett  
FL 310, Premodern Japanese Literature  
FL 320, Modern Japanese Literature  
GNDR 201, Introduction to Gender and Feminist Studies  
HIST 101, Roots of the Western Experience  
HIST 102 (A), Western Civilization: The Rise of the Modern State  
HIST 102 (B), Western Civilization: 1650-1990  
HIST 152, American Experiences I: Origins to 1877  
HIST 153, American Experiences II: 1877 to Present  
HIST 231, Britain and Britishness: The Making of the First Industrial Nation  
HIST 245, Chinese Civilization  
HIST 247, The Forging of the Japanese Tradition  
HIST 254, African American Voices - A Survey of African American History  
HIST 280, Colonial Latin America  
HIST 281, Modern Latin America  
HIST 371, American Intellectual History to 1865  
HON 211, Literature and the Construction of the Self  
HUM 201, The Arts, Ideas, and Society: Western Tradition  
HUM 206, The Classics of Russian Literature  
HUM 208, Classics of East Asia  
HUM 210, Power and Culture in Periclean Athens and Augustan Rome  
LAS 100, Introduction to Latin American Studies  
PHIL 101, Introduction to Philosophy  
PHIL 215, Ancient Philosophy  
REL 101, Introduction to the Study of World Religions  
REL 102, Jesus and the Jesus Traditions  
REL 108, Yoga and the Ascetic Imperative  
REL 200, History and Literature of Ancient Israel

REL 204, Religions of the Book: Judaism, Christianity, and Islam  
REL 210, Comparative Christianities  
REL 233, Japanese Religious Traditions  
REL 234, Chinese Religious Traditions  
REL 265, Thinking Ethically  
REL 365, Antisemitism and the Holocaust  
STS 201, Science, Technology, and Society I: Antiquity to 1800  
STS 202, Science, Technology, and Society II: Since 1800

### **Mathematical Approaches (one unit)**

A course to develop a variety of mathematical skills, an understanding of formal reasoning, and a facility with applications. This course should be taken during the first three years

CSCI 161, Introduction to Computer Science  
CSCI 261, Computer Science II  
HON 213, Mathematical Reasoning: Foundations of Geometry  
MATH 103, Introduction to Contemporary Mathematics  
MATH 150, Finite Mathematics  
MATH 160, Introduction to Applied Statistics  
MATH 170, Calculus for Business, Behavioral, and Social Sciences  
MATH 180, Calculus and Analytic Geometry I  
MATH 181, Calculus and Analytic Geometry II  
MATH 260, Intermediate Applied Statistics  
MATH 280, Multivariate Calculus  
MATH 290, Linear Algebra  
PHIL 224, Logic and Language  
PHIL 273, Formal Logic

### **Natural Scientific Approaches (one unit)**

A course to develop an understanding of scientific methods and to acquire knowledge of the fundamental elements of one or more natural sciences. This course should be taken during the first three years.

BIOL 101, Introduction to Biology  
BIOL 111, Principles of Biology  
BIOL 112, Diversity of Life  
CHEM 110, Fundamental Chemistry I  
CHEM 111, Fundamental Chemistry II  
CHEM 230, Chemical Analysis and Equilibrium  
CHEM 250, Organic Chemistry I  
CHEM 251, Organic Chemistry II  
ENVR 105, Environmental Science  
GEOL 101, Physical Geology  
GEOL 102, Time, Life, and Rocks  
GEOL 104, Physical Geology of North America  
GEOL 105, Oceanography  
GEOL 110, Regional Field Geology  
HON 212, Origins of the Modern World View

# The Core Curriculum

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PHYS 105, Historical Development in the Physical Sciences  
PHYS 107, Light and Color  
PHYS 109, Astronomy  
PHYS 111, General College Physics  
PHYS 112, General College Physics  
PHYS 121, General University Physics  
PHYS 122, General University Physics  
PHYS 205, Physics of Music  
PHYS 221, Modern Physics I  
PHYS 222, Modern Physics II  
PHYS 299, The History and Practice of Ancient Astronomy

## **Social Scientific Approaches (one unit)**

A course to acquire an understanding of theories about individual or collective behavior within a social environment and of the ways that empirical evidence is used to develop and test those theories. This course should be taken during the first three years.

COMM 252, Public Communication Campaigns  
CSOC 103, Social Problems  
CSOC 204, Social Stratification  
CSOC 212, Gender in the U.S.A.  
CSOC 230, Indigenous Peoples: Alternative Political Economies  
ECON 170, Contemporary Economics  
EDUC 419, American Schools Inside and Out  
HON 214, Social Scientific Approaches to Knowing  
IPE 201, Introduction to International Political Economy  
PG 101, Introduction to U.S. Politics  
PG 102, Introduction to Comparative Politics  
PG 103, Introduction to International Relations  
PG 104, Introduction to Political Theory  
PSYC 281, Social Psychology  
REL 112, Archaeology and Religion

## **Connections (one unit)**

A course to develop an understanding of the interrelationship of fields of knowledge. To be taken after completion of all other university core requirements, in the junior or senior year and must be taken at Puget Sound.

See course descriptions starting on page 38.

AFAM 355, African-American Women in American History  
AFAM 401, Narratives of Race  
ASIA 344, Asia in Motion  
CONN 302, Ethics of Responsibility and Difference  
CONN 305, The Idea of Archaeology  
CONN 306, The Conflict Between Rhetoric and Philosophy  
CONN 310, Crime and Punishment  
CONN 312, Biological Determinism and Human Freedom: Issues in Science and Religion  
CONN 315, Democracy, Ancient and Modern



CONN 320, Health and Medicine  
CONN 340, Gender and Communication  
CONN 348, Strange Realities: Physics in the Twentieth Century  
CONN 350, Perspectives on Food and Culture  
CONN 351, Everything Causes Cancer - Statistical Arguments for Causation  
CONN 355, Early Modern French Theater and Contemporary American Culture  
CONN 369, Power, Gender, and Divinity: The Construction of Goddesses  
CONN 375, The Harlem Renaissance  
CONN 379, Postcolonial Literature and Theory  
CONN 380, Religion and Architecture: From Cosmos to Cosmopolitanism  
CONN 381, Environmental Law  
CONN 390, Black Business Leadership: Past and Present  
CONN 415, Education and the Changing Workforce  
CONN 448, Work and Well-being: Stress and Health in the Workplace  
CONN 480, Informed Seeing  
ENVR 322, Water Policy  
ENVR 325, Geological and Environmental Catastrophes  
ENVR 335, Thinking About Biodiversity  
HON 401, Some Classics of Islamic, Indian, and East Asian Civilizations  
HUM 306, Cultural Identity in Japan and the United States  
HUM 307, Shanghai and Tokyo in the 1920s  
HUM 309A, Nationalism: British and German Nationalism in the Age of Industrialization and Empire, 1700-1919  
HUM 310, Imperialism and Culture: the British Experience  
HUM 315, Drama, Film, and the Musical Stage  
HUM 330, Tao and Landscape Art  
IPE 377, Revolutionary Ideas in Political Economy  
IPE 427, Competing Perspectives on the Material World  
STS 314, Cosmological Thought  
STS 318, Science and Gender  
STS 330, The Idea of Evolution  
STS 340, Finding Order in Nature  
STS 341, Modeling the Earth's Climate  
STS 345, Physics in the Modern World: Copenhagen to Manhattan  
STS 350, Computational Intelligence: An Introduction to Cognitive Science  
STS 352, Memory in a Social Context  
STS 360, Astrobiology: The Search for Life on Other Planets and for Life's Origins on Earth

# The Core Curriculum

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The following prefixes are used to denote schools, departments, and programs.

ART	Art Department	GRK	Greek (Classics)
ASIA	Asian Studies Program	HIST	History Department
BIOL	Biology Department	HON	Honors Program
BUS	School of Business and Leadership	HUM	Humanities Program
CHEM	Chemistry Department	IPE	International Political Economy Program
CHIN	Chinese (Foreign Languages and Literature Department)	JAPN	Japanese (Foreign Languages and Literature Department)
CLSC	Classics Department	LAS	Latin American Studies Program
COMM	Communication Studies Department	LAT	Latin (Classics)
CONN	Connections	LC	Learning Center
CRDV	Career Development	MATH	Mathematics (Mathematics and Computer Science Department)
CSCI	Computer Science (Mathematics and Computer Science Department)	MUS	School of Music
CSOC	Comparative Sociology Department	OT	Occupational Therapy Program
ECON	Economics Department	PE	Physical Education Program
EDUC	School of Education	PG	Politics and Government Department
ENGL	English Department	PHIL	Philosophy Department
EXSC	Exercise Science Department	PHYS	Physics Department
ENVR	Environmental Studies Program	PSYC	Psychology Department
FL	Foreign Languages and Literature Department	PT	Physical Therapy Program
FREN	French (Foreign Languages and Literature Department)	REL	Religion Department
GNDR	Gender Studies	SIM	Special Interdisciplinary Major
GEOL	Geology Department	SPAN	Spanish (Foreign Languages and Literature Department)
GERM	German (Foreign Languages and Literature Department)	STS	Program in Science, Technology, and Society
		THTR	Theatre Arts Department

## Frequency of Course Offerings

Not all elective courses are offered every year. These courses are offered as departments are able to fit them into faculty members' teaching schedules, which may result in some courses being offered on an infrequent basis. However, each department makes certain that all required courses and an appropriate range of electives are offered regularly so that full-time students are able to graduate within four years. This *Bulletin* lists all courses in the curriculum in order to convey the richness of the wide variety of interests and expertise the faculty bring to the academic program at Puget Sound.

## Seminar in Scholarly and Creative Inquiry

### Purpose

The purpose of this core area is to introduce students to the processes of scholarly and creative inquiry through direct participation in that inquiry. Students in a Scholarly and Creative Inquiry Seminar gain a degree of mastery that comes with deep exposure to a focused seminar topic. They increase their ability to frame and explore questions, to support claims, and to respond to others' questions and differing opinions. Finally, students develop and demonstrate their intellectual independence by engaging in substantive written work on the topic in papers or projects.

**ART 130 Graphics: Exploring the Multiple** This course presents an overview of graphic art forms – photography, printmaking, and digital imaging. Students explore ways that photographic, mechanical, and electronic tools have influenced both artistic production and the dissemination of art. This course asks students to consider the varied potential of the two-dimensional multiple for visual communication. With this in mind, students write research papers and create hands-on artistic projects, both as individuals and collaborators. The course format also includes group discussions, slide lectures, student presentations, a presentation by a guest speaker, and trips to museums and print shops. Satisfies the Seminar in Scholarly and Creative Inquiry core requirement.

**ART 140 Art Theory and Practice** This course is an introduction to the art, artists, and concepts that inform modern and contemporary art movements. The focus of the course is on the art of pivotal 20<sup>th</sup> and 21<sup>st</sup> century artists who have redefined our ideas about art. Students analyze the formal elements and conceptual issues surrounding critical artworks that represent significant trends in art. A series of projects, based on the theories and aesthetic concerns of relevant artists accompany oral and written modes of consideration and analysis. Satisfies the Seminar in Scholarly and Creative Inquiry core requirement.

**ART 160 Chinese Painting in the West** This seminar deals with how Chinese painting, one of the unique art traditions in the world, was dramatically exposed to the West at the turn of the twentieth century. The course also explores how market demand, public interest, and academic inquiry contributed to making Chinese painting an inseparable cultural element in the shaping of modern Western society. The course format includes slide lectures, a museum visit, reading assignments, group discussions, and an individual research project. Satisfies the Seminar in Scholarly and Creative Inquiry core requirement.

**BIOL 140 Novel Genetics** In this course students consider current areas where the science of genetics intersects public perceptions, ethics, and policy. This includes genetic discrimination, designer babies, and human cloning. Participants explore the science behind each issue and then consider the impact of the science on human lives through fiction and an examination of current policy debates in each area. Satisfies the Seminar in Scholarly and Creative Inquiry core requirement.

**BIOL 157 Genetic Determinism: Are We Our Genes?** This course is an exploration of the role genes serve in human health and behavior. Readings include scientific and personal accounts of the relative effects of genes and the environment. Additionally, the course enables students to assess the media's portrayal of the power of genes and genetic technology. Oral discussions/presentations and writing assignments help students advance their ability to develop questions, defend ideas, and communicate in a clear manner. Satisfies the Seminar in Scholarly and Creative Inquiry core requirement.

## Seminar in Scholarly and Creative Inquiry

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**BIOL 160 The Broken Brain** An introduction to the human brain and brain dysfunction. Students explore the experiences of and the biology underlying four common brain dysfunctions: Tourette's syndrome, schizophrenia, autism, and Alzheimer's disease. Sources include novels, movies, and popular science articles. The course develops skills in critical reading, thinking, and writing. Satisfies the Seminar in Scholarly and Creative Inquiry core requirement.

**BUS 110 Business and the Natural Environment** This course develops skills for creative and scholarly inquiry into the interaction between business and the natural environment. Students explore the relationships - both the tensions and the compatibilities - between modern business management and the environment, and the ethical issues that arise when these diverse disciplines intersect. Students examine business and environmental ethics, the tension between trade and the environment, the social responsibility of business, environmental law as it relates to business, green strategies for business, environmental justice, globalization, the concept of sustainability, and the environmental impact of business on animals in captivity and wildlife. Students participate in rigorous examination of contemporary business issues as they relate to the natural environment. Satisfies the Seminar in Scholarly and Creative Inquiry core requirement.

**CHEM 150 The Great Flood** A great flood figures prominently in the Biblical, Chaldean, and Sumerian accounts of Genesis, among others. Why are these stories so widespread? Several answers are possible: Perhaps there was a single worldwide flood that affected all peoples. Perhaps one culture experienced a great flood and spread the story to others. Or perhaps floods were so common that every culture eventually experienced a disastrous one. In the last thirty years, a hypothesis has emerged which identifies a single Great Flood as a catastrophic flooding of the Black Sea. This view is informed by historical accounts, but is based on geological, chemical, biological, genetic, and archaeological evidence. Was there really such a flood, and if so, did it form the basis of the ancient flood stories? This course traces the development of the Black Sea hypothesis, critically examines the scientific and historical evidence behind it, and considers some possible implications. The process of inquiry that developed the hypothesis is multidisciplinary and combines scientific inquiry with critical examination of historical texts. Particular attention is paid to the validity of the inferences drawn from scientific research. Students develop and demonstrate their intellectual independence by engaging in substantive intellectual discourse on this topic, written and oral. Satisfies the Seminar in Scholarly and Creative Inquiry core requirement.

**CLSC 104 Cleopatra: History and Myth** Who was Cleopatra? Even the plain facts about her life are hard to come by. To the Romans, she was the foreign queen who tried to steal their empire and who represented the most dangerous threat to their civilization in 200 years; to the Egyptians she was a goddess incarnate, the universal mother, and a liberator who came to free them from oppression. But perhaps more intriguing are the images that have appeared since her death: to Shakespeare she was a tragic lover, to Chaucer she was the model of a good wife; to painters of the Renaissance she was a passive victim, to writers imbued with Romanticism she was a *femme fatale*; to post-Enlightenment colonialists was an exotic Easterner, to Hollywood she has been a temptress, a sex kitten, and a vamp. This course examines the depictions of Cleopatra in a variety of different mediums to explore how each society created their own image of this bewitching figure. Satisfies the Seminar in Scholarly and Creative Inquiry core requirement.

**CLSC 105 Homer** This seminar is an exploration of the two greatest ancient epic poems, the *Iliad* and the *Odyssey*. In addition to a careful reading of the Homeric epics themselves, this course introduces students to the vigorous and diverse scholarly inquiry directed at the poems in recent years. Among the interpretive and scholarly issues addressed are: the nature of oral poetry

## Seminar in Scholarly and Creative Inquiry

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(including comparative material from several cultures); the relationship between poems and the archaeological record; Homeric views of the divine; the psychological and ethical distinctiveness of the world of the poems; and the assumptions about gender presented in the epics. Satisfies the Seminar in Scholarly and Creative Inquiry core requirement.

**CLSC 106 The Peloponnesian War: Athens at the End of the “Golden Age”** From 431 - 404 BCE, Greece was torn apart by a devastating struggle between Athens and Sparta. As its famous historian, Thucydides, wrote, the Peloponnesian War was the greatest war in its geographical scope, the bloodiest in its casualties, and the costliest in its consumption of resources that the Greeks to that time had experienced. Curiously, the period of the war was also among the culturally richest in Athenian history. Through close reading of Thucydides, students explore the development and effects of the war and the philosophical issues that Thucydides raises in his history. Through close reading of Sophocles, Euripides, and Aristophanes, students attempt to define these playwrights' perspectives on the world and to consider the extent to which, if at all, their works reflect or were shaped by the experience of war. Along the way, the class also examines developments in the visual arts and philosophy in late 5<sup>th</sup> c. BCE Athens. Satisfies the Seminar in Scholarly and Creative Inquiry core requirement.

**COMM 190 The Discourses of Slavery** While the institution of American slavery existed as a corporeal, material phenomenon, it nevertheless was initially implemented via judicial rulings and legislative enactments, was sustained and challenged through the rhetorical hermeneutics of Biblical and constitutional exegesis, was promoted as a “positive good” and attacked as an unmitigated evil, was represented in fictional and dramatic productions, was repeatedly contested and defended in the legal sphere and in various deliberative forums, and remains an integral part of our cultural memory. In this seminar students examine these various discourses of slavery, developing an understanding of the discursive resources through which our nation's peculiar institution has been defended, attacked, and remembered. Satisfies the Seminar in Scholarly and Creative Inquiry core requirement.

**CSOC 117 The Anthropology of Food and Eating** The quarry of the anthropologist—the deep - social patterns and cultural meanings that shape human existence - are often disguised, out of sight, behind the curtain of the world as it appears. In seeking a vantage point from which one might glimpse these phenomena, this course follows a well-beaten anthropological path: beginning with a commonplace, everyday practice, students work outward in scope and backward in time to construct an informed, analytic, and critical perspective on human society and culture through the seemingly pedestrian substance of food. The course begins with selected readings that explore single commodities, tracking the lowly banana across continents, following sugar back in time to the throes of the Industrial Revolution, and trailing the beef cow from birth to the fast food chains down the street. Students then examine the inequities of global food consumption - why some people have too little to eat while others eat too much. The reading portion of the course concludes with selections that analyze the intricate connections between food, identity, and the global political economy. In the final weeks of the semester, after a brief introduction to ethnographic methods, students conduct short ethnographic interviews that allow them to critically engage the scholarly literature through firsthand research in the local community. This course is an ideal introduction to anthropology, a discipline whose interests are split between the Comparative Sociology Department and the International Political Economy Program here at the University of Puget Sound. Satisfies the Seminar in Scholarly and Creative Inquiry core requirement.

**CSOC 118 Social Organization and Change in the Developing World** The first section of this course examines basic problems and perspectives of development. The following section consid-

## Seminar in Scholarly and Creative Inquiry

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ers social and economic organization; variations in approaches to development. The final section examines specific social issues such as human rights, environment and sustainability, and anti-systemic movements. Students also study geography as they examine these questions. Satisfies the Seminar in Scholarly and Creative inquiry core requirement.

**CSOC 120 Social Order and Human Freedom** This seminar explores the apparent, and perhaps genuine, contradiction between the concepts of social order and individual freedom. An ordered society implies that people generally do what they are supposed to do when they are supposed to do it. Our casual observation of society confirms persistent patterns of human behavior. At the same time, however, most of us cling to the notion of our individual free will and our legal system as premised beyond this idea. The central question then is this: Are we truly free or do we simply follow the patterns our society has constructed for us? The questions of social order and human freedom have captured the attention of some of the greatest sociologists, philosophers, historians, and literary figures. With only slight exaggeration one might say they are the central questions of modern Western Civilization. This course provides students with an introduction to this important area of human inquiry. Satisfies the Seminar in Scholarly and Creative Inquiry core requirement.

**CSOC 125 Culture Wars: A Global Context** The central aim of the course is to analyze, evaluate, and critique the dominant interpretations and perspectives regarding the cultural divide between the Western and non-Western world. Accordingly, a central theme underlying the course is the persistence of the cultural divide between Western and non-Western societies and its impact on reproducing the understanding of the “other” that is constructed. Students critically examine this theme about the persistence of the cultural divide so as to develop a more informed and mature appreciation of the complexities that shape cross-cultural and certain international problems. The material is designed to challenge students’ appreciation of the forms of socio-cultural forces and contradictions that create and shape macro level problems. Satisfies the Seminar in Scholarly and Creative Inquiry core requirement.

**CSOC 130 Murderous Neighbors, Compassionate Strangers: Disparate Responses to Genocide** In numerous communities in Nazi-occupied Europe, it was not only Nazis themselves, but also a significant number of local residents of those communities, who actively participated in the gruesome mass killings of their own Jewish neighbors. At the same time, in those same occupied countries, other local people – non-Jewish individuals as well as collective groups – risked their own lives and those of their immediate families in order to save Jewish lives, even when these people were strangers to them. This horrendously bifurcated pattern – murderous neighbors juxtaposed against compassionate strangers – is not limited to the context of mid-twentieth century Europe. Acts of genocide and atrocity have been and still are being carried out across a wide expanse of time and space, including the deliberate physical and cultural extermination of indigenous peoples, the forced conscription and often permanent “mind-poisoning” of child soldiers, and the never-ending cycle of far too many situations of ethnic cleansing, genocide, violence, and retaliation. And yet each of these horrible acts has affected some people, alone or in groups, in quite a different way, moving them to take action, in various ways, against these horrors. What prompts this tremendous difference in response? This seminar examines this question in depth, using as a tool for inquiry the concept of “difference” or “Other” as developed, critically examined, and used in the discipline of anthropology. At the same time, this course also gives students a chance to become familiar with other ways of framing and exploring this question, making use of complementary insights from fields such as literature, history, and international law. Satisfies the Seminar in Scholarly and Creative Inquiry core requirement.

**CSOC 140 Modern Revolutions** Revolutions often mark major transformations in the socio-political life of nations. This course examines the causes and consequences of important modern revolutions from a sociological perspective. It also considers the ethical issues surrounding revolutions – for example, do the ends ever justify the means? Do revolutions merely replace one tyranny with another or are they forces for progressive change? These and other sociological and ethical issues are investigated through a detailed examination of several cases of modern revolutions (e.g. the Russian, Iranian, and Cuban revolutions). Satisfies the Seminar in Scholarly and Creative Inquiry core requirement.

**ECON 101 Industrial Economies and Sustainability** This course is divided into two parts. First the course engages in a macro-level analysis, conducting a brief historical analysis of the concepts of ecosystems and sustainability and then considering how human systems integrate with or impact ecosystems in sustainable or unsustainable ways. The course works with and interprets data on material flows, waste generation, and environmental degradation and asks how these data should be used and what information they embody. In the review of data, students necessarily explore issues of scale, measurement, and targets. The exciting part of the work is in the second part, the micro-level analysis. Here students consider the industrial economies' response to ecosystem concerns and social goals of environmental sustainability. After reading, writing, discussing, and debating, students embark on a research project, with the goal of further informing the discourse on the industrial economy and sustainability. Satisfies the Seminar in Scholarly and Creative Inquiry core requirement.

**ECON 103 Varieties of Social Explanation** This course examines the topic of social explanation, in particular the varieties of different forms of social explanation deployed within the social and human sciences. The underlying assumption of the course is that different social sciences and different research programs within the various social sciences employ fundamentally different explanatory strategies in their efforts to understand various aspects of society and social action. These explanatory strategies include, but are not restricted to: functionalism, structuralism, rational choice, behaviorism, statistical explanation, narrative, and biological reductionism. Course readings come from a range of different sources, both primary and secondary, and inform a variety of different writing assignments including one substantive research paper. Satisfies the Seminar in Scholarly and Creative Inquiry core requirement.

**ECON 104 Peasants, Commodity Markets, and Starbucks: Coffee in the Global and Local Economies** This seminar considers the global web of economic relations that governs the production and consumption of coffee. The course explores 1) the economic circumstances of peasant coffee producers in Latin America and the economic dualism that characterizes coffee-producing regions; 2) the organization of global commodity markets and the impact of commodity dependence on producer countries; 3) the dramatic expansion of specialty coffee (e.g., Starbucks) consumption; and 4) the sustainable coffee initiatives with emphasis on the fair trade movement. These issues are examined through the New Institutional Economics framework which challenges the predictions of the perfect competition model. Specific topics include: the impact of transaction costs and imperfect information on peasant participation in markets; the benefits and difficulties in the creation of producer cooperatives; environmental externalities in coffee production; the evolution of the global terms of trade for commodity producers; forward and spot markets for commodities; and the conveyance of information to consumers through social certification systems. Satisfies the Seminar in Scholarly and Creative Inquiry core requirement.

## Seminar in Scholarly and Creative Inquiry

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**FL 105 Aesthetics and Identity in Japanese Culture** This course explores the evolution of commentary on beauty, aesthetics, and national identity in Japanese literature, art, and culture. Starting with modern texts and images by both Japanese and Western authors and artists, students identify the elements that make up common representations of a “Japanese aesthetic.” The course then moves back in time to trace the fundamental development of these elements in Japanese literature and art, starting with the poetry of the eleventh-century court and continuing with Zen art, the cult of tea, and early-modern texts on aesthetics and national identity. Students then return to two twentieth-century texts published in Japan and the United States to see how the elements of classical Japanese literature and culture were used to construct a modern Japanese identity. Satisfies the Seminar in Scholarly and Creative Inquiry core requirement.

**FL 115 The Problem of Theodicy** This course explores the conundrum of “reconciling the goodness and justice of God with the observable facts of evil and suffering in the world” by means of intensive interaction with philosophical, literary, and religious texts. Satisfies the Seminar in Scholarly and Creative Inquiry core requirement.

**FL 125 The Quest for King Arthur** A survey of classical texts of the Arthurian tradition from Celtic sources to Malory. Principal themes for discussion and intensive writing include oral poetry and the written word; Middle Latin and the rise of vernacular literature; Arthurian values and heroic ideals; literature and cultural identity; heroic prowess, courtly love, and gender; the quest and search for identity. Satisfies the Seminar in Scholarly and Creative Inquiry core requirement.

**GEOL 111 Dinosaurs and the Worlds They Lived In** Dinosaurs, or their remains (fossils), have been discovered all over the world and from the time they were first recognized in the mid-nineteenth century a very large amount of literature has been generated about these fascinating beasts. Some of what has been written is based on scientific observations; some has been pure fantasy; much is somewhere in between. In this seminar students examine what paleontologists, past and present, have told us about the animals called dinosaurs and also look at how dinosaurs are portrayed by artists, non-scientists writing in the popular press (newspapers, magazines), writers of fiction, and even some movies. Seminar participants are able to separate some of the truths from some of the fictions to learn about what dinosaurs really were, and about how, when, and where they lived. Satisfies the Seminar in Scholarly and Creative Inquiry core requirement.

**HIST 122 Ecotopia?: Landscape and Identity in the Pacific Northwest** In his novel *Ecotopia*, Ernest Callenbach envisioned Northern California, Oregon, and Washington separating from the USA to become a break-away “green” republic. Using this imagined place as a kind of base camp, this course explores the multifaceted relationship between landscape and human identity in the region. Probing historical documents, literature, painting, photography, and architecture and landscape itself in field trips, students investigate how different peoples have encountered, experienced, and represented the environment in the Pacific Northwest and how, in turn, the environment has shaped their sense of who they are. Satisfies the Seminar in Scholarly and Creative Inquiry core requirement.

**HIST 123 The Second World War in Europe** The course begins by placing the Second World War within the concept of total war that emerged with growing scale or warfare experienced in the First World War. Attention is given to the causes of the war in light of the failure of the Treaty of Versailles and the rise of fascism. The course traces the success and defeat of the Axis powers in Europe between 1939 and 1945. Emphasis is placed on the plight of the Jews and the challenges



that faced all civilians during the course of the war. The course ends with an analysis of the legacy of the Second World War in Europe. Satisfies the Seminar in Scholarly and Creative Inquiry core requirement.

**HIST 125 Sightings: China in European and American Perception** China as an idea and a destination long has held fascination for European and American travelers and has entered the popular imagination of their countrymen at home. This course explores the images of China in European and American perception through classic works such as Marco Polo's *Travels* and Pearl Buck's *The Good Earth*. Critical analysis of varied texts enables understanding of China as part of a broader world connected by commerce, curiosity, and global politics. This course also includes cultivation of the intellectual processes of inquiry, discovery, and exposition, as well as the methodology of historical scholarship - determination of the uses and quality of evidence, the search for correlative data, and the creation of tenable historical interpretations and arguments. Satisfies the Seminar in Scholarly and Creative Inquiry core requirement.

**HIST 131 "Let Nobody Turn Us Around": History and Culture of the Civil Rights Era** This course focuses on the civil rights era, exploring through an interdisciplinary approach the history and expressive culture of this momentous period. This interdisciplinary approach is particularly applicable for a course focused on the civil rights movements because the literature of racial protest and of the "black arts" was not simply parallel to the political upheavals: as Amiri Baraka put it in 1971, "Art is Politics." The course is structured around charged moments of both historical and artistic significance: the *Brown* decision, the murder of Emmitt Till, Martin Luther King Jr.'s jailing in Birmingham, Freedom Summer, the Watts riot, the Black Power and Black Arts Movements, and the Bakke decision. Readings and assignments engage the complex, sometimes contradictory, legal, political, literary, artistic, and musical responses to these resonating events. Satisfies the Seminar in Scholarly and Creative Inquiry core requirement.

**HIST 137 The Black Death: Medieval and Modern Perspectives** The Black Death, the great plague that devastated Europe from 1348 to 1350, continues to captivate the modern popular imagination. At the same time, this calamity remains one of the most poorly understood events in pre-modern European history. In recent years the Black Death has been the subject of renewed historical and scientific inquiry, much of which has questioned traditional interpretations of the etiology of the disease (was it really bubonic plague at all?) and its short- and long-term effects on the society, economy, and family structure of late medieval Europe (was it the "end" of the Middle Ages?). Students in this course read a wide variety of primary sources in translation in order to reconstruct medieval people's reactions to the plague, as well as contemporary beliefs about the causes, remedies, and implications of the disease. The course also engages with recent historical debates surrounding the Black Death and representations of the plague in modern literature and film. Satisfies the Seminar in Scholarly and Creative Inquiry Seminar core requirement.

**HON 150 History and the Construction of the Other** This course is designed to meet the special goals of the Honors Program as well as the goals of the Seminar in Scholarly and Creative Inquiry. It aims to analyze a continuing theme in the evolution of Western historical method from ancient Greece to the present, and in the process to introduce students to the works of a number of important historians from ancient Greece to the American twentieth century. The course concentrates on the differing methods of historical inquiry and poses larger questions about how cultures construct and reconstruct their past. The central theme of the course is the encounter with the other, though the particular way of approaching that theme varies from year to year. Through a critical reading of the texts of such historians as Herodotus, Bede, Bernal Díaz

## Seminar in Scholarly and Creative Inquiry

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del Castillo, and William Cronon, students gain an understanding of the process of change and continuity in the values and institutions of Western civilization. *Prerequisite: admission to the Honors Program.* Satisfies the Seminar in Scholarly and Creative Inquiry core requirement.

**HUM 120 Crisis and Culture** This seminar investigates the ways in which individuals and communities respond to cultural crisis and transformation, i.e. those historical moments when traditional and dominant beliefs and practices are called into question and reevaluated. Subject matter, historical periods, and reading lists vary with the instructor. Recent offerings have focused upon the Scientific Revolution, the Art of Theatre, the English Romantic Poets and the French Revolution, the AIDS crisis in late 20<sup>th</sup> Century America, and Athens in the time of Pericles. Satisfies the Seminar in Scholarly and Creative Inquiry core requirement.

**HUM 122 Utopia / Dystopia** What is human nature? Is it malleable or fixed? What is human happiness? Can human beings live together in harmony? What is the perfect society? Is it possible to achieve such a society? What is the proper role of government in it? How much individual freedom or dissent can be tolerated in it? In a historical survey of utopianism and anti-utopianism, students discover how selected writers and communitarians have answered these questions in theory, fiction, and practice. This class considers the evolution of utopianism (the concept of an ideal society) and its criticism (anti-utopianism) in Western thought from ancient times to the twenty-first century. Readings vary from year to year, but may include Plato's *Republic*, More's *Utopia*, Voltaire's *Candide*, Hawthorne's *Blithedale Romance*, Gilman's *Herland*, Bellamy's *Looking Backward*, Zamyatin's *We*, Skinner's *Walden Two*, and documents from actual utopian communities. Satisfies the Seminar in Scholarly and Creative Inquiry core requirement.

**IPE 123 Political Economy of Southeast Asia** This course serves as an overview of the political, economic, social, and cultural processes shaping the region known as Southeast Asia. This course utilizes a range of disciplinary approaches in order to illustrate patterns of change in the Southeast Asian context. Throughout, the course integrates discussion of theoretical issues with examples from around Southeast Asia. By applying theoretical material to specific countries and real-world examples, the class explores the ways in which broad perspectives intersect with economic, political, and social issues to shape the nature and direction of change in Southeast Asia. Satisfies the Seminar in Scholarly and Creative Inquiry core requirement.

**IPE 180 War and Peace in the Middle East** This course examines the causes and consequences of the most important conflicts in the Middle East and North Africa. Among the cases analyzed are the Arab-Israeli conflict; the war in Iraq; the Iran-Iraq war; Lebanon's civil war; and Algeria's civil war. Attention is devoted to the dynamics of the fight against terrorism and violent Islamism. In addition, the course assesses peace-building efforts in response to these conflicts and looks at examples of successful, peaceful dispute resolution in the region. Satisfies the Seminar in Scholarly and Creative Inquiry core requirement.

**LAS 111 Salsa, Samba, and Soccer: Popular Culture in Latin America** This seminar considers the intersections of gender, race, and class in the production of popular culture as an introduction to and a way to understand Latin America. Beginning with introductory historical and theoretical frameworks, the class examines a variety of contemporary forms of popular culture: popular religious symbols and rituals, secular festivals, music, dance, food, and sports. Along the way, the class explores the tensions between elite and popular cultures; popular culture as resistance or opposition; attempts by the state to manage popular culture as a symbol of national identity or a form of social control; the relation of popular culture to mass and commercial culture; and

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the migrations of cultural forms between Latin American countries and the rest of the world. Satisfies the Seminar in Scholarly and Creative Inquiry core requirement.

**MATH 133 The Art and Science of Secret Writing** This seminar studies the mathematics of encryption, a science known as cryptology. Considerable attention is given to the military and social history of cryptology and the public-policy questions raised by its increasing use in conjunction with the Internet. However, the focus is on the use of mathematics to create and analyze encryption algorithms, so students need the equivalent of four years of high school mathematics. A variety of practical exercises require the use of specialized software and e-mail programs, so the student should be willing to use unpolished programs on the Windows platform. Satisfies the Seminar in Scholarly and Creative Inquiry core requirement.

**MUS 121 Musical Film Biography: Fact, Fiction, and Art** In this seminar students view and study nine significant film biographies that depict well-known composers and performers from the eighteenth through the late twentieth century. The principal biographical subjects are Wolfgang Amadeus Mozart, Ludwig van Beethoven, Fryderyk Chopin, W.S. Gilbert and Arthur Sullivan, George M. Cohan, George Gershwin, Richard Rodgers and Lorenz Hart, Charlie Parker, and Glenn Gould. The course explores historical and artistic connections between musical biography and film biography and the conflicts between historical reality and commercial and artistic interests. Satisfies the Seminar in Scholarly and Creative Inquiry core requirement.

**PG 111 The Constitution in Crisis Times: From the Civil War to the War on Terrorism** Wars and crises have led to great expansions of presidential power and, often, sharp restrictions on civil rights and liberties in the United States. Seminar participants explore the historical development of the “imperial presidency” and our experiences with civil liberties in crisis and wartime. They assess post-9/11 assertions of presidential power to civil liberties in light of their understanding of our experiences with the Constitution in crisis times. Satisfies the Seminar in Scholarly and Creative Inquiry core requirement.

**PG 131 Islam and its Contexts** This seminar provides an introduction to Islam that enables students to understand the origins and history of Islam as well as to recognize the global diversity of practices that make up contemporary Islam. Emphasis is placed on the relationship between sacred texts (the Quran and *hadith*, or early commentaries on the Quran), their interpretation, and the local practices that they inform. Students explore the relationship between current Islamic interpretations and the texts that serve as their foundations. The course considers topics widely discussed in the United States such as family law (*sharia*), women’s rights, and questions regarding the concept of *jihad*. The primary (though not exclusive) comparison is between readings focused on the context of the Middle East and those describing Islamic practices in Southeast Asia. Satisfies the Seminar in Scholarly and Creative Inquiry core requirement.

**PG 137 Politics of Terror** This course examines the phenomenon of terrorism on many different dimensions. First, it explores what is meant by the term “terrorism.” The class considers what is meant by “terrorism,” and the question of “Is one man’s terrorist another man’s freedom fighter?” Next, the class considers why certain groups turn to terror. What do they hope to accomplish and how does terrorism help them achieve their goals? The course then turns to looking at various strategies to combat terrorism. Is terrorism best fought like a military conflict or like an international crime? How can states hope to protect themselves? Ethical issues are also addressed, such as the legality and morality of assassination and torture in counter-terror efforts, and how the needs of national security are balanced against the requirements of civil liberties in a free,

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democratic society. Finally, the course considers the War on Terror itself, analyzing its strategies and tools and assessing its purpose and efficacy. Satisfies the Seminar in Scholarly and Creative Inquiry core requirement.

**PHIL 102 The Posthuman Future** This course considers how rapid advances in science and technology, especially in biomedicine and cybernetics, may contribute to the alteration, enhancement, and evolution of the human into the “posthuman” or “transhuman.” The course also touches on some of the important philosophical questions raised by these advances. For example: Is there a human nature and can it be transcended? What is the self and how is it related to the body and its extensions? Is there a difference between natural and artificial intelligence? Is immortality possible? Are we free to determine our future? The course also examines the philosophical roots of posthumanism or transhumanism in the writings of philosophers like Plato, Descartes, Nietzsche, and Deleuze. Finally, students debate the religious, ethical, and political implications of posthumanism and transhumanism. For example: Are humans now usurping the role of God or nature? Should humans aim to enhance and perfect themselves? Is the goal of human enhancement compatible with egalitarianism? Are human rights applicable to the posthuman? Do humans have moral or political obligations toward future generations or toward humankind? Satisfies the Seminar in Scholarly and Creative Inquiry core requirement.

**PHIL 104 Freedom of the Will and the Concept of a Person** The concept of a person is as central to our self-understanding as it is to Western philosophy. This seminar explores this important concept through direct immersion in two areas of contemporary debate. The first concerns freedom. Persons, it is thought, have at least some degree of autonomy. This belief in free will, however central to our moral outlook, seems threatened by advances in biology and psychology. Must we give up our belief in free persons or change our moral practice if it turns out that everything we do is determined by forces outside our control? The second debate concerns identity and change. Persons, it is thought, are complex entities that persist through time and survive radical change, perhaps even death. How do we say that this person now, after some change, is the same person she was then, before the change, and not some new person? What principles are implicit in our everyday judgments concerning personal identity? Readings in the course are drawn from both classic and contemporary sources. Satisfies the Seminar in Scholarly and Creative Inquiry core requirement.

**PHIL 105 Democracy and Equality** The American political tradition has been ambivalent about equality as a political ideal. Yet most would argue that democracy means equality in at least some respect, and many have argued that democracy – and even liberty – are impossible without equality in respect of economic status. These perennial political issues stand at the center of this course in which students investigate, criticize, and formulate for themselves important philosophical considerations, in one direction or another, on the meaning of civil equality, on distinctions among legal, political, social, and economic equality, and on the defensibility of various conceptions of equality as democratic ideals. Readings are drawn from influential political theorists of the past and from philosophical inquiries of recent decades. Not only do students consider the question of equality within a political community, but the class also addresses the moral claims of equality across political boundaries and even in the global context that has so particularly concentrated our recent attentions. Satisfies the Seminar in Scholarly and Creative Inquiry core requirement.

**PHIL 108 Infinity and Paradox** Can the infinite be tamed? Many people say that the human mind cannot comprehend the infinite. And from Zeno to Bertrand Russell, mathematicians and

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philosophers who have tried have been plunged into this paradox. This course moves from philosophical perplexity about such paradoxes to mathematical theories that define different notions of infinity, compare infinite sets, and discern an infinite progression of distinct transfinite numbers. Whether these theories are coherent – and more than a fantasy – remains a matter of controversy. As a mathematical inquiry, this course inculcates techniques of abstraction, definition, proof, and calculation. It also invites reading, discussion, and writing on some of the most fascinating and persistent of philosophical problems. *Prerequisite: strong background in high school mathematics, including successful completion of a pre-calculus course.* Satisfies the Seminar in Scholarly and Creative Inquiry core requirement.

**PHYS 103 The Search for Extraterrestrial Intelligence** Are we the only sentient beings in the universe? What is the likelihood that others exist in the cosmos? Can they visit us? Can we communicate with them? *Where are they?* This seminar examines the last fifty years of the scientific search for intelligent life off the earth. The occurrence of intelligence on a planet depends on astrophysical, biological, and environmental factors. This course investigates these factors in an attempt to estimate the number of civilizations within our galaxy. The class also examines the pessimistic view that we are truly the only intelligent life in the galaxy based on the lack of extraterrestrial artifacts within the solar system. In order to gain an appreciation of the main instrument used in SETI, the class constructs and uses a simple radio telescope. Satisfies the Seminar in Scholarly and Creative Inquiry core requirement.

**PHYS 104 Symmetry in Scientific Thought** Ever since the concept of symmetry was elevated by Einstein into a guiding physical principle, it has played a prominent role in physics. This seminar explores how symmetry has helped shape the course of physics over the past century. The methods that physicists use to describe symmetries will be studied, and the writings of great physicists on the subject of symmetry are read and discussed. Many of the foremost contemporary physical theories are examined, as are philosophical issues related to symmetry in physics. Satisfies the Seminar in Scholarly and Creative Inquiry core requirement.

**PSYC 145 Ethical Issues in Clinical Psychology** This course investigates a range of controversial topics in the clinical field. Students develop familiarity with a variety of research approaches. Topics include: personality theories, the role of therapy in behavioral change, ethics in diagnosis and treatment, community psychology, and family violence. Satisfies the Seminar in Scholarly and Creative Inquiry core requirement.

**PSYC 180 Positive Psychology** This course surveys the positive aspects of human functioning. Topics include positive emotions and traits, the influence of work and relationships on happiness, coping and resilience, spirituality and well-being, and diversity in optimal functioning. The theories and methods underlying this field of inquiry also are examined. Students explore these topics in depth by discussing and writing about the issues and their implications for the study of human thought and behavior and for everyday life. Satisfies the Seminar in Scholarly and Creative Inquiry core requirement.

**PT 110 Analyzing Health Care** Students in this course study scholarly and creative inquiry working within a theme of explorations of issues in health care. Students first consider the nature of evidence, types of evidence gathering, and analysis. After building a foundation of understanding of this material through several practical exercises, students work in small groups to complete library research projects. The projects may explore any of a variety of issues, which may include forces affecting the health care system itself, studies into how epidemiological discoveries are made,

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explorations of how effectiveness of medical procedures is determined, and explorations into the human experience of patients and practitioners. Each student produces an independent written document based on their library or other media research. Working within their small groups, students further explore the process of scholarly and creative inquiry by sharing their findings in a panel discussion format. Satisfies the Seminar in Scholarly and Creative Inquiry core requirement.

**REL 107 Galilee: Religion, Power, and Politics** Galilee was a region in Northern Israel through which armies marched, pilgrims tramped, and modern Judaism and Christianity were born. Jesus of Nazareth grew up and performed his ministry primarily in Galilee. The great rabbi, Judah ha-Nasi (Judah the Prince), compiled there the Mishnah, one of the centerpieces of modern Judaism. The Crusaders were defeated by the Muslim General Saladin in Galilee, effectively ending Crusader presence in the Holy Land. Drawing on literary sources and archaeology, this course examines the physical and symbolic landscape of Galilee to examine the interaction between religion, power, and politics. The goal is to determine how persons used and continued to use religion and traditions to make legitimate their moral, cultural, and political claims. Satisfies the Seminar in Scholarly and Creative Inquiry core requirement.

**REL 110 Magic and Religion** This seminar will ask, “What is magic?” and “What is religion?” Historians, sociologists, anthropologists, and scholars of religion have struggled to come up with working definitions of these terms. To examine the roles of magic and religion in culture and history, the course focuses on Latin Christianity from the time of Jesus through the seventeenth century in England. Students read a selection of anthropological texts that provide new ways of posing questions about the nature of magic and religion. The course concludes by asking whether it is possible to define magic and religion in ways which work for all cultures in every time, or whether such definitions can only be understood in particular contexts. Satisfies the Seminar in Scholarly and Creative Inquiry core requirement.

**REL 115 Buddhism and the Beats** This seminar examines the encounter of Buddhism and the Beat literary movement in late twentieth century America, focusing on Buddhism’s reception and transformation by the Beats, as well as the question of the subsequent influence of Beat Buddhism and the Beat generation on the cultural values of America. The readings are drawn from classic Buddhist texts and eminent Beat authors, including Kerouac, Ginsberg, and Snyder. No prior knowledge of Buddhism is required for this seminar. Satisfies the Seminar in Scholarly and Creative Inquiry core requirement.

**REL 120 Communities of Resistance and Liberation** This seminar takes as its focus the issue of justice for communities of persons whose daily reality is marked by the experience of injustice. Since justice is a central concern for Western religious traditions and is especially important in the field of ethics, the course explores the issue of justice and liberation from injustice by looking at the ways in which various groups, communities, or movements have responded to the reality of living in conditions that do not seem to be fair or just. Examples of some communities that may be examined are these: the Deaf Movement; Palestinians and the Infatada; GLBT Movements; Disability Rights Movement; Womanist/Feminist Theology Movements; Latin American Liberation Theology Movements; White Supremacist communities. For each group examined, the class looks at the liberation narratives, strategies, and the challenges raised by those narratives. Finally the class considers these questions: what are our commitments to a just society, and how do we go about building one? Satisfies the Seminar in Scholarly and Creative Inquiry core requirement.

**REL 125 Zen Insights and Oversights** While Zen may be the most popular form of Buddhism outside Asia, it is also probably the most misconstrued. This course explores Zen in its Asian contexts, examining the interplay between Ch’an/Zen and aesthetics, history, and philosophy, as well as the relation between Zen and such modern developments as nationalism and social discrimination. Satisfies the Seminar in Scholarly and Creative Inquiry core requirement.

**STS 144 Darwin in his Time** This course provides an in-depth examination of the historical context in which Darwin’s works on the theory of evolution were produced and received between 1830 and 1870. Through exploring Victorian culture and society, the imperial endeavor, literature and art, politics, and science, students learn about Darwin’s world. This provides a cultural and intellectual background for studying the production and reception of Darwin’s works during a period of enormous shifts in Victorians’ understanding of themselves, their society, and their place in nature. Students develop a strong background in the research questions Darwin set out to solve, a detailed understanding of Darwin’s theory, and an appreciation for the fascinating interplay between culture, society, and science. Satisfies the Seminar in Scholarly and Creative Inquiry core requirement.

**THTR 111 Making Musical Theatre** This course focuses on the role of writer and the director in the process of making musical theatre. Students are exposed to the history of the musical, with special attention to how the greatest librettists and lyricists shape the structure of the musical. Students engage in active scholarly research about the process of making a musical, but attention is also given to creating original musicals. Particular emphasis is placed on developing students’ abilities in making individual aesthetic choices, a key component in the university’s core curriculum mission statement. Satisfies the Seminar in Scholarly and Creative Inquiry core requirement.

## Seminar in Writing and Rhetoric

### Purpose

In each Seminar in Writing and Rhetoric, students encounter the two central aspects of the humanistic tradition of rhetorical education: argumentation and effective oral and written expression. Students in these seminars develop the intellectual habits and language capabilities to construct persuasive arguments and to write and speak effectively for academic and civic purposes.

**AFAM 110 Imaging Blackness: Black Film and Black Identity** The study of film is a key aspect of visual rhetoric, a growing area of academic interest linking film studies and rhetorical theory. This seminar focuses in on the study of popular, visual images as public argument. As such, the course examines the political economy (ownership, production, dissemination), engages in a textual/visual analysis (what does it say, what meanings are embedded), and examines audience reception of black film (how do audiences understand and use these media images). Such examination is to explore how these films function as public argument advocating particular views of black identity while contesting counter arguments as part of a larger agenda of promoting blacks and shaping U.S. public life. Satisfies the Seminar in Writing and Rhetoric core requirement.

**ART 150 Constructions of Identity in the Visual Arts** How does an individual “show” power, status, or place in society? How are societal norms confirmed or denied in artistic works? In this course visual representations of authority, gender, and identity provide a broad basis for the study and practice of the rhetorical arts. Students become familiar with the elements of persuasive writing and oratory, and learn to refine these skills through exercises based on the analysis of primary texts (by authors such as Quintilian and Leonardo Bruni) and secondary literature. By

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analyzing both the rhetorical expression of visual arts and a variety of arguments about visual culture, students develop the ability to clearly articulate their own views, and to logically appraise the arguments of others. Extensive written assignments and oral debates emphasize the thoughtful development and nuanced expression of students' own perspectives and opinions. Although Italian Renaissance works comprises much of the course material, the course also covers artistic constructions of civic and personal identity from ancient Rome to the present. Satisfies the Seminar in Writing and Rhetoric core requirement.

**BIOL 150 Science in the News** This course examines how the media presents science to the public, and it offers extensive practice in communication, both written and oral. Students critically analyze the rhetorical devices used in formal scientific communications and mass media science "stories." The class pays particular attention to how and why the "message" changes as it makes its way from scientific publications to the mass media. Students have the opportunity to apply their analytical and rhetorical skills to a "science in the media" topic of their choosing. Satisfies the Seminar in Writing and Rhetoric core requirement.

**CLSC 120 Persuasion and Power in the Classical World** This course examines the rise of rhetoric in fifth century Athens. As soon as men began to teach ways to speak more effectively, citizens began to fear the pernicious effects on a free society of those who could too easily persuade others. Thus even as rhetoric was first being defined there arose a corresponding fear of rhetoric. By reading some of the first evaluations of rhetoric ever written, students gain a greater understanding of written and oral argumentation. The course also follows the development of speech writing into the Republican period of Rome and looks at the polarizing rhetoric employed by the great Roman orator, Cicero. Students learn not only how to argue more persuasively, but also learn how to avoid the seductions of rhetoric by becoming more aware of how persuasive techniques are deployed against them. Satisfies the Seminar in Writing and Rhetoric core requirement.

**COMM 102 Social Scientific Argumentation** This course considers the nature of social scientific arguments and the standards used to judge "good" social science. Students learn how to read and interpret the literature in social scientific journals, discuss issues related to the philosophy of the social sciences, study basic experimental design, and consider standards of peer review and ethical treatment of human subjects. These issues can be used to explore how social scientific evidence is used to formulate and document public policy arguments. The goal is to encounter two central aspects of the humanistic tradition of rhetorical education: argumentation and effective oral and written expression. Satisfies the Seminar in Writing and Rhetoric core requirement.

**COMM 103 Rhetoric of Adventure** Adventure stories provide thematic backbone to contemporary nation building enterprises as they foreground the acts of heroes in the exploration of new territories; justify the taken-for-granted assumptions of the colonial subject; establish relationships based upon race, gender, and class; and privilege adventurers' epistemologies into the spaces and places entered. Specifically, this course focuses on the processes of *representation* and *narrative* within contemporary mountaineering discourse pertaining to Mount Everest and the Himalayas. The course is broken into two interrelated components. In the first section the class reads and analyzes works about mountaineering from climbers such as Jamling Norgay, Jon Krakauer, and Lene Gammelgaard. In this section, students pose and make arguments for questions such as "what makes a hero" and "what are the ethics of mountaineering?" In the second section, students read those texts as constitutive representations pertaining to nation and empire, race and gender, and colonialism. Over the course of the term, students research a geographical location and time period in process toward a final project. For this project students present writ-



ten and oral arguments regarding the interrelationship between an “ethic of mountaineering” and their selected location, analyze the narratives of that location, and provide context to the roles of adventure narratives within contemporary culture. Satisfies the Seminar in Writing and Rhetoric core requirement.

**COMM 105 The Rhetoric of Race Relations: From Abolition to Civil Rights and Beyond** This seminar is designed to investigate and analyze American political and social discussions of race. Specifically, the seminar focuses on the process of rhetorical advocacy devoted to the topic of Anglo/African-American relationships. Students engage in the critical analysis of message design and construction; this includes attention to issues of argument strategy, message structure, style and language, and the process of locating a message in its historically specific context. Students learn how to analyze, construct, and present messages of advocacy for particular public policies. The seminar is designed to enhance students’ understanding of the range of strategic options and resources available to public advocates, to nurture students’ abilities to analyze and evaluate public discourse, and to give students experience in advocating for or against public policies governing race relations in American culture. Satisfies the Seminar in Writing and Rhetoric core requirement.

**COMM 106 Science and Equality** Although Thomas Jefferson claimed in 1776 that “all men are created equal,” subsequent events in U.S. history demonstrate that achieving equality for all people remains an elusive goal. In particular, public debates regarding the rights and privileges of African-Americans and immigrant groups have been influenced by scientific controversies regarding group differences in intellectual and moral capacity. In this course, the class uses the lens of argumentative analysis to critically examine claims regarding “natural” group differences in ability. In particular, students examine critically the use of statistical reasoning by scientists to both support and challenge claims regarding group differences and explore the implications of this debate for contemporary public policy issues, such as affirmative action, the use of standardized tests in schools, and educational policies. Students prepare and debate presentations on contemporary and historic policy issues as well as research essays on key issues and figures in this historical debate. Students also gain experience in rational deliberation over topics that can elicit strong emotions. Through course assignments each class member examines critically his or her own beliefs about social equality and social justice. Satisfies the Seminar in Writing and Rhetoric core requirement.

**COMM 107 Rhetoric, Film, and National Identity** This course approaches the study of argumentation using popular film as primary source material. Film texts provide the basis for critical examination of public disputation about the politics of public memory and collective identity. The course is concerned with both argument through film and argument about film in other public venues. This course links film and national identity to gender, race, and social class. Some films included in this course have an “R” rating, such as “JFK” and “Born on the 4<sup>th</sup> of July.” Satisfies the Seminar in Writing and Rhetoric core requirement.

**COMM 108 The Rhetoric of Contradiction in Work-Life** This seminar is designed to investigate and analyze rhetoric of contradictions in work-life. In particular it focuses on the paradoxes of the American work life in public discourse, individual narratives, and social science research. Readings and discussions focus on a number of stock issues facing contemporary workers including, but not limited to: race, gender, class, equal opportunity, family and medical leave, work-life balance, and changing structures in work life (ex: surveillance and privacy). Students are required to reflect critically upon taken-for-granted assumptions about workers, the workplace, the nature of organizations, and the place of organizations in society. Students read primary texts, allowing them to learn

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how to critically analyze message design and construction, including attention to issues of argument strategy, message structure, style and language, and the process of locating a message in its historically specific context. Satisfies the Seminar in Writing and Rhetoric core requirement.

**COMM 110 Contemporary Controversies** This course examines the rhetorical dynamics of three distinct forms of public controversy: controversies over factual claims (e.g. does the phenomenon “global warming” exist?), controversies over value claims (e.g. aesthetic or moral evaluations as in “that is a good film” or “that type of behavior is evil”), and controversies over policy claims (e.g. “the United States should invade Iraq”). In the process of examining these controversies, students encounter the two central aspects of the humanistic tradition of rhetorical education: argumentation and effective oral and written expression. Students engage in a variety of activities and exercises and prepare a number of projects designed to develop their fluency in written composition and oral expression and refine their ability to argue in a variety of contexts (e.g. academic, civic). Satisfies the Seminar in Writing and Rhetoric core requirement.

**ECON 102 Controversies in Contemporary Economics** This seminar introduces argumentation through a wide variety of controversial public policy issues and social problems. The class explores how the U.S. economy works and how economic incentives and institutions are related to social problems. For each issue or problem, the class develops a theoretical analysis and evaluation of alternative economic policies. A key aspect of the analysis is evaluating the value judgments inherent in many social policies. Depending (to some degree) on the interests of the students, issues and problems the course addresses include: economic growth, the federal deficit, trade policy, monopoly, poverty and welfare, the minimum wage, environmental degradation, health care provision, the economics of higher education, and the economics of crime. This introduction to argumentation is coupled with developing the student’s skills in oral and written expression. Satisfies the Seminar in Writing and Rhetoric core requirement.

**ENGL 120 Ideas and Arguments on Stage** A seminar in written and oral argument, focusing on themes raised in and by classical and contemporary plays. The plays challenge us to consider questions of freedom, authority, and responsibility in a civil society and about the competing claims of past and future, of art and politics, of the individual, the community, and different groups within the community. Satisfies the Seminar in Writing and Rhetoric core requirement.

**ENGL 122 Seeing Texts and Writing Contexts** This course emphasizes argumentation and the development of oral and written communication skills. It explores the interaction of verbal, visual, oral, and electronic discourses in representative texts from the fields of literature, the visual arts, and popular culture. This class presents rhetorical techniques and analytical and evaluative methodologies appropriate to college-level work in the liberal arts, and it offers intensive practice in writing, revising, and orally presenting arguments. Students write and orally present a series of arguments about the construction and interpretation of visual and verbal iconography and analyze, evaluate, and discuss the narrative techniques and persuasive strategies employed by verbal and visual texts in established literary and artistic traditions. Satisfies the Seminar in Writing and Rhetoric core requirement.

**ENGL 123 Individual Rights and the Common Good** This course focuses on some of the controversies that surround and inform our notions of individual rights and the common good. What freedoms should an individual have? What are the individual’s responsibilities to the family or the community? How do we balance competing needs? The class examines texts that raise issues about these questions and explores these controversies orally and in writing. Students also

receive practice in analysis and revision as they learn to employ extensive feedback and provide it for others. Argument lies at the heart of this course, but the class also considers how to listen carefully and work for cooperation and consensus rather than antagonistic relationships. Satisfies the Seminar in Writing and Rhetoric core requirement.

**ENGL 124 “See What I Mean?”: The Rhetoric of Words and Images** This seminar studies two important, ubiquitous phenomena: argumentation and perception. It aims to develop a greater understanding of how we argue in civic settings and of how we see in literal and figurative ways. What are some different, productive ways to look – and look again – at a text? How can we improve the ways we communicate what we see in texts and arguments? To what extent are arguments based in perception, and to what extent is perception a kind of argument? How can we make convincing arguments – in writing and orally – about what we think about when we see? Such questions help to connect argumentation and seeing. The class studies and applies fundamental concepts of *rhetoric* (including argumentation), and serves to strengthen students’ abilities to write and speak effectively in academic and civic circles. The class studies ways of analyzing texts, speeches, and visual “texts” like films and architecture. These studies include taking positions, gathering evidence, thinking about what the people we communicate with expect from our writing and speaking, anticipating arguments that oppose our own, changing our minds about issues, arranging presentations and essays for best effect, and so on. Satisfies the Seminar in Writing and Rhetoric core requirement.

**ENGL 125 Civic Argument and the Theatre of Democracy** Writing and rhetoric provide students with valuable composition and speaking skills for academic and private life. This course explores the relationship between a vibrant civic theater and politically self-conscious peoples. Some of the artists whose work is read and experienced in the class wrote in climates of political censorship and persecution. Others argue that racism or sexism makes a national theater impossible, for playing to the oppressors is itself a moral capitulation. Each play read invites the class to explore the way that drama can challenge, subvert, support, or critique notions of order, whether of gender, race, class, religion, or politics, being a powerful tool for public argument. Students write three process essays, building written arguments through discussion, prewriting, class presentation, and formal and informal debate. At the end of the semester, students produce a written proposal for oral presentation. Students learn to recognize and employ the elements essential to effective argumentation: concise language and a clear style, logical signposts and transitions, appropriate use of evidence, and attention to logical fallacies. Satisfies the Seminar in Writing and Rhetoric core requirement.

**ENGL 126 Genre Studies in Literature** This course examines the history, cultural contexts, and distinctive stylistic features and thematic preoccupations of a specific literary genre. In the process, it presents rhetorical techniques and analytical and evaluative methodologies appropriate to college-level work in the liberal arts and offers extensive and intensive practice in writing, revising, and orally presenting arguments. Students write and orally present arguments advancing critical claims about texts written in a specific literary genre and examine the genre’s place in and effects upon contemporary culture. Possible areas of inquiry for this course include autobiography, nature writing, the *Bildungsroman*, lyric poetry, or the essay. Satisfies the Seminar in Writing and Rhetoric core requirement.

**ENGL 127 An Opinion about Everything** Not only in the academy, but also in private and professional life, arguing carefully considered opinions is a key characteristic of a vital and well educated person. One of the original meanings of the word argue is “to make clear.” Accordingly,

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this course explores effective and persuasive techniques in precisely making clear in written and oral communications that which you believe. This course focuses on timely issues in contemporary essays and aesthetic issues in creative literature and film. And, yes, students will be expected to have an opinion on everything. Satisfies the Seminar in Writing and Rhetoric core requirement.

**ENGL 128 Shaping the Shadow: Argument and Insight** This course treats written and oral presentations as ways to develop critical thought, rhetorical understanding, and the clear expression of ideas in argumentation. Using a variety of texts, including literary nonfiction, fiction, poetry, film, and/or visual arts, students draft and revise a series of writing and speaking assignments. The primary goal of this seminar is to learn to compose, present, and evaluate arguments, including how to address opposing arguments fairly (pro/con reasoning) and how to deal with logical fallacies, emotional appeals, stereotypes, and other elements of persuasions. With a growing sense of stylistic elegance, the course also explores aspects of argumentation such as appropriate voice and awareness of audience. Satisfies the Seminar in Writing and Rhetoric core requirement.

**ENGL 129 Power and Perception: The Mirror and the Music** This course centers upon the rhetorical dimensions of reading and writing, speaking and listening. The course, at its heart, gives students practice in forming, shaping, and bringing to fruition persuasive, compelling arguments designed to genuinely move an authentic and diverse audience. The course teaches students how to construct arguments that can address a variety of rhetorical contexts; arguments that engage a variety of texts - cultural, visual, written - in a variety of genres and modes, in both written and oral forms. The course involves intensive drafting, polishing, editing, and revision; practice in analysis and evaluation of texts; and practice in shaping effective rhetorical distances between writer/speaker and topic, and writer/speaker and audience. This course also helps students create a public speaking voice that is powerful, persuasive, and responsive to a number of different speaking contexts. Satisfies the Seminar in Writing and Rhetoric core requirement.

**ENGL 130 Print Culture, Literacy, and Argument in American Life** This course explores contemporary debates about the role(s) of literacy, print culture, and argument in American life as a way to introduce students to making oral and written arguments within the kinds of complex controversies they will encounter in their academic work as well as their civic lives. Course requirements include reading assignments, extensive and intensive writing and revision, participation in writing workshop groups, and class debates and presentations. Through the semester, students learn to read and evaluate print and Web sources, how to write essays and speeches that make persuasive arguments by drawing on relevant evidence and considering multiple viewpoints, and how to develop awareness of and control over their own writing processes and speaking styles. Satisfies the Seminar in Writing and Rhetoric core requirement.

**ENGL 131 Three Big Questions** This course focuses on three fundamental questions that nearly every American must confront. The questions are: Where are you from? What do you do? And what do you want? Each of these questions is explored through the reading of appropriate texts, and through intensive practice in written and spoken presentation of arguments and positions concerning these fundamental questions. The course introduces and develops rhetorical, analytical, and evaluative techniques and methodologies appropriate to college-level work throughout a liberal arts curriculum. Satisfies the Seminar in Writing and Rhetoric core requirement.

**ENGL 132 Ecology of the Text** This course provides students with the skills and experience necessary to develop effective written and verbal arguments. Course reading consists of selec-

tions of ecologically-oriented essays, fiction, and poetry, which are examined for their rhetorical approaches and which serve as both subjects and models for an integrated series of writing assignments. Focusing on a semester-long exploration of an ecology/environment of each student's choosing, these assignments include journal writing, a critical essays on a related literary text, a research paper on a relevant ecological issue, a research paper on local history, and a creative response. Twice during the semester, students make oral presentations to the class on an aspect of their chosen environment. Writing assignments are revised through collaborative peer review, and the semester's work culminates in a comprehensive paper, which is submitted along with a portfolio of all student writing, research, and peer evaluation. Satisfies the Seminar in Writing and Rhetoric core requirement.

**ENGL 133 Politics of Space, Public and Private** This course examines the political dimensions of public and private space as it is addressed in historical documents, iconographic imagery, fiction, and nonfiction, focusing particular attention on first learning to “read” space and then turning to readings on Western, suburban, and city spaces. In the process, it presents rhetorical techniques and evaluative methodologies appropriate to college-level work in the liberal arts and offers extensive and intensive practice in the writing, revising, and orally presenting arguments. Students write and orally present arguments advancing critical claims about recent local debates about the public good and private interests utilizing course readings and independent research for support. Satisfies the Seminar in Writing and Rhetoric core requirement.

**ENGL 134 Architectures of Power** This course is designed to develop skills in analysis, evaluation, and argumentation through an exploration of texts from the historical, literary, journalistic, and visual arts. This class acquaints students with and gives them practice in the methodologies of critical reading, analysis, assessment, and argumentation appropriate to college-level work in the liberal arts, and offers intensive experience in the presentation and revision of oral and written argumentation. Students analyze different modes of argumentation – rhetorical, visual, narrative – and discuss and practice a variety of persuasive techniques and strategies suitable to academic work. Satisfies the Seminar in Writing and Rhetoric core requirement.

**ENGL 135 Travel and the Other** Why do we travel? Is it a residue of our itinerant, pre-nomadic past, a desire for leisure and a change of pace, the lure of adventure, or the attraction of meeting new peoples and ways? This course examines the travel writings of men and women to a variety of places, both remote and close at hand, and explores the politics of what is involved in the encounter with the Other. It considers some of the ways writers have used travel and the encounter with the Other learn about the world, to leverage themselves into positions of authority, or to learn about themselves. Drawing on travel writings and theories of travel and tourism, students learn to develop the skills of strong oral and written argumentation. Satisfies the Seminar in Writing and Rhetoric core requirement.

**ENGL 136 Imagining the American West** This course approaches the study of argumentation, using as its source material interdisciplinary perspectives on the American West as an “imagined” space. Topical areas of focus within the course include representations of cowboys, Indians, and sodbusters in dimestore novels and cinematic Westerns; historical and modern debates about water rights and the West as desert or blooming paradise; political arguments about Manifest Destiny and slavery; and contemporary legal perspectives on race, law, and property ownership. Course requirements include composition of written and oral arguments, reading assignments, extensive and intensive writing and revision, and participation in writing workshop groups, and class debates. Satisfies the Seminar in Writing and Rhetoric core requirement.

## Seminar in Writing and Rhetoric

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**ENGL 137 Representing Multiculturalism** As citizens of the 21<sup>st</sup> century, we hear the words “diversity” and “multiculturalism” in the news, at school, and in the workplace. However, not many people are precise about what they mean or what they value when they invoke these terms. This course examines interdisciplinary representations of United States multiculturalism in literature, political essays, and popular culture. The course discusses a range of approaches to multiculturalism, both critical and celebratory. By the end of the course, students arrive at a working definition of multiculturalism, are able to articulate their relationship to this concept, and begin to address the significance of diversity for their college and professional careers. Because the course offers extensive practice in writing, revising, and orally presenting arguments, students develop critical, rhetorical, and analytical skills appropriate to liberal arts college-level work. Satisfies the Seminar in Writing and Rhetoric core requirement.

**EXSC 123 Understanding High Risk Behavior** Setting and achieving goals has defined many adventurers, but oftentimes the romantic meets with the catastrophic. In this course students take a closer look at modern day explorers by critically considering the written and oral work surrounding their feats or attempted feats. By focusing on a specific disaster, the students learn to define community and responsibilities associated with high risk behavior while looking at the situation from many different viewpoints. Students also practice revision and learn to both use and give extensive feedback to written and oral work. Satisfies the Seminar in Writing and Rhetoric core requirement.

**HIST 111 Scholars and Warriors in China and Japan** This introductory text-based course in argumentation and expression examines the individual and society in Chinese and Japanese history with thematic emphases on the bureaucratic style of governance by scholar-officials in late dynastic China and the feudal-warrior style of rule in early modern Japan. An underlying assumption of the course is that these styles continue in contemporary China and Japan and also have influenced greater Asia. Study of the generation of these styles, their impact on the ideas and behavior of individuals, and their modification over time in the interest of “Confucian” socio-political order affords understanding of East Asian life and thought and the separate historical experiences of China and Japan; it also serves as a basis for the cultivation of critical thinking and the use of language to make a point, and a case, in both speaking and writing. Course readings include a range of sources, both primary and secondary, that inform extensive and intensive written assignments, both process and polished, and appropriate oral discourse; some assignments require library research and presentation of work-in-progress. Satisfies the Seminar in Writing and Rhetoric core requirement.

**HON 101 Encountering the Other / Writing the Self** This seminar offers a rich introduction to the challenges of oral and written argumentation. Students use writing as thinking - a way to explore unknown territory (external and internal), a way to generate as well as communicate ideas and knowledge. Learning to create effective arguments, including fair treatment of opposing views, is the major goal of the seminar, and students pay careful attention to drafting, responding, revising, and editing for various purposes and audiences. Writing groups provide concrete feedback for revision and help students to listen carefully. These and other collaborative activities focusing on written and spoken argumentation contribute to a growing awareness of how writers and readers connect over a variety of texts and contexts. Course readings represent divergent points of view, alternative texts that insist upon oppositional readings, upon ethical and intellectual dilemmas, issues that shoot to the core of human existence. As both writers and speakers, students construct persuasive arguments that either contradict or defend given assumptions about culture, history, identity, and the natural world. Satisfies the Seminar in Writing and Rhetoric

core requirement. *Prerequisite: Admission to the Honors Program.*

**HUM 121 Arms and Men: The Rhetoric of Warfare** This course explores the words, actions, thoughts and feelings of the individual amidst the catastrophe of war. The course treats a wide variety of materials from the ancient world to the present, including history, epic, lyric poetry, novels, memoirs, letters, film, and deliberative and commemorative oratory. Students explore the ways in which various rhetorical and narrative treatments of soldiers and of war offer us understandings of the subjective experiences and ethical choices of ordinary and extraordinary people under extreme stress and facing horrendous challenges. The course also intends to consider notions of the individual, the community, and civilization (with all that word implies), against the backdrop of the chaotic action of war and combat. Satisfies the Seminar in Writing and Rhetoric core requirement.

**OT 115 Schizophrenia Debates** How is it that Dr. E. Fuller Torrey is called America's leading psychiatrist and "schizophrenia's most zealous foe" by a *New York Times* correspondent and yet when he gives a keynote address at the National Alliance for the Mentally Ill Conference, people who have recovered from mental illness turn out to picket him and protest his message? How is it that a peasant who goes to a mental hospital in Chandigarh, India and is diagnosed with schizophrenia stands a much higher chance of getting well than someone diagnosed and treated in Rochester or Honolulu? What is this contested disorder called schizophrenia? Is it the sign of a "broken brain," as Nancy Andreasen writes? Or are we wrong about that? What does the evidence say? Should people with schizophrenia be forced to take medication "for their own good" or in the interest of public safety? In this course students learn to articulate a reasoned position in a debate that affects public mental health policy and upon which they may be asked to vote. Satisfies the Seminar in Writing and Rhetoric core requirement.

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## CONNECTIONS

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### Purpose

The purpose of this core area is for students to develop an understanding of the interrelationship of fields of knowledge. The Connections core course is normally taken after completion of all other university core requirements, in the junior or senior year and must be taken at Puget Sound.

**AFAM 355 African American Women in American History** This course examines the distinct historical experience of African American women and explores the importance of race and of gender in the American past. Some of the topics considered include African American women and slavery, free black women in antebellum America, African American women and reform, issues of the family in slavery and freedom, sexuality and reproductive issues, African American women and the world of work, African American women in the struggle for education, and African American women and organized politics. The exploration of values is an important component of the course. Readings emphasize the use of primary sources ranging from slave narratives to contemporary fiction. Satisfies the Connections core requirement.

**AFAM 401 Narratives of Race** This course takes as its central object the idea of race. Race is understood as a social construct that designates relations of structural difference and disparity. How race is treated is a crucial issue in this course. It is in this question of "the how" that the term *narrative* becomes salient. The term *narrative* intentionally focuses attention on the material practices through which we have come to define race as a social construct. This terminology, "narratives of race" spotlights an interest in investigating the historical events and visual and

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verbal images employed in the linking, patterning, sequencing, and relaying our ways of knowing race and its social relations. Implicated in the construction of race is its production and deployment of the moral and intellectual values that our academic disciplines bear. In considering such values as part of the investigation, this course includes careful comparative analyses of the ways in which the disciplinary systems of ontology, epistemology, aesthetics, and politics are used in the making and remaking of the academic and social grammars of race. Thus the analysis necessarily includes an intertextualization of the several academic disciplines engaging the question of race. Satisfies the Connections core requirement.

**ASIA 344 Asia in Motion** This course explores the interactions of Asian peoples – the commodities, social practices, and ideas which they produce – across borders, both political and imagined. The course crosses disciplinary borders, as well, drawing upon divergent materials from the humanities and social sciences in an attempt to do justice to a contemporary context that could be called “Asia in motion.” An underlying thesis holds that, since nineteenth-century colonialism, nations in the “West” and “Asia” participate in a global, dialectical movement in which notions of identity (national, cultural, ethnic, religious, territorial, linguistic) share moments of fluidity and fixity. Satisfies the Connections core requirement.

**CONN 302 Ethics of Responsibility and Difference** This course provides an opportunity for students to examine the contours of an ethical framework of responsibility by exploring contemporary moral and religious narratives about the “other” from a multicultural and interdisciplinary perspective. Students learn to apply various ethical theories to particular issues and dilemmas, such as race-class-gender, violence, sexuality, and issues of “difference.” Satisfies the Connections core requirement.

**CONN 305 The Idea of Archaeology** This course examines how the “idea” of archaeology, notably cognitive archaeology, as a process, an activity, an icon, an outlook, has shaped and been shaped by historical, cultural, political, economic, and social forces. Cognitive archaeology, an archaeology of the mind, seeks two goals: 1) to discern how the ancient mind structured reality; and 2) to determine how contemporary issues shape that quest. Satisfies the Connections core requirement. Offered only in Summer Session.

**CONN 306 The Conflict Between Rhetoric and Philosophy** Beginning with the conflict between Plato and various participants in the Sophistic movement (e.g. Gorgias, Isocrates), advocates of a philosophical approach to the human condition have engaged defenders of a rhetorical model of humanity and society. This course examines key moments in the conflict, which has stretched over two millennia. The course begins by assessing the status of, and the practices associated with, rhetorical and philosophical instruction in ancient Greece. It then traces rhetoric’s role in shaping the traditional liberal arts curriculum and stimulating Renaissance intellectual ferment. Major and minor figures in the rise of philosophical modernity attacked the rhetorical framework popularized during the Renaissance, and the course reviews the critiques developed by Descartes, Kant, as well as Peter Ramus and others. The course concludes by, first, considering Nietzsche’s contributions to both philosophy and rhetoric and then examining a number of prominent contemporary figures (e.g. Burke, Derrida, Habermas, Gadamer, Toulmin) who in different ways have reanimated many of the tensions introduced in ancient Greece. In tracing the history of this conflict, students explore the nature of language and communication, the quest for epistemological and/or axiological foundations, the status of human reason and its relationship to argumentation, and different ways of conceptualizing human identity. Satisfies the Connections core requirement.



**CONN 310 Crime and Punishment** The U.S. criminal justice system has embraced retribution at the expense of other models of justice. Because retributive punishment hurts and sometimes kills, it is wrong, or it needs justifying. What purposes does punishment serve? Are there alternatives to it? This course explores justice as revenge, retribution, reform, and restoration from the disciplinary perspectives of sociology, psychology, critical theory, religion, and philosophy. The course also explores the effects of crime on victims, while also seeking to understand violent offenders' moral blameworthiness. Particular attention is given to Christian, Jewish, and philosophical arguments for and against the death penalty. Satisfies the Connections core requirement.

**CONN 312 Biological Determinism and Human Freedom: Issues in Science and Religion** This course is an interdisciplinary investigation of some of the profound issues raised by science and religious ethics. Students explore the intersection between theology, bioethics, and biological science, and consider the implications inherent in the uses of science. The question of human freedom and responsibility enters the discussion at each level of investigation as students consider how science and human freedom influence some of our most deeply-held theological assumptions. Satisfies the Connections core requirement.

**CONN 315 Democracy, Ancient and Modern** This course explores two very different fields: ancient history and political theory. The object of investigation is classical Greek and modern American democracy and the relationship between them. The Athenian experiment in democracy stimulated the development of the Western tradition of political theorizing and encouraged a new conception of justice that has striking parallels to contemporary theories of rights. But Athenians never embraced the notions of inherency and inalienability that have placed the concept of rights at the center of modern political thought, and thus may appear as at once strangely familiar and desperately foreign. The issues and tensions examined in the course are basic to both history and political theory: individual and state, freedom and equality, inclusion and exclusion, rights and responsibilities, law and popular sovereignty, cultural ideals and social practice, and the contradictions between the ideals of the people have in the power and the reality of the systems in which people live. *Prerequisite: one class in either Classics or Politics and Government.* Satisfies the Connections Core requirement.

**CONN 320 Health and Medicine** Drawing from the biological, behavioral, and social sciences, as well as ethics and public policy, this course provides the opportunity to explore intrinsic and extrinsic factors that contribute to and detract from health and human performance. By applying concepts and critical thinking processes developed in this course to personal lifestyle and political decisions, students are prepared to make more informed choices on emerging personal and policy issues related to health. The course emphasizes holistic approaches to understanding and preventing disease. Both allopathic and alternative interventions are explored. Major topics include defining health; therapeutic options including allopathic, complementary (e.g., homeopathy, Chinese medicine, etc.), and more experimental approaches (e.g., gene therapy); the central, somatic, and autonomic nervous systems; psychobiology; stress and stress management methods; approaches to prevention and treatment of conditions such as cancer and AIDS; issues in public policy and financing of mainstream and alternative healing approaches; ethical dilemmas such as informed consent, confidentiality, compliance, health care directives, allocation of resources, euthanasia, dying, grieving, and hospice. Satisfies the Connections core requirement.

**CONN 340 Gender and Communication** Using gender as the primary focus, this course engages students in critical analysis of the ways in which symbol systems in their cultural contexts function to create subjective spaces (e.g. assign specific roles) for particular groups of people.

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Students learn how communication practices shape the ways gender is viewed, how these practices constrain or promote resistance, and how individuals and groups negotiate their subjective spaces and “genderized” practices. Students study the role of imagery and language in constructing gendered identities, the social construction of culturally defined categories such as masculinity and femininity, the gendered body, and contemporary trends of theories on gender to examine gender across race, class, nation, and empire. Additionally, students make connections between their everyday lives, their specific disciplinary backgrounds, and the course materials. Satisfies the Connections core requirement.

**CONN 348 Strange Realities: Physics in the Twentieth Century** In the early Twentieth Century, new experimental evidence encouraged physicists to abandon a consistent and nearly complete description of nature. They replaced common sense notions about the physical world with strange realities based on the new theories of relativity and quantum mechanics. As the physicists’ new explanations of nature grew increasingly counter-intuitive, it became harder for non-physicists to understand precisely what physicists were doing. Without using higher mathematics, this course explores quantum mechanics and relativity as they describe the nature of matter and energy and the structure of space and time. It also addresses how physicists struggled to understand the philosophical implications of the new physical theories, how they worked to express their strange descriptions of nature to both public and professional audiences, and how they maintained public support for their increasingly expensive explorations of nature. Satisfies the Connections core requirement.

**CONN 350 Perspectives on Food and Culture** Food is, of course, essential to life, but what kind of food? How much? From where? Prepared by whom? Eaten when? In this course, students develop consciousness of the roles of food in lives and cultures by exploring connections and contrasts between various disciplines and disciplinary methodologies with respect to the study of food. This course examines food from several perspectives, from its nutritional elements, to the economics of how it has been produced, to the ways in which the acquisition and distribution of food has affected world history, to the role of food in celebrating cultural events and in literally and figuratively sustaining culture, to sociological distinctions implied by who prepares and eats what particular foods, to the “foodways” of our everyday lives. Satisfies the Connections core requirement.

**CONN 351 Everything Causes Cancer—Statistical Arguments for Causation** How do we know when a claim that something “causes cancer” is true? Using statistical causation, we can assign causes when we observe regularities, even if the nature of the underlying mechanisms is unknown. This course integrates the disciplines of epidemiology, statistics, biology, and the philosophy of science to address the mechanisms, strengths, and weaknesses of statistical causation as it pertains to cancer. *Prerequisites: Natural Scientific Approaches core and Mathematical Approaches core.* Satisfies the Connections core requirement.

**CONN 355 Early Modern French Theater and Contemporary American Culture** This course explores cultural crises as depicted through theatre. Discussions revolve around the effects of the Quarrel of the Ancients and the Moderns that influenced theatrical production in early modern France and how this debate informs the depiction of cultural crises in late twentieth-century American theatre. Satisfies the Connections core requirement.

**CONN 369 Power, Gender, and Divinity: the Construction of Goddesses** This course compares goddesses as representatives of a culture’s values toward power from various disciplinary

approaches including religion, history, and anthropology. By examining the roles of goddesses within the realm of political and religious powers from cross-cultural perspectives in diverse historical periods, students understand how a culture values religious and political powers; its attitudes towards power and sovereignty; and how issues of power, gender, and divinity are inter-related. These comparisons of power help students reflect on their own constructions of religious and political power and their attitudes towards them. Satisfies the Connections core requirement.

**CONN 375 The Harlem Renaissance** This course examines the renaissance of African American literature, music, and visual art that, for the most part, emerges from Harlem, a cultural hub in the 1920s and 1930s. The course also approaches the literature, music, and visual art, as well as the social changes in Harlem, from different disciplinary perspectives, including literary criticism, cultural history, music criticism, art criticism, and aesthetic theory. Students explore social and aesthetic debates that arose during the Harlem Renaissance and connect these to parallel debates today. Students also make connections between and among different artists and thinkers of the period, including Langston Hughes, W.E.B. Du Bois, Zora Neale Hurston, Duke Ellington, Louis Armstrong, Jean Toomer, Jessie Redmon Fauset, Wallace Thurman, Claude McKay, Sargent Johnson, Romare Bearden, Cab Calloway, Bessie Smith, and Walter White. The course invites students to make connections between literature, visual art, and music from the period and between the Harlem Renaissance and their own ideas about art and society. *Prerequisite: Junior or Senior standing.* Satisfies the Connections core requirement.

**CONN 379 Postcolonial Literature and Theory** This course examines the literature produced by and about Britain's colonial spaces during the process of decolonization, from the late nineteenth-century to the present. It explores texts from Ireland, India, the Sudan, and Trinidad, as well as other former colonies and territories. Authors studied include Joseph Conrad, James Joyce, Tayeb Salih, Sam Selvon, Buchi Emecheta, Salman Rushdie, and Zadie Smith; theorists considered include Gayatri Spivak, Aijiz Ahmad, Homi Bhabha, John Boli, Benjamin Barber, and Lourdes Beneria. This course understands the term *postcolonial* in its broadest sense, with its focus spanning texts written under colonialism that argue for decolonization to texts that address such properly postcolonial issues as neocolonialism and globalization. The study of fiction and postcolonial theory is complemented by readings drawing from political theory, sociology, gender studies, and economics. Course requirements include active participation, discussion leadership, a conference-style presentation, two short essays, and a final project. *Prerequisite: Junior or Senior standing.* Satisfies the Connections core requirement.

**CONN 380 Religion and Architecture: From Cosmos to Cosmopolitanism** Through architecture and the traditional cosmologies of Southeast Asia, the course examines the historical and cultural connections between architecture and religion in Malaysia. The class investigates the symbolism of sacred space found in Islamic, Hindu, and Buddhist sources, and explores the role of architecture as a mediator between the gross and the fine, the body and the soul, the many and the one. Particular emphasis is placed on the impacts of Modernism and the conditions of modernity to the role of architecture. Satisfies the Connections core requirement.

**CONN 381 Environmental Law** This class examines substantive domestic and international environmental law and natural resource law to better understand how those laws relate to businesses in the United States and internationally. Students also consider more general issues related to environmental and natural resource legislation and regulation. These issues include the tension between business and the environment, the concept of sustainability, the appropriate goals of environmental regulation, the problems of monitoring and enforcement, and the roles of science

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and risk assessment, including valuation of environmental injuries and environmental benefits. Studies of environmental legal history and environmental ethics are interwoven throughout the course. Students use case method studies, statutes, and legal cases to explore these concepts in contemporary situations. Satisfies the Connections core requirement.

**CONN 390 Black Business Leadership: Past and Present** Students in this cross-disciplinary course develop an understanding of both the historical and contemporary experiences of African-American business leaders in the United States. Black business leaders herein are defined as either entrepreneurs or as managers and executives working within for-profit enterprises. Students draw connections and contrasts between critical issues and decisions facing black business leaders past and present by analyzing the influence of racism and prejudice on the evolution of American black capitalism. Among the broader topics are black business intellectualism, business-government relations, gender and black enterprise, and celebrity-athlete entrepreneurship. *Prerequisite: Junior or Senior standing.* Satisfies the Connections core requirement.

**CONN 415 Education and the Changing Workforce** This course examines the relationship between the evolving nature of work in the U.S. over the last 50 years and concurrent developments in educational policies. The relationship between work and public education is complex. It is one thing to argue for an education agenda that emphasizes “higher cognitive outcomes” for everyone based on current and future trends in the nature of work in the U.S. Yet it may be too much to expect that even a highly successful education system alone can shape and sustain an economy. This course addresses how technology and globalization place new demands on work in advanced economies as well as how these new demands translate into dramatic proposals for changing the nature of public school education in the U.S. and selected Asian countries. A final theme in the course considers the issues of poverty and diversity by examining the children of highly mobile, generally low wage workers and the way they affect public education. Satisfies the Connections core requirement.

**CONN 448 Work and Well-being: Stress and Health in the Workplace** This class analyzes the concept of stress from multiple perspectives and disciplines in order to better understand how stress affects work performance and well-being. A special focus of this course is on the primary sources and outcomes of work stress, and practices that organizations have implemented to address workplace stress. “Work and Well-being” includes the field of occupational health and stress, which is informed by several disciplines including management, occupational therapy, psychology, sociology, physiology, exercise science, and medicine. This course integrates theory with practice, providing specific techniques for managing stress, such as time management, job design, cognitive and imagery techniques, muscle relaxation, nutrition, and exercise. *Prerequisite: Junior or Senior class standing.* Satisfies the Connections core requirement.

**CONN 480 Informed Seeing** Seeing (in contrast to mere “looking”) involves a learned propensity to notice (or ignore) particular aspects of what is perceived through the lenses of one’s culturally filtered perspectives. Whether these perspectives are “scientific” (involving deliberate doubt and systematic inquiry), “aesthetic” (involving the enjoyment of artfully crafted illusion), or “commonsensical” (involving enormously complicated but unquestioned assumptions about the nature of “reality”), the process of “seeing” (in this more-than-visual sense) can be constantly refined, yielding even more depth of experience. In relation to these ideas, this course explores some of the similarities and differences in the way the world is seen through the perspectives of artists and art educators, cultural anthropologists, photographers, environmentalists, science fiction writers, and filmmakers. These ways of “informed seeing” are applied to selected problems

and philosophical questions involving “beauty,” “disruption of meaning,” and “choice.” While there are no prerequisites, students with some previous background in art, literature, anthropology, sociology, and/or environmental studies would be especially well prepared for this course. Satisfies the Connections core requirement.

**ENVR 322 Water Policy** This course focuses on the management of water resources. More specifically, it addresses the tensions and interactions between hydrological principles, economics, and politics during water management decision making processes. This course challenges students to develop an understanding of the interrelationship between different disciplinary fields of knowledge, including those in the physical and social sciences. Students learn about a wide variety of natural processes that determine the distribution and quality of the world’s freshwater resources. Students also learn about the many ways that freshwater resources are affected by human activities at a global, national, and local scale. Satisfies the Connections core requirement.

**ENVR 325 Geological and Environmental Catastrophes** This course is a survey of natural and human-influenced geological “catastrophes,” and focuses primarily on four hazards that are relevant to the Puget Sound region: (1) volcanic eruptions, (2) earthquakes, (3) floods, (4) landslides. It examines the relationship of science and other fields, including economics and politics, in the development of policy to help us cope with potential catastrophes. The course reviews some of the scientific literature bearing on each disaster, discusses points of controversy with the scientific community, and considers ways in which our society - primarily government - uses this information to develop hazard mitigation strategies and regulations. Each unit concludes with analysis and discussion of one or more case studies. Satisfies the Connections core requirement.

**ENVR 335 Thinking About Biodiversity** The preservation of biodiversity - of the variety of living organisms here on Earth - has recently become a major focus of scientific and environmental concern and policy. This course draws on perspectives from history, ethics, environmental studies, and conservation biology to explore the ways in which ideas and values have shaped scientific approaches to biodiversity and to the current biodiversity crisis. Satisfies the Connections core requirement.

**HON 401 Some Classics of Asian Civilization** This course explores the classic literature of Islam, India, China, and Japan, and investigates the content of those works of literature, religion, philosophy, and art from the disciplinary standpoints of modern psychology, anthropology, history, and sociology. The course explores the cultural assumptions in each work that make it a “classic” and interrogates each work from the standpoint of the concept of “self,” “community,” and “the other.” Open to Honors Program students only. *Prerequisites:* HON 211, 212, 213, 214. Satisfies the Connections core requirement.

**HUM 306 Cultural Identity in Japan and the United States** This course examines Japanese and American cultural identity, focusing on how “cultural identity” takes shape, makes adjustments over time, and manifests itself in literature, film, social interaction, and political form in the traditions of Japan and the United States. Through analysis of moral, aesthetic, and intellectual values – as well as issues of race and gender – the course considers key elements in being Japanese and being American. Readings include works of literature and autobiography, essays, and secondary sources in history and the social sciences. Satisfies the Connections core requirement.

**HUM 307 Shanghai and Tokyo in the 1920s** This course explores Shanghai, China, and Tokyo, Japan, with reference to changing values and institutions in the 1920s, a time of experimentation with novel cultural forms in these cities as informed by developments the world over. Readings

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in literary and secondary sources, class discussions, and written work aim at understanding these cities as cultural spaces synonymous with “the modern” in their respective national settings, rising out of different traditions, and the human experience of searching for meaning in changing times. Satisfies the Connections core requirement.

**HUM 309A Nationalism: British and German Nationalism in the Age of Industrialization and Empire, 1700-1919** This course examines the development of British and German nationalism from the perspective of history and literary studies. The course also makes use of the visual arts, film, and song. Students in their papers and exams are asked to draw upon their knowledge of these interdisciplinary materials. By comparing and contrasting the forms that liberalism, conservatism, and socialism took in England and Germany, students become acquainted with a wide range of political and sociopolitical visions of freedom and authority that still inform national conflicts today. Satisfies the Connections core requirement.

**HUM 310 Imperialism and Culture: the British Experience** An exploration of break-up of the British colonial empire of the 18<sup>th</sup> and 19<sup>th</sup> century as reflected in literature and history. Emphasis is placed upon the idea of imperialism, the role of culture in imperial expansion, the conception of national character, and the process of decolonization. The readings trace the theory of empire in the metropole and its practice in the colony in both literary and historical works. The course is organized around the interaction of two disciplines: history and literature, emphasizing the ways in which two discourses treat the past. History not only provides an account of the past and therefore a context for literary works, but also incorporates aspects of literary language and method; conversely, literary texts that focus on the past attempt to capture a reality of historical experience. By reading selections from each discipline students are able to gauge how two distinct but related disciplines reflect upon the culture of a particular epoch. Particular attention is given to the British experience in India. Satisfies the Connections core requirement.

**HUM 315 Drama, Film, and the Musical Stage** This interdisciplinary humanities course (theater, music, film) explores the artistic and cultural meanings of selected dramatic works and their treatment in film from Sophocles to Shaw and the ways librettists, composers, and directors have adapted plays to the musical stage and film from Mozart to Bernstein. The course examines not only what has been adapted, discarded, and transformed in musical stage and film versions of dramatic works, but also why particular changes in structure, emphasis, and interpretation were thought necessary and desirable. Students also explore the evolving cultural and aesthetic values from one era to another as they discover what musical stage and film adaptations of plays can reveal about the present as well as the past. Satisfies the Connections core requirement.

**HUM 330 Tao and Landscape Art** Taoism is one of the most influential beliefs in East Asia, and is perfectly embodied in landscape art. As a significant visual tradition in the world, this landscape art reveals the complicated relationships between man and self, man and man, man and society, and, above all, man and nature. From an interdisciplinary perspective the course examines the richness of this cultural heritage. The achievements of Taoist landscape art in China, Korea, and Japan are approached through slide lectures, museum visits, creative work sessions, writing assignments, group discussion, and class presentation of research project. The emphasis is placed on students' comprehension of Taoism and appreciation of landscape art and their capacity to explore the intricate relationships between art and religion. Satisfies the Connections core requirement.

**IPE 377 Revolutionary Ideas in Political Economy** The course focuses on the interaction of the ideas of economists and political philosophers. It tracks through interdisciplinary approach and critical analysis the modern world, the remarkable history of the idea of capitalism, of democracy, and socialism in Western thought. To achieve a comprehensive understanding of these political systems and their respective economies requires a perspective beyond those characteristic of modern economists. The course therefore is anchored, thematically and theoretically, to the formative ideas of Nietzsche, John Stuart Mill, Max Weber, Joseph Schumpeter, Hannah Arendt, and Georg Lukacs. They encompass various disciplines: philosophy, political theory, sociology, and humanism. The evolution of their ideas and theories into a reevaluation of all values constitutes nothing less than the construction of the intellectual architecture of much of modern life. *Prerequisite: IPE 201.* Satisfies the Connections core requirement.

**IPE 427 Competing Perspectives on the Material World** Many sociologists have joined economists in the study of that entity we call the economy. Apart from this interest, however, the two groups share very little in common. The disagreements include the importance of rationality and selfishness, the proper methodologies, the nature of explanation, and even the definition of the field of study. This course surveys the different ways in which economists and sociologists approach the material world and the key debates between them. Satisfies the Connections core requirement.

**STS 314 Cosmological Thought** Cosmology is the attempt to understand what the whole universe is, how the universe came into being, and what forms or structures organize it. Cosmology had its origins in myth, but soon incorporated elements of astronomy, physics, and philosophy. This course is a study of cosmological thought in its historical and cultural context, from the cosmologies of the ancient and medieval worlds to twentieth-century cosmology. Throughout, the course stresses not only the scientific content of the various cosmologies that have contended for primacy, but also their historical origins and their philosophical implications. Satisfies the Connections core requirement.

**STS 318 Science and Gender** This course explores biological, psychological, and cultural perspectives on the construction of gender. It primarily considers social and biological factors that have been proposed to influence sex differences, gender roles, gender identity, and sexual orientation. Students critically examine various biological and experiential factors that mediate the development of sex and gender differences, and they consider how sex differences, gender roles, and sexual orientation might evolve through natural and sexual selection. Whenever possible, students discuss policy and ethical implications of scientific research on gender and sexuality. Satisfies the Connections core requirement.

**STS 330 The Idea of Evolution** This course provides one of the central frameworks of modern biology, explaining observations, guiding research, and generating new questions. It examines the idea of evolution through studying the history of evolutionary theories. A strong emphasis is placed on developing a sophisticated understanding of the scientific issues and research traditions involved in both the generation and reception of ideas of evolution since the eighteenth century. Guiding questions for the course include: Why and how have particular theories of evolution been developed? What research problems have been at issue in scientific discussion of evolution? The course also examines how and why various religious, political, and cultural factors influenced the production and reception of ideas of evolution. Satisfies the Connections core requirement.

**STS 340 Finding Order in Nature** Our knowledge of nature is just that: “our knowledge.” The activity we call “science” is created and pursued by humans in historical time. It certainly reflects

## Connections

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the natural world, and is limited by what there is for us to see (or detect where we cannot see). But science also reflects human preoccupations, and is shaped powerfully by what we *want* to see and to know. This leads us to an interesting question: what and how much of science is “out there” and what and how much is “made up”? That is the subject of this course: looking at the “out there” and the “made up” in physics, biology, geology, natural history, and in that branch of mathematical investigation called “complexity theory.” Satisfies the Connections core requirement.

**STS 341 Modeling the Earth’s Climate** One of the most interesting, difficult, and important problems in science is the prediction of the weather. Our ability to predict the weather depends on our understanding of the elements that produce it: global atmospheric circulation, sunshine, wind, cloud cover, sea ice, precipitation, and many other variables. Taken together, these make up the earth’s climate. For more than a hundred years scientists have worked to build models - systems of equations, lines of computer code - that express the relationship of these variables, as a basis for weather forecasting. This course studies the physical basis of climate, the history of attempts to understand it, climate models and how they work, the potential of such models to help us make policy decisions, and the limits, as we now see them, on our ability to predict the future. Satisfies the Connections core requirement.

**STS 345 Physics in the Modern World: Copenhagen to Manhattan** This course examines the mutual interactions between physics and other forms of culture in the modern world, centering on the development of relativity and quantum theory. These great ideas of modern physics are examined critically in light of the effects they have produced in the world at large, with particular attention to the building of the atomic bomb. A number of scientific, cultural, political, and philosophical themes leading up to the conception and building of the atomic bomb are considered. Satisfies the Connections core requirement.

**STS 350 Computational Intelligence: An Introduction to Cognitive Science** This course introduces students to cognitive science by examining the integration of artificial intelligence, cognitive psychology, and the philosophy of mind and language in the development of a computational model for cognition. Issues addressed include symbolic and connectionist artificial intelligence, the nature of mental representation, problem solving, computational theory, and natural language processing. *Prerequisite: Math 111 or equivalent. Recommended preparation: Some experience in programming.* Satisfies the Connections core requirement.

**STS 352 Memory in a Social Context** This class provides an intensive introduction to the scientific study of memory, and then examines the application of this science to four important social contexts. These include the social implications of age-related changes in memory, the role of memory in between-individual and between-group relations, the role of memory in the courtroom, and the role of memory in advertising and marketing. Satisfies the Connections core requirement.

**STS 360 Astrobiology: The Search for Life on Other Planets and for Life’s Origins on Earth** The search for the Origins of Life on Earth employs approaches and data from physics, chemistry, biology, and geology. The course aims to develop an understanding of this absorbing problem and its possible solutions, but also of the interactions of different disciplines trying to explore the world of self-organization and emergent complexity. This search, under the name Astrobiology, now also shapes and drives the search for life on Mars, Europa, and the extra-solar planets. and also seeks to understand the politics and funding of such high-profile research, incorporating all the above disciplines and Astronomy. Previous work in Biology and Chemistry (at high school or college level) is recommended. Satisfies the Connections core requirement.



**STS 361 Mars Exploration** A survey of the history, science, and technology of Mars exploration. Topics include the discovery of Mars by ancient civilizations, the first telescopic observations of Mars, the economics and politics of the U.S. and Russian Mars exploration programs, spacecraft design and the technologies needed for planetary exploration, and the future of Mars exploration including a possible manned mission to Mars. The scientific component of this course focuses on the planetary evolution of Mars and the question of whether life might have arisen on Mars. The class also takes a brief look at Mars in popular culture including literature, radio, and film. Satisfies the Connections core requirement.

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## FORMER CORE CURRICULUM

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### Core Curriculum in effect prior to Fall 2003

Each candidate for the first baccalaureate degree, *who matriculated as a Freshman prior to Fall 2003 or matriculated as a transfer student prior to Summer 2004* shall have completed the following core curriculum.

#### First Year

Communication I .....	1 unit
Communication II	
A. Oral Communication.....	1 unit
or .....	or
B. Foreign Language.....	2 units
Mathematical Reasoning .....	1 unit

#### First or Second Year

Natural World.....	2 units
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#### Second Year

International Studies.....	1 unit
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#### Third Year

Science in Context.....	1 unit
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#### Fourth Year

Comparative Values .....	1 unit
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#### To be taken at any time

Fine Arts.....	1 unit
Historical Perspective .....	1 unit
Humanistic Perspective .....	1 unit
Society .....	1 unit

<b>Total .....</b>	<b>12 (or 13</b>
	<b>if Foreign Language)</b>

## Former Core Curriculum

The following chart lists the courses that fulfill each core category in the 2006-2007 academic year.

<p><b>Communication II</b> Option A (one unit) A course in the development and practice of expressing ideas in various forms of public address</p> <p style="text-align: center;">OR</p> <p>Option B (two units) Two courses of the same modern foreign language which are taught in the target language, or two semesters of the same classical language.</p>	<p>To be taken during the first year.</p>	<p>COMM 101, 204</p> <p>CHIN 101/102, 201/202, 250, 301; FREN 101/102, 201 /202, 230, 240, 250, 260, 301, 311, 402, 403, 404, 480; GERM 101/102, 201/202, 230, 250, 301, 311, 402, 403, 404, 480; GRK 101/102; JAPN 101/102, 201/202, 301/302; LAT 101/102; SPAN 101/102, 201/202, 230, 240, 250, 255, 260, 301, 311, 321, 402, 403, 404, 410, 480</p>
<p><b>Mathematical Reasoning</b> (one unit) A course to develop an understanding of mathematics and of quantitative reasoning, logical reasoning, or the algorithmic method.</p>	<p>To be taken during the first year.</p>	<p>CSCI 161, 261 HON 213 MATH 103, 150, 160, 170, 180, 181, 260, 280, 290 PHIL 224, 273</p>
<p><b>Natural World</b> (two units) Courses to develop an understanding of the natural world and the impact of scientific technology upon humans, involving regular use of laboratory or field work.</p>	<p>To be taken during the first two years.</p>	<p>BIOL 101, 111, 112 CHEM 110, 111, 230, 250, 251 ENVR 105 GEOL 101, 102, 104, 105, 110 HON 212 PHYS 105, 107, 109, 111, 112, 121, 122, 205, 221, 222, 299</p>
<p><b>International Studies</b> (one unit) A course to develop an understanding of the functioning of international economic, social, and political systems.</p>	<p>To be taken during the second year.</p>	<p>BUS 270 HIST 283 IPE 201 PG 102, 103, 341</p>

<p><b>Science in Context</b> (one unit) A course portraying the interrelationships among scientific disciplines, and giving context to scientific knowledge by relating it to other forms of understanding. Students are required to have completed the Natural World core requirements before enrolling in a Science in Context core course.</p>	<p>To be taken the third year. Must be taken at Puget Sound.</p>	<p>ENVR 322, 325, 328, 333, 335, 340 CONN 305, 312, 320, 348, 351 STS 314, 318, 330, 340, 341, 345, 350, 352, 360, 361</p>
<p><b>Comparative Values</b> (one unit) A course to develop an understanding of the process of making value judgments and the traditions which condition such judgments.</p>	<p>To be taken after completion of all other university core requirements, preferably in the senior year. Must be taken at Puget Sound.</p>	<p>AFAM 401 BUS 407 CLSC 302, 305 CONN 302, 310, 340, 355, 369, 375, 480 EDUC 418 ENGL 377 FL 380, 381, 383, 387, 393 HIST 340, 348, 350, 355, 369, 375 HON 401 HUM 301, 302, 304, 305, 306, 307 PG 342, 344 PHIL 382, 386, 388, 390 REL 301, 341 SPAN 401</p>
<p><b>Fine Arts</b> (one unit) A course to develop an understanding of artistic expression.</p>	<p>To be taken at any time during the undergraduate years.</p>	<p>ART 275, 276, 278, 302 ENGL 220, 244, 267 FL 200 HON 206 MUS 100, 220, 221, 222, 230, 274, 275, 276 THTR 270, 271, 275</p>
<p><b>Historical Perspective</b> (one unit) A course to develop understanding of the historical process and the relationship of the present to the past.</p>	<p>To be taken at any time during the undergraduate years.</p>	<p>ASIA 144 CLSC 211, 212 CSOC 215 HIST 101, 102, 152, 153, 230, 231, 245, 247, 254, 280, 281 HUM 201 REL 200, 253, 365 STS 201, 202</p>

## Former Core Curriculum

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<p><b>Humanistic Perspective</b> (one unit) A course to develop an understanding of human existence as perceived by major thinkers.</p>	<p>To be taken at any time during the undergraduate years.</p>	<p>AFAM 101 ASIA 350 CLSC 210, 222, 225, 230, 231 COMM 291 CSOC 200 ENGL 205, 226, 230, 236, 239, 255 FL 220, 305, 320 HIST 371 HON 211 HUM 206, 208, 210 PHIL 101, 215, 252 REL 101, 102, 108, 210, 234, 265, 290</p>
<p><b>Society</b> (one unit) A course to develop an understanding of cultural, social, economic, or political systems through the use of analytical tools.</p>	<p>To be taken at any time during the undergraduate years.</p>	<p>COMM 252 CSOC 103, 204, 212, 230, 316 ECON 170 EDUC 419 HON 214 IPE 250 PG 101, 104 PSYC 281 REL 112</p>

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## DEGREE REQUIREMENTS

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### Degrees Offered

#### Bachelor of Arts with a Major in

Art  
Business  
Chemistry  
Classics  
Communication Studies  
Comparative Sociology  
Economics  
English  
Foreign Language (French, German,  
Spanish, and Foreign Language/  
International Affairs)  
History  
International Political Economy  
Music  
Philosophy  
Physics  
Politics and Government  
Psychology  
Religion  
Science, Technology, and Society  
Special Interdisciplinary Major  
Theatre Arts

#### Bachelor of Science with a Major in

Biology  
Biochemistry  
Chemistry  
Computer Science  
Computer Science / Business  
Economics  
Exercise Science  
Geology  
Mathematics  
Molecular and Cellular Biology  
Natural Science  
Physics  
Special Interdisciplinary Major

#### Bachelor of Music

Elective Studies in Business  
Music Education  
Performance

#### Minors Offered

African American Studies  
Art  
Biology  
Business  
Chemistry  
Classics  
Communication Studies  
Comparative Sociology  
Computer Science  
Economics  
English  
Environmental Studies  
Exercise Science  
Foreign Language (Chinese, French,  
German, Japanese, Spanish)  
Gender Studies  
Geology  
History  
Latin American Studies  
Mathematics  
Music  
Philosophy  
Physics  
Politics and Government  
Religion  
Science, Technology, and Society  
Theatre Arts

#### Interdisciplinary Emphasis in

Asian Studies

*Note:* Students interested in graduate degree programs in Education, Occupational Therapy, or Physical Therapy should write the Director of Admission, University of Puget Sound, 1500 N. Warner St., Tacoma, WA 98416.

# Degree Requirements

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## Degree Requirements

### General

In order to receive the baccalaureate degree from the University of Puget Sound, a student must have

- A. Completed a minimum of 32 units. The 32 units may include up to 1.5 units of activity courses, up to 4 units of independent study, and up to four academic courses graded on the pass/fail system;
- B. Earned a minimum of 16 units, including the last 8, in residence at the university; residence requirements also exist in core, majors, minors, and graduation honors;
- C. Maintained a minimum grade-point average (GPA) of 2.0 for all courses taken at Puget Sound;
- D. Maintained a minimum GPA of 2.0 for all graded and all Puget Sound courses in the major(s) and the minor(s), if a minor is elected;
- E. Maintained a minimum GPA of 2.0 for all graded courses, including transfer courses;
- F. Met university core requirements (Courses taken pass/fail will not fulfill university core requirements);
- G. Satisfied the Foreign Language Graduation Requirement by at least one of the following:
  - 1. Successfully completing two semesters of a foreign language at the 101-102 college level, or one semester of a foreign language at the 200 level or above (Courses taken pass/fail will not fulfill the Foreign Language Graduation Requirement.);
  - 2. Passing a UPS-approved foreign language proficiency exam at the third-year high school or first-year college level;
  - 3. Receiving a score of 4 or 5 on an Advanced Placement foreign language exam or a score of 5, 6, or 7 on an International Baccalaureate Higher Level foreign language exam.
- H. Earned at least three academic units outside the first major at the upper division level, which is understood to be 300 or 400 level courses or 200 level courses with at least two prerequisites;
- I. Met requirements in an academic major; (Courses counting toward the major may not be taken pass/fail unless they are mandatory pass/fail courses.)
- J. Completed all incomplete or in-progress grades;
- K. Filed an application for graduation with the Office of the Registrar. Applications are due in September for graduation in the following May, August, or December.

All degree requirements must be completed prior to the awarding of the degree. Degrees are awarded on three degree dates each year in May, August, and December.

Each student is subject to (a) degree requirements published in the *Bulletin* at the time of graduation, or (b) to degree requirements applicable at the time of matriculation, or (c) to degree requirements listed in any *Bulletin* published between the student's matriculation and graduation, provided that no more than six years separate matriculation and graduation. **Students should be aware that specific courses applicable to the core will fulfill the core requirements only during the semester(s) that they are officially listed in a *Bulletin* or class schedule.**

Courses which were listed as satisfying core or department requirements at the time of matriculation may be altered or removed from the curriculum before a student reaches graduation. In the case of department requirements, a student must plan alternate courses with the advisor.

Students applying transfer credit to their degree requirements must complete at least the following minimum core requirements at the University of Puget Sound.

- 1) Students entering with freshman or sophomore standing must complete at least a course in Connections plus three additional core areas.

- 2) Students entering with junior standing must complete at least a course in Connections plus two additional core areas.

### **Graduation with Honors**

University Honors (Cum Laude, Magna Cum Laude, Summa Cum Laude) are awarded to those baccalaureate degree candidates who have exhibited academic excellence and breadth of scholarship. To qualify, a student must have at least 16 graded units in residence at the University of Puget Sound, no fewer than 28 total graded units, and a minimum cumulative grade-point average of 3.70 at Puget Sound.

### **Graduation with Honors in the Major**

Honors in the Major are awarded to those first baccalaureate degree candidates who have been recommended by their department in recognition of outstanding achievement in the major. No more than ten percent of a department's graduates will receive Honors in the Major.

### **The Dean's List**

Full-time undergraduate students seeking their first baccalaureate whose semester grades are among the top 10 percent, who have three or more graded units, and who have no incomplete grades or withdrawals for the semester are named to the Dean's List. A Dean's List indication will appear on the student's permanent academic record.

### **Major Requirements**

Students must declare their major area of study through the Office of Academic Advising by the end of the sophomore year. A major consists of a minimum of eight units outlined within a department/school or program. One major is required of all graduates. At least four units of the major must be completed in residence at Puget Sound. A 2.0 minimum grade-point average is required both for those courses completed at Puget Sound and elsewhere. Courses counting toward the major may not be taken pass/fail unless they are mandatory pass/fail courses.

### **Graduation with Two Majors**

Students who wish to earn the baccalaureate degree with two majors may do so with clearance of the majors by the respective departments or schools. Whichever major is declared as the first major controls the degree to be awarded. Both majors must be completed before the degree is awarded.

### **Minor Requirements**

An academic minor is not required for a degree; however, if the student elects to earn a minor, it must consist of a minimum of five units within the minor area. At least three of these must be completed in residence at Puget Sound. Specific requirements for the minor are established by the individual minor area. A 2.0 minimum grade-point average is required both for those courses completed at Puget Sound and elsewhere. Minors must be completed before the degree is awarded. A student may not major and minor in the same department. Courses counting toward the minor may not be taken pass/fail unless they are mandatory pass/fail courses.

### **Second Baccalaureate Degree**

Students who wish to earn a second baccalaureate degree must complete a minimum of eight additional academic and graded units in residence subsequent to the awarding of the first baccalaureate degree. Students are required to complete departmental requirements current as of the date of post-baccalaureate enrollment. Each additional baccalaureate degree requires eight more discrete academic, graded units.

# COURSES OF STUDY

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## AFRICAN AMERICAN STUDIES

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Professor: Dexter B. Gordon, *Director*

Assistant Professor: Grace Livingston

Advisory Committee: Nancy Bristow, *History*; William Haltom, *Politics and Government*; James Jasinski, *Communication Studies*; Juli McGruder, *Occupational Therapy*; Tamiko Nimura, *English*; A. Susan Owen, *Communication Studies*; Jac Royce, *Theater*

African American Studies is an interdisciplinary program. The program focuses on African American experiences, while recognizing that other academic subjects bear importantly on the understanding of these experiences and should have a place in the African American Studies curriculum. Students in the African American Studies Program acquire a basic knowledge of African American and other African diasporic experiences; develop an understanding of the role of race in African American life and also in the broader social and institutional relations of the United States and other parts of the Americas; become familiar with local, regional, national, and international issues of race, power, and multiculturalism and the implications these have for students' daily lives; and formulate personal critical perspectives that can guide ethical and political actions.

### General Requirements for the Minor

General university degree requirements stipulate that 1) three units of the minor be taken in residence at Puget Sound; 2) students earn a GPA of 2.0 in courses taken for the minor; and 3) all courses taken for a minor must be taken for graded credit. Any exceptions to these stipulations are indicated in the minor degree requirements listed below.

### Requirements for the Minor

A minor in African American Studies requires AFAM 101 and four other units, two of which must be at the 300-level or above.

**1. Humanistic perspectives: 2 units**, one of which is AFAM 101

Always applicable to African American Studies Minor

AFAM 355, African-American Women in American History

COMM 291, Film Culture

COMM 370, Communication and Diversity

CONN 375, The Harlem Renaissance

ENGL 482, Twentieth-Century African American Literature

HIST 367, The Civil War

MUS 221, Jazz History

Applicable to African American Studies Minor when the course emphasizes African American literature

ENGL 340, Literary Genre: Poetry

ENGL 341, Literary Genre: Drama

ENGL 342, Literary Genre: Prose

ENGL 343, Literary Genre: Non-Fiction



ENGL 360, Major Authors  
ENGL 485, Literature and Gender

2. Social-scientific perspectives: 2 units
  - CSOC 213, Urban Sociology: Cities, Regions, and Peoples
  - CSOC 215, Race and Ethnic Relations
  - PG 311, Political Communication
  - PG 314, U.S. Public Policy
  - PG 315, Law and Society
  - PG 316, Civil Liberties
  - PSYC 281, Social Psychology

**3. Race in Context: 1 unit**

Courses in this grouping may have no obvious racial content but those that don't invite students to see the materials of the course from an African American perspective. A 300 or a 400-level course in this area may function as a capstone course for the minor. The student will negotiate an extra project to which the African American Studies committee and the instructor of the course must agree. This extra project may involve a regularly scheduled paper or other submission that the student agrees to expand or enhance to meet the expectations of the committee, consistent with the time and flexibility available to the instructor. This extra project may instead involve an additional paper or submission to be graded by the instructor. Negotiation of the capstone project **must occur before** the student begins the course. Students present their projects, or portions thereof, at an annual gathering sponsored by the African American Studies program.

AFAM 401, Narratives of Race  
COMM 322, Television Criticism  
CONN 302, Ethics of Responsibility and Difference  
CSOC 103, Social Problems  
CSOC 305, Language, Culture, Society, and Power  
ECON 218, American Economic History  
ECON 241, Urban Economics  
ENGL 447, Studies in Nineteenth-Century American Literature  
ENGL 449, Studies in Twentieth-Century American Literature  
ENGL 477, The Rhetoric and Culture of the City  
ENGL 481, Asian American Literature  
HIST 152, Survey of United States History to 1877  
HIST 153, The United States Since 1877  
HIST 254, African American Voices - A Survey of African American History  
HIST 280, Colonial Latin America  
HIST 281, Modern Latin America  
HIST 351, Early American Biography and Autobiography  
HIST 359, The United States in the 1960s  
HIST 371, American Intellectual History to 1865  
PG 313, American Constitutional Law  
PG 322, The Politics of Central America and the Caribbean

## Notes

1. Students and/or instructors may propose substitute courses to the director and advisory

## Art

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committee, but approval of such courses should be obtained before the course is taken.

2. A student may apply only two courses taken to fulfill requirements of a major toward the minor in African American Studies. Applying African American Studies courses to satisfying core curriculum requirements is not restricted. All students interested in pursuing a minor in African American Studies should begin by discussing their plans with their advisors, appropriate members of the advisory committee, or the director.

### Course Offerings

Unless otherwise specified, each course carries 1 unit of credit and is offered at least once each academic year. Please see “Frequency of Course Offerings” on page 16.

**First-Year Seminars.** See *First-Year Seminars in the Core Curriculum* section of this Bulletin for course descriptions (page 17 and 29). While these courses cannot count toward a major or a minor, the following are recommended for their focus on important aspects of African American Studies.

#### *Writing and Rhetoric*

AFAM 110, **Imaging Blackness: Black Film and Black Identity**

COMM 105, **The Rhetoric of Race Relations**

COMM 190, **The Discourse of Slavery**

HIST 131, **Civil Rights Era**

**Connections courses.** See the *Connections* section in the *Core Curriculum* section of this Bulletin for course descriptions (page 37)

AFAM 401, **Narratives of Race**

**101 Introduction to African American Studies** This course provides an examination of intellectual and creative productions, developments, and events that have come to be recognized as the discipline of African American Studies. The course explores literature, history, popular culture (music, television, magazines, newspapers, movies, film documentaries), and politics as a way to identify the historical and political origins and objectives of Black Studies and the 1960s Black Liberation struggles, the early academic and social concerns of Black Studies advocates, the theoretical and critical approaches to Black Studies as a discipline, and the early objectives of Black Studies in relation to present goals of multiculturalism. Satisfies the Humanistic Approaches core requirements. Offered each semester.

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## ART

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Professor: John McCuiston, *Chair*

Associate Professor: Zaixin Hong (on leave 2006-2007); Michael Johnson

Assistant Professor: Kriszta Kotsis; Janet Marcavage; Elise Richman; Linda Williams

### About the Department

The Art Department offers a Bachelor of Arts degree in Studio Art and Art History. The two majors are distinct, but students in either major are required to take supporting courses in the other area to insure breadth and depth in their knowledge of art. Particular attention is paid to the university's emphasis on writing, and all Art courses include a writing component. The depart-

ment gives first priority to liberal education. The specific education of artists and of art historians is a very important second priority. Department courses serve majors as well as students who are enrolled for the Fine Arts Approaches core. Careful attention is given to meet the needs of these different student programs.

The Art Department occupies three small buildings with Kittredge Hall and its galleries as the nucleus. Approximately eleven exhibitions are held each academic year in the galleries.

### **Art Studio**

It is the goal of the department that studio majors should be able to demonstrate a mastery of process, an understanding of the principles of design, a familiarity with art history, and a sensitivity to expression in visual language.

The studio areas are well equipped for an institution of our size. Course offerings include ceramics, foundations, drawing, painting, printmaking, photography, digital imaging, and sculpture. In addition to instruction from the regular staff, a number of visiting artists are brought to the campus each year to lecture and work with students.

Studio classes average 15 students per class, providing opportunities for close relationships between faculty and students. The studio faculty is exceptionally well qualified. All are exhibiting artists, showing their works in national and international competitive exhibitions and museum exhibitions, as well as in regional and local shows.

### **Art History**

Art history majors develop skills to analyze artwork from a wide range of cultures. This includes the study of methodology for analyzing art in the context of a particular civilization. Written work culminates in the presentation of a major paper that demonstrates the student's ability to apply methods of research and analysis.

Courses in art history cover the surveys of Western, Asian, and modern art history, with upper division (300-400 level) studies in Ancient, Medieval, Renaissance and Baroque, Mexican, and several areas of Asian art history.

### **General Requirements for the Major or Minor**

General university degree requirements stipulate that 1) at least four units of the major or three units of the minor be taken in residence at Puget Sound; 2) students earn a GPA of 2.0 in courses taken for the major or the minor; and 3) all courses taken for a major or minor must be taken for graded credit. Any exceptions to these stipulations are indicated in the major and minor degree requirements listed below.

Courses taken to meet the Writing and Rhetoric and Scholarly and Creative Inquiry seminar core requirements may not be used to meet major or minor requirements.

### **Requirements for the Major**

#### **BA Degree / Art Studio Emphasis**

*A limited number of seats have been reserved in Art 101, 102, and 109 for prospective studio art majors. Students who plan to major in studio art and wish to take one of these courses should contact the instructor during the advising period prior to Fall or Spring registration week.*

1. Completion of eight studio Art courses, specifically ART 101, 102, 109, 247, 251, 265, 281 or 282, and 450;
2. Completion of any three of the five art history courses, specifically ART 275, 276, 278, 302, 325;
3. During the junior year art majors with studio emphasis are required to enter a minimum of

two pieces of studio work in the Junior Student Exhibition. The work is reviewed by the studio art faculty in order to determine the level of accomplishment of individual studio majors at mid-level in the studio program. Students who study abroad during the Spring semester of the junior year present two pieces of artwork to the studio faculty when they return to campus. If the work is three-dimensional, slides or good photographs are acceptable;

- 4 Satisfactory participation in the Senior Exhibition and the Senior Seminar.

**Note:** The department would like to call the attention of Studio Art majors to PHYS 107, Light and Color, which is strongly recommended. Elective units are available in Art and art-related fields which provide concentration, depth, and choices for the Art major in painting, ceramics, drawing, printmaking, and other fields.

Advisors: Professors Johnson, Marcavage, McCuiston, and Richman.

## **BA Degree / Art History Emphasis**

1. Completion of ART 101, 275, 276, 278 or 302, 494 and four of the following: 278, 302, 325, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, and 371.
2. Art majors with an art history emphasis are required to submit by the end of their junior year a copy of a graded art history paper for mid-level evaluation.
3. Completion of two units in Modern Languages. ART 275, 276 may be waived for students with exceptional preparation by petition and permission of advisor(s).

Advisors: Professors Hong, Kotsis, and Williams.

## **Requirements for the Minor**

### **Art Studio Emphasis**

Completion of a minimum of six units to include 1) ART 101 or 109, 102; 2) one unit from 275, 276, 278, 302, or 325; 3) three electives in different studio disciplines.

### **Art History Emphasis**

Completion of the six units listed as required: ART 275, 276, 278 or 302; two art history units at the 300 level, and ART 494.

**Note:** Courses more than 10 years old will not be applied to an Art Major or Minor.

## **Course Offerings**

**Unless otherwise specified, each course carries 1 unit of credit and is offered at least once each academic year. Please see “Frequency of Course Offerings” on page 16.**

**First-Year Seminars.** See *First-Year Seminars in the Core Curriculum* section of this Bulletin for course descriptions (pages 17 and 29).

### *Scholarly and Creative Inquiry*

130 Graphics: Exploring the Multiple

140 Art Theory and Practice

160 Chinese Painting in the West

### *Writing and Rhetoric*

150 Constructions of Identity in the Visual Arts

## Other courses offered by Art department faculty

### **HUM 120, Crisis and Culture**

Satisfies the Seminar in Scholarly and Creative Inquiry core requirement.

### **HUM 330, Tao and Landscape Art**

Satisfies the Connections core requirement.

### **HON 206, The Arts of the Classical World and the Middle Ages**

Satisfies Fine Arts Approaches core requirement.

### **HUM 210, Power and Culture in Periclean Athens and Augustan Rome**

Satisfies Humanistic Perspective core requirement.

**101 2-D Foundations** This course is a study of the visual language in 2-dimensional media. Emphasis is on the theory and practice of composing visual statements in painting, drawing, and computer media. Available for non-Art majors. Offered each semester.

**102 3-D Foundations** This experience provides students with the opportunity to develop a strong foundation in the dynamics of three-dimensional design. Problems are assigned to help in the understanding of form, space, line, texture, and color as it relates to three-dimensional objects. Available for non-Art majors. Offered each semester.

**109 Drawing** Drawing from observation; discussion of basic conceptual theory and technique, investigation into use of various media pertaining to the discipline of drawing. Available to non-Art majors. Offered each semester.

**247 Introduction to Ceramics** A study of the fundamentals of forming objects on and off the wheel, glaze application, and firing techniques at both high and low temperatures. Lectures and discussions are a combination of demonstration and critique, with slide presentations of significant American ceramics and their cultural significance. *Prerequisites: ART 101 and 102 or 109 for Art majors. Open to students not majoring in Art with permission of the instructor.* Offered each semester.

**251 Painting** Students master basic skills in paint application and in rendering volumes and their environments. They learn the practical application of color theory to the visual analysis of particular light situations and to the mixing of pigment. *Prerequisite: ART 101 and 109.* Offered each semester.

**265 Sculpture** Using a variety of materials, students are provided the opportunity to develop individual artistic statements through exposure to a number of techniques and to current issues in contemporary sculpture. There is an emphasis on form, space, scale, craftsmanship, and the language of material as it pertains to the conceptual problem. *Prerequisites: ART 101 and 102 or 109 for Art majors. Open to students not majoring in Art with permission of the instructor.* Offered each semester.

**275 Studies in Western Art I: Ancient Art to Renaissance** This course is a survey that examines the development of Western architecture, sculpture, and painting from early Western and Near Eastern origins to the early fourteenth century. Particular attention is given to the cultural contexts in which these forms emerge, and the artistic and historical significance of these works. Satisfies the Fine Arts Approaches core requirement. Offered each year.

**276 Studies in Western Art II: Renaissance to Modern Art** Slide lecture survey of the development of major aesthetic principles and art forms from the early Renaissance to the modern period, with particular emphasis on individual artists and their historical and intellectual settings. Satisfies the Fine Arts Approaches core requirement. Offered each year.

**278 Survey of Asian Art** This course is a survey of the major artistic traditions of Asia, primarily of China, India, and Japan, from prehistoric times to the turn of the twentieth century. It examines important monuments and emphasizes the interaction of art and society, specifically, how different artistic styles are tied to different intellectual beliefs, geographical locations, and other historical contexts. The course includes a field trip to the Seattle Asian Art Museum. Satisfies the Fine Arts Approaches core requirement. Offered each semester.

**281 Beginning Printmaking: Relief and Intaglio** This beginning printmaking class introduces students to basic relief and intaglio printing techniques, in addition to a history of the media. Drawing is an important aspect of the two processes that is explored. Relief processes include transfer methods, safe use of carving tools, black and white and color printing. Intaglio processes include plate preparation, the application of grounds, methods of biting the plates with acids, chine colle, and printing. *Prerequisite: Art 101 and 109 for Art majors; ART 101 or 109 for non-majors.* Offered Fall term.

**282 Beginning Printmaking: Lithography and Screenprint** This beginning printmaking course introduces students to technical aspects and creative possibilities of lithography and screenprinting. Planographic processes that are introduced include stone lithography and plate lithography. Students learn several non-toxic screenprint procedures, including paper and fluid stencils, reduction printing and crayon resists. There is an overview of historical and contemporary works in each area. *Prerequisite: Art 101, and 109 for Art majors; ART 101 or 109 for non-majors.* Offered Spring term.

**285 Beginning Photography** A studio course that provides instruction in the basic materials and techniques of black and white creative photography, including understanding the use of the camera, exposure of film, processing film, and making a print. Development of critical ability and a personal style are emphasized. Students must have a camera that can be operated manually. May be counted as an elective for a minor. *Prerequisite: Art 101 or 109.* Offered each Fall semester and occasionally in the Spring term.

**287 Introduction to Digital Imaging** This studio course provides practical knowledge of the tools necessary to generate and output creative digital images in print. Students learn how to utilize the tools of Photoshop and Illustrator. Students also become familiar with the use of a digital drawing tablet, digital camera, flatbed scanner, and film scanner. The course content includes digital drawing and painting, photography, and typography. Students who have received credit for ART 387 may not receive credit for ART 287. *Prerequisite: ART 101.* Offered every other year; offered Fall 2006.

**290 Book Arts** The production of the artist's book is central to this course. Students learn how to construct several different book structures, and then choose one from for the creation of their work. During this course, each student creates a one-of-a-kind book and an editioned book. Students also participate in a collaborative book project. The bookmaking craft includes gluing, folding, and binding techniques. A discussion of archival and non-archival materials is presented. Ongoing concepts, including image, narrative, audience, sequencing, and voice, are addressed. May be counted as an elective for a minor. *Prerequisite: Art 101 or portfolio review by professor.* Offered occasionally in Summer Session.

**302 The Art of Mexico and Mesoamerica** This course introduces the arts of Mesoamerica and Mexico from 1200 B.C.E. to the present. Architecture, sculpture, pottery, and painting of the pre-Columbian and Colonial periods are examined with their ritual functions in mind, focusing on the political and religious contexts of the works. Style is analyzed throughout the course as a product of cultural intersection and transmission, reflecting ongoing adaptation and assimilation rather than the hegemonic expression of one particular culture. Readings and discussions of the 16<sup>th</sup> and 19<sup>th</sup> centuries include the reception of “New World” images and objects by European and North American audiences, investigating the power of art to create, confirm, or reject views of other cultures. Counts toward Latin American Studies minor. *Prerequisite: Sophomore standing or above.* Satisfies the Fine Arts Approaches core requirement.

**310 Drawing and Painting the Figure** This course emphasizes the use of the figure to serve artistic expression. Working from the live model, students learn the anatomy of the human figure and a variety of painting and drawing techniques. Students develop the content of their work while attending to its placement within the tradition of figurative art. *Prerequisites: ART 251.* Offered on an occasional basis; not offered 2005-2006.

**325 The Cutting Edge: Art and Architecture Since 1900** This course encompasses an array of styles and “isms.” Not all “cutting edge” art is “modern.” This course explores the artistic trends in the West from 1900 to the present focusing on the relationship of artists and movements to historical and cultural events that shaped the period. Offered every other year; offered Spring 2007.

**332 Art and Architecture** This course guides students through art and architecture from the Norman Conquest to the present day. Students spend about one third of their time in the classroom and two thirds on field study excursions in and around London. Students are encouraged to view buildings for the millennium such as The Dome, the London Eye, The Millennium Bridge, Tate Modern and the Jubilee Line Extensions on the London underground, all of which make excellent comparisons with the traditional classically inspired buildings seen throughout London. The role of the museums and art galleries is an ongoing topic. Offered only as a part of the ILACA London program.

**333 Modern and Contemporary Art in London** The object of this course is to provide an introduction to 20<sup>th</sup> century Modernism by studying the examples of British, Western European, and American art that can be viewed at first hand in London. The course also addresses the ideas of Postmodernism by examining the contemporary London art scene. Although emphasis is placed on the trends to be found in the “isms” and “ists” of Modernism and the general idea of Postmodernism, it is also expected that students are able to make close studies of individual artists. The role of patrons, museums and galleries, and canons of art is an ongoing topic. Offered only as part of the ILACA London program.

**334 English Masters 18<sup>th</sup> Century to the Present** This course provides a detailed study of English masters in the fields of painting and sculpture, beginning in the 18<sup>th</sup> century with the emergence of the British School and the Royal Academy of Arts and ending with a look at contemporary artists who are likely to be considered the masters of tomorrow. Major artists are studied chronologically and seen in the cultural context of the time. Offered only as part of the ILACA London Program.

**347 Intermediate Ceramics** This course examines advanced methods of forming and decorating ceramics. Instruction covers clay bodies, glaze, surface treatment, and the loading and fir-

ing of kilns. Group and individual critiques focus on defining and developing a personal style.

*Prerequisite: Art 247 or equivalent.*

**348 Ceramics: Handbuilding** This course introduces the student to historical and contemporary approaches to handbuilding with clay. Study is divided between studio approaches to clay fabrication and independent thinking with regard to contemporary issues in ceramics. *Prerequisite: ART 247 or 347 or instructor's permission.* Offered every other year; offered Spring 2007.

**350 Intermediate Painting and Drawing** The course material addresses issues in color and tonal relationships, scale, and composition at the intermediate level. Students develop a personal visual vocabulary by making deliberate choices about subject matter and the handling of media. Students who have received credit for ART 210 or ART 351 may not receive credit for ART 350. *Prerequisites: ART 109, 251.* Offered frequently; offered Spring 2007.

**355 Watercolor** The study and practice of working with aqueous painting vehicles; transparent and opaque watercolor. Working from varied subject matter of landscape, still life, interiors, the human figure, and abstract forms. *Prerequisites: ART 101 and 109 for Art majors; permission of instructor for non-Art majors.* Offered only in Summer Session on an occasional basis.

**359 Islamic Art** This course is an introduction to the history of the arts of the Islamic world from the Seventh through the Seventeenth century. It examines the visual arts of Islam in their geographic, cultural, and religious contexts. Each class includes slide lecture and discussion. *Prerequisite: Junior or senior standing or permission of instructor.* Offered every third year; not offered 2006-2007.

**360 Art and Architecture of Ancient Greece** The study of art and architecture of Ancient Greece, Minoan, Mycenaean, Archaic through Hellenistic Greek art and architecture, and their function in their respective societies. Emphasis on changing styles and select topics of art historical significance. Usually offered every other year; not offered 2006-2007.

**361 Art and Architecture of Ancient Rome** The study of the visual arts of ancient Italy: Etruria, Rome, and the Roman colonies to the end of the fourth century A.D. Emphasis on the cultural and political significance of architecture and art in early Italy. Offered every other year; offered Fall 2006.

**362 Byzantine and Islamic Art** Comparative study of the aesthetic principles of the Byzantine and Islamic civilization during the Middle Ages. Emphasis on the analysis of stylistic peculiarities in their social and cultural context. Usually offered every other year; not offered 2006-2007.

**363 Medieval Art** The development of art and architecture in the Middle Ages with special emphasis on Western Europe from the Age of Constantine the Great to the High Gothic period; religious, economic, and political basis of Medieval art. Usually offered every other year; offered Spring 2006.

**364 Italian Renaissance and Baroque** The development of painting, sculpture, and architecture from the early fifteenth century in Florence through the early work of Michelangelo at the end of the century in Rome and to the post-reformation Mannerist work of his late career. The development of the Baroque is traced from the end of the sixteenth century and culminates in the seventeenth century achievements of Bernini. Offered every third semester; offered Fall 2006.



**365 Nineteenth-Century Art in Europe and the U.S.** The development of painting from the years of the American and French Revolution to the end of the nineteenth century, with particular emphasis on the social, political, and artistic issues of the Neoclassic, Romantic, Realist, Impressionist, and Post-Impressionist periods. Offered every third semester; offered Spring 2007.

**366 American Art** Slide lecture study of European-American architecture, painting, sculpture, and domestic arts of the seventeenth, eighteenth, and nineteenth centuries. Particular emphasis is given to late Georgian architectural practices and the indigenous painting movements of the nineteenth century. Offered every three years; not offered 2006-2007.

**367 Chinese Art** This course is an introduction to the foundations of Chinese art from the Neolithic period to the present. It covers the arts of ceramics, bronze, jade, painting, calligraphy, sculpture, and architecture. Emphasis is placed on the relationship of art forms and the socio-political forces and intellectual discourses that shaped them. Each class combines lecture and discussion. The course includes two hands-on sessions of Chinese calligraphy and ink painting. Offered every other year; offered Fall 2006.

**368 Japanese Art** This course is a survey of the visual arts of Japan from the Neolithic period to modern times. The course also examines the social, political, and philosophical atmosphere that shaped these arts. Architecture, sculpture, ceramics, and decorative arts are discussed, but painting and woodblock print are emphasized in the later periods. Offered every other year; not offered 2006-2007.

**369 Twentieth-Century Chinese Art** This course examines Chinese art in the socially and politically tumultuous twentieth century, which has witnessed the end of Imperial China, the founding of the Republic, the rise of the People's Republic, and the impact of the West throughout the period. The focus is on the art and society from the Cultural Revolution (1966-1976) to the end of the century. Usually offered every other year; offered Spring 2007.

**370 Buddhist Art** This course is an introduction to the major monuments and movements of Buddhist art in Asia, including China, Korea, Japan, Southeast Asia, and Tibet. Emphasis is placed on the interactions between different Buddhist concepts/schools and the diverse visual forms that represented them. Issues for examination include the evolution of the Buddha's image from aniconic to iconic representation, the development of Buddhist iconography in relation to other religious iconography and secular imagery, the role of patronage, and the relationship of pilgrimage and art production. Each class combines lecture and discussion. Usually offered every other year; not offered 2006-2007.

**371 East Asian Calligraphy** This course provides a comprehensive introduction to the history and techniques of East Asian calligraphy as one of the supreme artistic accomplishments in China, Japan, and Korea. It combines the historical study of this art form with its hands-on practice as an art performance. Emphasis is placed on understanding the multi-functions of calligraphy in East Asian society. Offered every other year; not offered 2006-2007.

**382 Experimental Printmaking** This course includes studio projects that explore image content. The course also introduces the collagraph and photo etching. Work is concentrated in one of the four major print processes: intaglio, silk screen, lithography, and woodcut. *Prerequisites:* ART 101, 109, and 281, or permission of the instructor with portfolio review. Offered on an occasional basis; not offered 2006-2007.

**383 Photographic Printmaking** This printmaking course includes instruction in several photo-mechanical and digitally-augmented printmaking methods. Contemporary techniques, such as photo-etching, photo-lithography, laser lithography, and gum transfer are explored. Students generate imagery via the hand, the camera, and the computer, for creative press production. Concept and technique is developed within the language of multiples. *Prerequisites: ART 281, 282, or 285.* Offered every third Spring semester; not offered 2006-2007.

**385 Intermediate Photography** This is a course in black and white photography in which the student works to develop a personal vision and the techniques needed to present that vision. Advanced techniques including archival processing, the Zone System of exposure, and alternative methods are introduced. *Prerequisites: ART 285 or permission of instructor after portfolio review.* Offered every third semester year; offered Spring 2007.

**386 Non-Silver Photography** This is an intermediate level photography course that expands the skills learned in Beginning Photography. The class includes early photographic processes that helped to lay the foundations for contemporary photography. Van Dyke brown, cyanotype, and gum printing is included in the laboratory instruction. *Prerequisites: ART 285.* Offered every third Spring semester; next offered Spring 2008.

**450 Studio Seminar: Advanced Issues in Expression and Production** This course is about thinking and working as an artist, which involves the process of finding one's subject, discovering one's method of working, and examining these things as parts in the creative process. By focusing on process, students create a coherent body of work. In addition to studio work, students engage in discussions of readings about theories and issues in contemporary art. *Prerequisite: any intermediate-level studio art course.* Offered every fall semester.

**451 Advanced Painting and Drawing** The course material addresses issues in large-scale composition, artistic method, and the creative process. Emphasis is placed on making clear visual statements through a coherent body of work. *Prerequisites: ART 251 and any intermediate-level painting or drawing course.* Offered on an occasional basis; not offered 2006-2007.

**494 Seminar in Art History** Open only to junior and senior Art history majors or minors. The seminar focuses on the historiography of art history; methods and techniques of research and writing. Content varies with instructor. *Prerequisites: ART 275 and 276.* Offered Fall semester.

**495 / 496 Independent Study** Independent study is available to those students who wish to continue their learning in an area after completing the regularly offered courses in that area. Requires junior standing, a contract with the supervising professor, and departmental approval.

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## ASIAN STUDIES

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Director: Karl Fields, *Politics and Government*

Visiting Associate Professor and Pacific Rim/Asia Study-Travel Program Director: Elisabeth Benard

Assistant Professor: Carlo Bonura, *Luce Assistant Professor of Islamic Societies in Southeast Asia*

Committee: Suzanne Barnett, *History*; Elisabeth Benard, *Religion*, Carlo Bonura, *Politics and Government* (on leave, 2006-2007); Zaixin Hong, *Art*; Priti Joshi, *English*, Nick Kontogeorgopoulos, *International Political Economy*; Sunil Kukreja, *Comparative Sociology*; Jan Leuchtenberger, *Foreign Languages and Literature*, Mikiko Ludden, *Foreign Languages and Literature*; Jim McCullough, *Business and Leadership*; Lo Sun Perry, *Foreign Languages and Literature*; Stuart Smithers, *Religion*, Jonathan Stockdale, *Religion*; Judith Tyson, *Foreign Languages and Literature*

### About the Program

The Asian Studies Program provides courses on Asian cultures and civilizations in a broad range that includes East Asia, South Asia, and Southeast Asia as electives for all students and offers a curricular concentration on Asia as a *designation on the transcript upon graduation* for students who choose this concentration. The designation *Interdisciplinary Emphasis in Asian Studies* reflects the program's multidisciplinary content and interdisciplinary effect. The program also offers the university's unique *Pacific Rim/Asia Study-Travel Program*. The designation in Asian Studies is not a major or a minor but functions as an enhancement of, or a complement to, any major of a student's choice. Fundamental to the program is its invitation to a student who chooses the designation to cultivate her or his intellectual autonomy by exercising flexible choice of courses and participating in co-curricular events. Students who demonstrate academic excellence and complete a one-semester senior thesis will achieve the added designation *Robert Trimble Distinguished Asia Scholar*.

The underlying assumption of the Asian Studies Program is that the vast region labeled "Asia" is complex and diverse and that varied Asian peoples and institutions have greatly influenced, and continue to influence, human experience throughout the world. Courses in the program allow students to develop the ability to read difficult texts, to understand and to formulate abstract ideas, and to make informed judgments about a world of many cultures and about their own society as viewed by others. Faculty members with Asian language and area expertise are in many different departments, and the Asian Studies Program brings together courses from multiple departments and programs for interdisciplinary engagement. Some courses, for example, ASIA 144 and 344, as well as Asian studies courses in the Humanities Program, are interdisciplinary in themselves.

### Subsidiary programs

In addition to the Pacific Rim/Asia Study-Travel Program, the Asian Studies Program also is home to other special opportunities for all students, including the Charles Garnet Trimble Scholarships for selected entering students and Trimble scholarship grants for study abroad in Asia. Furthermore, the program provides a context for the Miki Fellowship for a postgraduate year in Japan and offers a postgraduate English-instructorship at Hwa Nan Women's College in Fuzhou, China. For students seeking the designation in Asian Studies, Trimble Scholarships for

continuing upper division students are available. For students seeking the distinguished designation, Trimble summer research grants prior to the one-semester senior thesis also are available.

### University requirements

Asian studies courses are represented in the First-Year Seminar program in the core curriculum (see list of courses, below), although these do not count toward the designation in Asian Studies. Several courses in the program are options in the core curriculum (in Fine Arts and Humanistic Approaches, as well as Connections), and Chinese and Japanese language courses meet the university's foreign-language requirement. In general, any student may take any course offered in the program without related prior study (although a few upper level courses have prerequisites, as indicated in departmental listings).

### Pacific Rim Program

The Pacific Rim/Asia Study-Travel Program, scheduled every three years (next in Asia 2008-2009), is a full academic year of courses taught in different locations in Asia. Approximately 20 students participate in the program through a process of formal application; selection is by the university's Study Abroad Selection Committee. Participants prepare in advance of the scheduled study-travel year by passing specified prerequisite courses in the Asian Studies Program and a non-credit course of readings assigned by the Pacific Rim/Asia Program Director.

### Designation requirements

To qualify for the designation in Asian Studies or the designation in Asian Studies as Robert Trimble Distinguished Asia Scholar a student must meet requirements as specified below. Every student seeking the designation must coordinate her or his program with the Director of the Asian Studies Program and is encouraged to select a primary or secondary advisor from among the faculty members in the program.

#### Designation in *Asian Studies*

Designation in Asian Studies requires 7 units plus study abroad (or internship) in Asia:

1. Letter of intent submitted at any time, but the end of a student's first year or during the second year at Puget Sound is advised (see the Director of the program);
2. Two units of Chinese or two units of Japanese from language courses listed below, or two approved units of another appropriate Asian language;
3. One semester (or summer) pre-approved study abroad or internship in Asia;
4. ASIA 344;
5. Four units of electives in the program curriculum *exclusive of language courses and ASIA 489 or equivalent* (at least two of the four units at the 300 or 400 level, at least two of the four units on campus in Tacoma);
6. Good academic standing upon entering the designation program, overall GPA in the program of 2.5 or above, and grades of C or better in all program courses (no Pass/Fail).

Every student must coordinate her or his program with the Director of the Asian Studies Program. Variation of requirements is possible, as arranged with the Asian Studies Committee by way of the Director of the program. Courses applicable to the designation in Asian Studies have no time limit.

#### Designation as *Robert Trimble Distinguished Asia Scholar*

Distinguished designation in Asian Studies requires 8 units plus study abroad (or internship) in Asia:

1. All requirements, as above, for designation in Asian Studies;

2. One-semester senior thesis: ASIA 489, or approved research seminar course in a department participating in the program (Art, Business and Leadership, Comparative Sociology, Economics, Foreign Languages and Literature, History, Politics and Government, or Religion), or ASIA 370 (Pacific Rim/Asia Study-Travel Program research-and-writing course);
3. Overall GPA in the designation program of 3.5 or above, grades of C or better in all program courses (no Pass/Fail), and a grade of B or above in ASIA 489 (or equivalent).

Every student must coordinate her or his program with the Director of the Asian Studies Program. Variation of requirements is possible, as arranged with the Asian Studies Committee by way of the Director of the program. Courses applicable to the designation in Asian Studies with distinction have no time limit.

## Pacific Rim / Asia Study-Travel Program

By completion of all requirements for the Pacific Rim/Asia Program, including three units of prerequisite courses (with at least one of the three prerequisite units at the 300 or 400 level), plus language study and ASIA 344 and meeting all other stated requirements, a Pacific Rim/Asia student can earn the designation in Asian Studies or the distinguished designation in Asian Studies.

## Course Offerings: First-Year Seminars

**First-Year Seminars.** See *First-Year Seminars in the Core Curriculum section of this Bulletin for course descriptions (page 17 and 29)*. First-Year Seminars do not count toward the designation in Asian Studies or the designation in Asian Studies with distinction.

### *Writing and Rhetoric*

HIST 111, *Scholars and Warriors in China and Japan*

### *Scholarly and Creative Inquiry*

ART 160, *Chinese Painting in the West*

CSOC 125, *Culture Wars: A Global Context*

FL 105, *Aesthetics and Identity in Japanese Culture*

HIST 125, *Sightings: China in European and American Perception*

IPE 123, *Modernization and Social Change in Southeast Asia*

PG 131, *Islam and Its Contexts*

REL 115, *Buddhism and Beats*

REL 125, *Zen Insights and Oversights*

## Course Offerings: Connections Courses

See the *Connections section in the Core Curriculum section of this Bulletin for course descriptions (page 37)*.

ASIA 344, *Asia in Motion*

CONN 380, *Religion and Architecture: From Cosmos to Cosmopolitan*

HUM 307, *Shanghai and Tokyo in the 1920s*

HUM 330, *Tao and Landscape Art*

## Course Offerings: Interdisciplinary

**ASIA 144 Asian Societies Past and Present** This course is an interdisciplinary introduction to China, India, and Japan in the world today as products of their three separate and distinctive traditions. The course focuses on China's revolution, India's independence, and Japan's economic power since the mid-twentieth century as dominant experiences of human existence in East and

## Asian Studies

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South Asia. Attention to traditional values, ideas, and issues of cultural identity informs the exploration of modern national definition and permits understanding of both cultural continuity and cultural change. Satisfies the Humanistic Approaches core requirement.

**ASIA 350 Tibet - Real, Imagined, and Perceived** This course examines the country and people of Tibet by three major categories - actual Tibet, imagined Tibet, and perceived Tibet. Studying various perspectives within Tibet and externally from her neighbors, explorers, missionaries, and others, one discovers that the perceptions of Tibet range from land of barbarians to Shangri-la. Satisfies the Humanistic Approaches core requirement.

**ASIA 370 Pacific Rim / Asia Study-Travel Program Project** This course requires of all students common readings and individual projects on Asian life and thought within the director's discipline. Each student initiates a topic and conducts bibliographical research on campus and research on site during the year in Asia as part of the Pacific Rim/Asia Study-Travel Program. Each student presents the project for critical review by others in the group. Offered only as part of the Pacific Rim/Asia Study-Travel Program.

**ASIA 489 One-Semester Senior Thesis** This course consists of independent research and the preparation of a significant paper of original scholarship. Each student seeking the designation in Asian Studies as Robert Trimble Distinguished Asia Scholar must initiate a topic, identify a supervising instructor in the Asian Studies Program, and develop a plan for research, writing, and public presentation of the project (normally presentation will be in an Asian Studies Colloquium). **Note:** Alternatively A student may meet the one-semester thesis requirement for the distinguished designation in Asian Studies by an approved research seminar in a department participating in the Asian Studies Program or by the Pacific Rim/Asia Study-Travel Program research-and-writing course (ASIA 370).

**HUM 208, Classics of East Asia** (Humanistic Approaches core) See listing under the Humanities Program for course description.

### Course Offerings: Foreign Languages

See listings under the Department of Foreign Languages and Literature for course descriptions and other relevant information.

- CHIN 101 / 102, Elementary Chinese
- CHIN 201 / 202, Intermediate Chinese
- CHIN 250, Culture and Communication
- CHIN 260, Advanced Oral Expression
- CHIN 301, Across the Strait: Cultures in China and Taiwan
- CHIN 303, Greater China: Commerce and the Media
- CHIN 305, From Bamboo Grove to Cyberspace: Chinese Literary Texts Now and Then
- JAPN 101 / 102, Elementary Japanese
- JAPN 201 / 202, Intermediate Japanese
- JAPN 301 / 302, Third-year Japanese
- JAPN 401 / 402, Fourth-year Japanese

## Course Offerings: Departmental (Non-Language)

See separate departmental listings for course descriptions.

ART 278, Survey of Asian Art (Fine Arts Approaches core)  
 ART 367, Chinese Art  
 ART 368, Japanese Art  
 ART 369, Twentieth-Century Chinese Art  
 ART 370, Buddhist Art  
 ART 371, East Asian Calligraphy  
 BUS 371, International Business: Japan and the Developed Countries of Asia  
 CSOC 203, Anthropological Study of Religion  
 CSOC 316A, Social and Cultural Change  
 CSOC 323, Tourism and the Global Order  
 CSOC 335, Third World Perspectives  
 FL 205, Survey of East Asian Literature  
 FL 220, Premodern Japanese Literature (Humanistic Approaches core)  
 FL 320, Modern Japanese Literature (Humanistic Approaches core)  
 HIST 245, Chinese Civilization (Humanistic Approaches core)  
 HIST 247, The Forging of the Japanese Tradition (Humanistic Approaches core)  
 HIST 346, China Since 1800: Reform and Revolution  
 HIST 348, Japan's Modern Century  
 PG 320, Political Islam in Southeast Asia  
 PG 323, Asian Political Systems  
 PG 339, Globalization in Southeast Asia  
 PG 372, Japanese Political Economy  
 PG 378, Chinese Political Economy  
 REL 233, Japanese Religious Traditions (Humanistic Approaches core)  
 REL 234, Chinese Religious Traditions (Humanistic Approaches core)  
 REL 328, Religion, the State, and Nationalism in Japan  
 REL 330, Zen and Japanese Society  
 REL 332, Buddhism  
 REL 333, Asian Women and Religion  
 REL 334, Vedic Religion and Brahmanism  
 REL 335, Classical Hinduism  
 REL 336, Tibetan Buddhism

### Pacific Rim / Asia Study-Travel Program Prerequisites

Any three courses, exclusive of foreign-language courses and Asian Studies 489 (or equivalent), listed above in the interdisciplinary and departmental categories.

### Asian Studies Colloquium

The Asian Studies Colloquium is a co-curricular series of presentations by guest speakers, special films, and other cultural events to promote campus awareness of, and knowledge about, Asia. Meetings occur on an irregular basis and are open to the entire university community and especially to students enrolled in courses listed under the Asia Scholars Program. For information, see the Director of the Asian Studies Program.

## PROGRAM IN BIOCHEMISTRY AND MOLECULAR BIOLOGY

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Advisory Committee: Johanna Crane, *Chemistry*; John Hanson, *Chemistry*; Christine Smith, *Chemistry*; Alexa Tullis, *Biology*; Mary Rose Lamb, *Biology*; Andreas Madlung, *Biology*; Mark Martin, *Biology*

The Biochemistry and Molecular Biology Program is interdisciplinary, with foundations in Chemistry and Biology. The two degrees that are offered are distinguished mainly in emphasis: a degree in Biochemistry emphasizes the chemical basis of biological systems, while a degree in Molecular and Cellular Biology emphasizes how molecules affect biological phenomenology. Differences in coursework reflect these different emphases.

Students interested in a degree in Biochemistry should consult the Chemistry Department section in this *Bulletin* (page 86)

Students interested in a degree in Molecular and Cellular Biology should consult the Biology Department section in this *Bulletin* (below).

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## BIOLOGY

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Professor: Mary Rose Lamb; Wayne Rickoll; Alexa Tullis, *Chair*; Peter Wimberger (on leave 2006-2007)

Associate Professor: Alyce DeMarais; Joel Elliott (on leave Spring 2007); Susannah Hannaford; Betsy Kirkpatrick; Andreas Madlung (on leave Fall 2006)

Assistant Professor: Mark Martin; Leslie Saucedo; Stacey Weiss

Visiting Assistant Professor: Jennifer Burnaford; Christine Gray; Peter Hodum

Instructor: Joyce Tamashiro

Visiting Instructor: Scottie Henderson

Acting Director, Museum of Natural History: Gary Shugart

### About the Department

As befits its place in a liberal arts university, the Biology Department offers a breadth of courses in modern biology for science majors and courses on contemporary topics in biology for non-majors. Science education for non-majors is provided through a number of courses that meet Natural Scientific Approaches and Connections core requirements. The curriculum for majors covers modern biology from molecules and cells through organisms, populations, and ecosystems, and emphasizes the conceptual, historical, and technical progression of biological science. Specialization in specific areas of biology is made possible by offering a variety of advanced elective courses. For many students the Biology major can be used as preparation for graduate school or professional careers in the health sciences and secondary teaching.

As part of the Thompson Science Complex, the Biology Department promotes close contact between faculty and students through faculty-taught laboratories and a highly organized student/faculty research program. The department has well-equipped programs for faculty-directed student research in areas such as cell and molecular biology, physiology, ecology, and evolutionary biology. A unique program for the undergraduate is coursework in the techniques of electron



microscopy and its application to biological problems. For marine and other animal studies, the department maintains a cooperative agreement with Pt. Defiance Zoo and Aquarium. The James R. Slater Museum of Natural History serves not only the students and the staff in the Biology Department but also the entire Northwest region as a resource for research.

The main objectives of the curriculum offered in the Biology Department enables students to

1. Acquire introductory and in-depth learning in the field of biology through classroom and laboratory exercises;
2. Develop intellectually through the practice of the following skills:
  - Learning from oral presentations and reading
  - Communicating clearly and well both orally and in writing
  - Locating and analyzing scientific literature
  - Analyzing and solving problems
  - Engaging in scientific observation and experimentation in both the field and in the laboratory
  - Engaging in quantitative analysis, graphing of data and the use of statistics in data evaluation;
3. Work comfortably with the extensive array of techniques and instrumentation used in biological research;
4. Collect, interpret, and present scientific data in written reports;
5. Understand the relevance of biology to contemporary issues and problems in society;
6. Acquire a broad background in biology to provide a basis for sustained professional development.

## **General Requirements for degree in Biology or Molecular and Cellular Biology**

The Biology and Molecular and Cellular Biology degrees offered at UPS are based on similar principles. Both degrees are rooted in the fundamentals of living systems, their relationship to each other, their evolution, structure and function. Both degrees further emphasize the use of experimental approaches and the development of scientific writing skills. The Biology degree offers a broad approach to the living world stressing both molecular-cellular aspects and organismal-ecological aspects of life. In contrast, the Molecular and Cellular Biology degree emphasizes the molecular and genetic basis of organisms and the biochemical adaptations and pathways that unify and distinguish them. Students develop interdisciplinary skills in Biology and Chemistry.

## **General Requirements for the Major or Minor**

General university degree requirements stipulate that 1) at least four units of the major or three units of the minor be taken in residence at Puget Sound; 2) students earn a GPA of 2.0 in courses taken for the major or the minor; and 3) all courses taken for a major or minor must be taken for graded credit. Any exceptions to these stipulations are indicated in the major and minor degree requirements listed below.

## **Requirements for the Bachelor of Science**

Completion of a minimum of 16 units of Biology and supporting courses to include:

1. Biology core courses: 111, 112, 211, 212, 311 and one unit from the following: 332 or 334;
2. Biology electives: Three additional units in biology courses numbered at 312 or above. One unit may count toward the major from the research or independent study courses: 390, 392, 399, 490, 491, 495, 496;
3. Three units in chemistry: 110, 111 or 230, 250;
4. One unit of mathematics: 180 or 181;

5. Three additional units from the following: One unit from BIOL 312 or higher; CHEM 251 or higher; Geology; MATH 150 or higher; CSCI 161 or higher; PHYS 111/112, 121/122.

### Requirements for the Bachelor of Science in Molecular and Cellular Biology

Completion of a minimum of 16 units of Biology and supporting courses to include:

1. Four units in Biology: 111, 212, 311, 404
2. Six units in Chemistry: 110, 230, 250, 251, 460, 461;
3. Two units of Mathematics: 180, 181;
4. Two units of Physics: 111/112 or 121/122;
5. Two additional units in Biology, one of which must be at the 300 or 400 level, and which can include one unit of research credit (BIOL 390, 490, or 491). Students with an interest in evolutionary, environmental, or ecological applications of molecular biology should strongly consider BIOL 112 and 360 as their electives. Students may not use BIOL 361 to satisfy this requirement.

### Requirements for the Minor

Completion of five units of Biology to include BIOL 111 and 112, a minimum of one course from the following group (BIOL 211, 212, 311) and two elective units (BIOL 211 or higher).

#### Please Note

1. The following courses do not satisfy major or minor requirements: BIOL 101, 497, 498, or 499.
2. Students majoring in Molecular and Cellular Biology may not also major or minor in Biology, Chemistry, or Biochemistry. There is no minor in Molecular and Cellular Biology.
3. Majors are encouraged to participate in the undergraduate research program within the department. Courses in the undergraduate research program include Directed Research (290/390/490), Junior Seminar (392), Biology Colloquium (399), and Senior Thesis (491). Students may begin doing research with faculty members at any time in their career. Students who wish to do a senior thesis project should enroll in Biology Colloquium, Junior Seminar, and either one unit of senior thesis or one unit of Senior Directed Research (490) and one of Senior Thesis (491). Students may count one unit of research (390, 490, or 491) as one of the advanced electives required for the degree. Students doing research must have a major GPA of 3.0 or above, consult with a faculty research adviser, and submit a research proposal to the department for approval.
4. Students interested in graduate or professional school are urged to participate in the research program as well as to complete one year of organic chemistry, one year of calculus, one year of physics, and one year of a foreign language.
5. Majors who wish to obtain secondary-level teaching certification may do so by satisfying the MAT requirements of the School of Education. Details and requirements may be obtained from the School of Education.
6. All courses required for the majors or minor, with the exception of BIOL 495/496, must be taken on a graded basis. The pass/fail grading option is not recommended for any student planning to enter graduate or professional school.
7. To be eligible to graduate with departmental honors, a student must maintain a GPA in accordance with university regulations for such distinction and must complete an independent research project.
8. Coursework completed more than ten years prior to completion of degree requirements may not be counted towards fulfilling degree requirements for the majors or the minor.

9. At least two of the Biology electives and one of the Molecular and Cellular Biology electives must be completed on the Tacoma campus.

## Course Offerings

Unless otherwise specified, each course carries 1 unit of credit and is offered at least once each academic year. Please see “Frequency of Course Offerings” on page 16.

**First-Year Seminars.** See *First-Year Seminars in the Core Curriculum* section of this Bulletin for course descriptions (pages 17 and 29).

### *Writing and Rhetoric*

150 Science in the News

### *Scholarly and Creative Inquiry*

140 Novel Genetics

157 Genetic Determinism: Are We Our Genes?

160 The Broken Brain

## Other courses offered by Biology department faculty

**CONN 312, Biological Determinism and Human Freedom: Issues in Science and Religion**

Satisfies the Connections core requirement.

**CONN 351, Everything Causes Cancer - Statistical Arguments for Causation**

Satisfies the Connections core requirement.

**ENVR 333, Forest Policy in the Pacific Northwest**

**ENVR 335, Thinking About Biodiversity**

Satisfies the Connections core requirement.

**ENVR 340, Salmon Recovery in the Pacific Northwest: Science and Conflict**

**ENVR 400, Senior Seminar in Environmental Studies**

**101 Introduction to Biology** This course introduces the organizing principles of biology through a study of selected cellular, organismal, and ecological systems. Relevant topics are used to illustrate fundamental concepts. The course may have a thematic approach in which the chosen examples relate to a particular topic, such as human health and disease, applications of biotechnology, or environmental problems; the use of a theme topic highlights the interconnection of the various fields of biology and illustrates the complexity of relevant problems. Laboratory is required. Credit for BIOL 101 will not be granted to students who have completed BIOL 111 or 121. Students who decide to major in Biology after receiving credit for BIOL 101 should talk to the Biology chair. Satisfies Natural Scientific Approaches core requirement. Offered each semester.

**111 Unity of Life: Cells, Molecules, and Systems** A contemporary approach to the major themes of modern biology. Sub-cellular, cellular, genetic, and physiological aspects of biological systems are explored in the context of the scientific process. Laboratory is required. Satisfies Natural Scientific Approaches core requirement. Offered each semester.

**112 Diversity of Life** This is a lecture/laboratory course designed to acquaint the student with the structures of, and the evolutionary relationships among, the various forms of life on earth. Laboratory is required. Some labs involve the dissection of plants, animals, and fungi. Some labs also involve the collection and killing of zooplankton and insects and the handling of ani-

## Biology

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mal parts. Some labs include a trip to the Point Defiance Zoo and Aquarium. Satisfies Natural Scientific Approaches core requirement. *Prerequisite: BIOL 111.* Offered each semester.

**211 General Ecology** An introduction to the interaction of individuals in a population, populations in a community, and communities in ecosystems. Laboratories are designed to illustrate ecological principles and give experience in approaches and techniques of ecology. Experimental design, quantitative data analysis, and statistics are emphasized throughout the course. *Prerequisites: BIOL 111, 112.* Offered each semester.

**212 Cell Biology** The structure, metabolism, and specialized activities of eukaryotic cells are the topics in lecture. Laboratories emphasize scientific method, microscopy, and biochemical and protein analyses. *Prerequisites: BIOL 111; one year of general chemistry (CHEM 110 and 111 or 230); CHEM 250 recommended.* Offered each semester.

**290 Directed Research** Credit, variable up to 1 unit This course provides a laboratory/field research experience for sophomores under the direction of a faculty mentor. Students may initiate a project or join a research project in the mentor's lab. Student and mentor fill out a departmental contract. A written research paper must be submitted for a final grade. Students are strongly encouraged to take BIOL 399 before choosing a research project. *Prerequisite: Permission of instructor.* Offered each semester, including summer.

**311 Genetics** This course introduces students to the principles of classical and modern genetics. The laboratory illustrates major concepts in genetics. In addition to the prerequisites listed below, it is recommended that students also take BIOL 212 and CHEM 250 as preparation for this course. *Drosophila* larvae are dissected as a source of chromosomes in lab. Alternate exercises are provided for students who prefer not to work with living animals. *Prerequisites: BIOL 111, CHEM 110 and 111 or 230.* Offered each semester.

**332 Plant Physiology** A study of growth, nutrition, and metabolism of the higher plants at the organismal, cellular, and molecular levels. Laboratory demonstrates data collection methodology, data analysis, and experimental design in plant physiology. *Prerequisites: BIOL 111, 112, 212; CHEM 250.* Offered Spring semester only.

**334 Comparative Animal Physiology** A study of function at the systems and cellular levels in a variety of animal forms with emphasis on physiological adaptation to different habitats. Laboratory involves application of various experimental techniques. Students taking animal physiology must participate in labs involving dissection of frogs, earthworms, crayfish. Other animals may be dissected. Some labs may require the use of live tissue preparations. *Prerequisites: BIOL 111, 112, 212.* Offered Fall semester only.

**350 Microbiology** The biology of the major groups of prokaryotes and viruses is considered in depth in lectures and readings. The laboratory covers basic microbiological techniques and experimental design. *Prerequisites: BIOL 212; CHEM 250.* Offered Fall semester only.

**355 Marine Interactions** This course focuses on the interactions between marine plants and animals and their effects on marine community structure. Lectures include units on the biology and ecology of phytoplankton and macroalgae and their consumers, the physiology and ecology of algal defenses against herbivory, and the ecology of marine invertebrate larvae. In addition to familiarizing students with local marine plants and animals, labs include herbivore feeding experiments and biomechanical studies. Emphasis is placed on studying the subject through dis-

cussions of primary literature, and on effective design of ecological experiments. *Prerequisites:* BIOL 111, 112, 211. Offered occasionally; not offered 2006-2007.

**356 Invertebrate Zoology** A survey of invertebrate taxa with emphasis on the phylogenetic relationships among the various groups. Special attention is paid to morphological and functional aspects of adaptation to a variety of environments. *Prerequisites:* BIOL 111, 112. Offered occasionally; not offered 2006-2007.

**360 Evolution** Evolution is fundamental to understanding the big why and how in biology. Beginning with the fundamentals of population genetics, this course explores a diverse array of topics such as speciation, mass extinctions, adaptive radiation, molecular evolution, systematics, disease and conservation biology. *Prerequisite:* BIOL 211. Offered Fall 2006.

**361 Biochemical Pathways and Processes** This course deals with the structure and function of proteins, carbohydrates, fats, and nucleic acids at the cellular and molecular levels. The course emphasizes both the interrelationships among major metabolic pathways, and how modern techniques are applied to study biomolecular structure and function. The course is suitable for students interested in health-related fields as well as those interested in broader applications. There is no laboratory associated with this course. This course does not fulfill a requirement for a degree in either Biochemistry or Molecular and Cellular Biology. Credit for BIOL 361 will not be granted to students who have completed CHEM 461. *Prerequisites:* CHEM 251, BIOL 212. BIOL 311 recommended. Not offered 2006-2007.

**374 Mammalian Cell Microanatomy** Mammals are composed of a number of highly integrated physiological systems, the tissues and organs, each with characteristic structure and function. This course combines aspects of histology, cell biology, and physiology to analyze the cells and tissues of mammals. The principal goal of this course is to learn the structure and function of normal mammalian tissues. Key experiments that have produced our understanding of cell structures and function are analyzed. *Prerequisites:* BIOL 111, 112. Not offered 2006-2007.

**375 Developmental Biology** Contemporary theories on differentiation and descriptive patterns of development with emphasis on animals. The laboratory deals with a variety of invertebrates and vertebrates including some experiments with living materials. Alternative exercises are provided for students who prefer not to work with living animals. *Prerequisites:* BIOL 111, 112, 212, 311. Not offered 2006-2007.

**377 Field Botany** This course explores vascular plant evolution and ecology and introduces students to identification of the local flora. Lectures cover vascular plant morphology, evolutionary history, systematics, life-history trade-offs, and ecological interactions. Labs focus on family recognition and species identification, both in the lab and in the field. Numerous in-class field trips are required. *Prerequisites:* BIOL 111, 112, and 211. Offered every other year; offered Spring 2007.

**378 Vertebrate Zoology** A survey of the major groups of vertebrates with emphasis on evolution, adaptation, morphology, ecology, and behavior. Vertebrates of the varied habitats of the Pacific Northwest are studied in lab and field. *Prerequisites:* BIOL 111, 112 or equivalent. Offered Fall 2006.

**390 Directed Research** Credit, variable from 0.5 to 1 unit This course provides a laboratory/field research experience for juniors under the direction of a faculty mentor. Students may initiate a project or join a research project in the mentor's lab. Student and mentor fill out a departmental

contract. A written research paper and an oral or poster presentation must be submitted for a final grade. Students are strongly encouraged to take BIOL 399 before choosing a research project. *Prerequisite: Permission of instructor.* Offered each semester, including summer.

**392 Introduction to Biological Research** 0.5 unit Review of the biological literature for the purpose of learning how to select a research topic, write a detailed proposal for that research, and communicate that proposal orally to a group of faculty and students. Students are strongly encouraged to take BIOL 399 before choosing a research project. Open to second and third year students. *Prerequisites: BIOL 111, 112, 211, 212 (211 or 212 may be taken concurrently).* Offered Spring semester only.

**399 Biology Colloquium** 0.25 activity credit This course introduces Biology majors to the professional activities of departmental faculty and staff. It includes a series of presentations by Biology faculty relating their interests in both teaching and research, with a description of current research projects. It also includes orientation to the research support facilities provided by the Biology Department. *Prerequisites: BIOL 111, 112.* Offered Fall semester only.

**404 Molecular Biology** The study of the structure, organization, and regulation of genetic material at the molecular level. The laboratory covers the techniques used to study single genes. *Prerequisites: BIOL 212 and 311.* Offered Spring semester only.

**441 Cancer Biology** This course examines genetic alterations that contribute to cancer and how they disrupt normal regulation of cell growth. Several specific mechanisms that promote cancer progression are examined in detail, providing a platform for thoughtful consideration of current therapeutic approaches. *Prerequisites: BIOL 212, 311.*

**434 Neurobiology** An examination of the biology of nerve cells and nervous systems through lectures and discussion of recent research. Topics include cell biology of the neuron, synaptic interactions and the neural bases of learning and memory, the neural circuitry underlying behavior, and developmental neurobiology. Emphasis is placed on students' oral and written evaluations of scientific literature. *Prerequisites: BIOL 212, junior standing.* Not offered 2006-2007.

**453 Electron Microscopy** Introduction to laboratory techniques and instrumentation used in the examination of biological ultrastructure. Student projects that demonstrate how electron microscopy is used to study biological structure and function are required. *Prerequisites: BIOL 212, junior standing, permission of instructor.* Offered every other year; offered Spring 2007.

**472 Animal Behavior** An introduction to the principles of ethology emphasizing the function and evolution of behavior. Laboratory and field projects illustrate major concepts of behavior and acquaint students with current ethological methods. *Prerequisites: BIOL 111, 112, 211 and permission of instructor.* Offered Spring semester only.

**477 Marine Biology** The marine environment encompasses 99% of the Earth's biosphere and contains an incredible diversity of microbial, algal, and animal life forms. This course examines the biology of these organisms and the abiotic (e.g., salinity, nutrients, water currents and tides) and biotic factors (e.g., competition, predation, symbiosis) that influence their distribution and abundance. Specific topics include primary and secondary production, rocky intertidal biodiversity, estuaries, subtidal communities, coral reefs, pelagic and deep sea communities, impacts of humans on the ocean, and conservation. Lecture periods include discussions of primary literature and student presentations. Laboratory sessions involve field work, laboratory analyses, report

writing, and multimedia presentation of project results. *Prerequisites: BIOL 111, 112, and 211. GEOL 105 recommended.* Offered Fall semester only.

**490 Directed Research** Credit, variable up to 2 units This course provides a laboratory/field research experience for seniors under the direction of a faculty mentor. Students may initiate a project or join a research project in the mentor's lab. Student and mentor fill out a departmental contract. A written research paper and an oral or poster presentation must be submitted for a final grade. Students are strongly encouraged to take BIOL 399 before choosing a research project. May be repeated once for credit. *Prerequisite: Permission of instructor.* Offered each semester, including summer.

**491 Senior Thesis** Credit, variable up to 1 unit Students must write a research proposal, carry out the research, write a thesis, and present a public seminar on their research. The projects are done under the supervision of a faculty research advisor. Details and application forms can be obtained from faculty research advisor or department chair. *Prerequisites: BIOL 392 and permission of instructor.* Offered each semester, including summer.

**495 / 496 Independent Study** Credit, variable up to 1 unit Study of a specific topic under the supervision of a faculty member. The topic must be agreed upon and described in a proposal to the department. Details and application forms can be obtained from faculty, independent study advisor, or department chair. The results of all independent studies must be reported in the form of a written paper. *Prerequisite: Permission of instructor.*

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## SCHOOL OF BUSINESS AND LEADERSHIP

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Professor: Keith Maxwell; James McCullough, *Director and George Frederick Jewett Distinguished Professor*

Associate Professor: Alva Butcher, *Nat S. and Marian W. Rogers Professor in Business and Leadership* (on leave Spring 2007); Lynda Livingston; Jeffrey Matthews, *Director, Business Leadership Program* (on leave Spring 2007; Paula Wilson

Assistant Professor: Lynnette Claire; Lisa Johnson (on leave Spring 2007); Susan Stewart; Nila Wiese

### About the School

The mission of the School of Business and Leadership is to provide students with a unique and innovative business education that prepares them for success as leaders in a complex and dynamic global environment.

The program of the School of Business and Leadership incorporates business fundamentals (management, marketing, finance, accounting, law and ethics) while strengthening its ties to other academic units on campus to fulfill the overall mission of the liberal arts goals of the university. The courses and pedagogy emphasize effective writing, oral communication, problem-solving, case analysis, and research methods. Through emphasis on critical thinking and written and oral communication, students are trained to logically formulate and investigate questions relevant to the marketplace and managed organizations. Electives in the humanities and social sciences allow students to develop an awareness of the relationship between the study of business and the study of other academic disciplines such as political science, economics, history, and literature.

This approach to undergraduate business education acknowledges the growing emphasis

on breadth and flexibility in global business. To complement the academic program students are encouraged to participate in off-campus experiences including internships, mentorships, international work and study, and field research and problem solving projects. Students who plan careers in business and non-profit organizations are well served by this innovative approach to business education with its focus on critical thinking and communication skills.

The School of Business and Leadership offers a Bachelor of Arts in Business degree. Within the program, the student may select a General Emphasis or a more specific track leading to an International Emphasis. Students can also apply to the selective Business Leadership Program (BLP). The BLP is distinguished by a unique curriculum that blends coursework in business and the liberal arts, and features seven special BLP-only classes. BLP students must participate in regional business field trips, an evening leadership speaker series, a professional internship, and a formal mentorship program.

Cross-disciplinary degrees are offered in conjunction with other departments. The Mathematics and Computer Science Department offers a degree in Computer Science/Business and the School of Music offers one in Music/Business. See the sections for these departments in this *Bulletin* for additional information.

The Cooperative Education Program and the Internship Program supplement the curriculum by enabling students to apply concepts and theories to actual working situations. Placements and registration requirements are coordinated through Career and Employment Services.

### General Requirements for the Major or Minor

General university degree requirements stipulate that 1) at least four units of the major or three units of the minor be taken in residence at Puget Sound; 2) students earn a GPA of 2.0 in courses taken for the major or the minor; and 3) all courses taken for a major or minor must be taken for graded credit. Any exceptions to these stipulations are indicated in the major and minor degree requirements listed below.

### Bachelor of Arts in Business: General Emphasis

Twelve units to include:

1. Preparatory courses (2 units): ECON 170 (students should note that this may also be used to satisfy the core requirement in Social Scientific Approaches) and Mathematical Approaches).
2. Foundation Courses (5 units): BUS 205, 290, 305, 310, 315
3. Advanced Electives (4 units):  
Category A (2 units): BUS 352, 360, 371, 372, 375, 385, 402, 407, 414, 416, 431, 432, 434, 435, 441, 443, 451, 470, 493.  
Category B (2 units): Students are required to complete two units of coursework outside the School of Business and Leadership (SBL) from selected courses in the humanities and social sciences. Courses must be pre-approved by the student's SBL academic advisor (or the SBL Director if the student does not have a SBL academic advisor) in consultation with the student regarding educational and career goals.  
**Note:** Courses used to satisfy Category A or B requirements may not also be used to satisfy a university core requirement.
4. Senior integrative seminar: (1 unit) BUS 490.

See "Notes on the Major" below



## Bachelor of Arts in Business: International Emphasis

Twelve units to include:

- 1 Preparatory courses (2 units): ECON 170 (students should note that this may also be used to satisfy the core requirement in Social Scientific Approaches) and MATH 160 or MATH 260 (students should note that this may also be used to satisfy the core requirement in Mathematical Approaches).
2. Foundation Courses (5 units): BUS 205, 270, 290, 315, 335.
3. Advanced Electives (4 units):  
Category A (2 units): Two international BUS courses: BUS 320 and one of the following, BUS 371, 372, 375, 435, 470, or 493  
Category B (2 units): Students are required to complete two units of coursework outside the School of Business and Leadership (SBL) from selected courses in the humanities and social sciences. Courses must be pre-approved by the student's SBL academic advisor (or the SBL Director if the student does not have a SBL academic advisor) in consultation with the student regarding educational and career goals.  
**Note:** Courses used to satisfy Category A or B requirements may not also be used to satisfy a university core requirement.
3. Senior integrative seminar: (1 unit) BUS 490.
4. Competency in a modern foreign language through the 202 level.
5. An international experience which may or may not be credit bearing.

### Notes on the Major

1. BUS 205 is a prerequisite for foundation courses: BUS 305, 310, 315, 320, 335.
2. ECON 170 is a prerequisite for BUS 310.
3. ECON 170 and MATH 160 or MATH 260 are prerequisites for BUS 315.
4. Prior to enrolling in the Senior Integrative Seminar, the student must have completed the five foundation courses, one advanced BUS elective, and one advanced non-BUS elective.
5. To enroll in a Category B Advanced Elective, a student should have completed (or be concurrently enrolled in) at least two of the BUS foundation courses.
6. Only courses for which the student has received a C- or better can count for the major.
7. Transfer students choosing to major in the School of Business and Leadership should meet with the Director to determine transferability of business courses completed elsewhere.
8. A minimum of five BUS courses towards the major must be completed in residence at Puget Sound, or a waiver approved.
9. Students planning to pursue a graduate degree in business, such as an MBA, are encouraged to take calculus.

### Requirements for the Minor

Six units to include

1. Economics. ECON 170. Students should note that this may also be used to satisfy the university core requirement in Social Scientific Approaches.
2. Statistics. MATH 160 or MATH 260. Students should note that this may also be used to satisfy the university core requirement in Mathematical Approaches.
3. BUS 205, 305, 310, 315.

### Note on the Minor

Only courses for which the student has received a C- or better can count for the minor.

## Bachelor of Arts in Business - Business Leadership Program

The Business Leadership Program is a four-year program for students selected on the basis of intellectual abilities, motivation, and demonstrated potential for leadership in business. Students receive the Bachelor of Arts in Business degree.

*Special application to the Program should be made during a student's senior year in high school.* Sophomore-level admission to the Business Leadership Program is possible, but contingent on space availability. Interested freshmen should contact the School of Business and Leadership during the second semester of their freshman year to obtain application requirements.

Additional information is available from the School of Business and Leadership. Please write directly or request an application form from the Office of Admission when applying to the university. Continued participation in the Program is subject to academic performance as well as suitable participation in all aspects of the Program.

The academic objectives of the Program are to

- a. Develop skills in written and oral communication;
- b. Develop the ability to think logically and analytically;
- c. Instill the vocabulary of business.

These objectives are fulfilled within a liberal educational environment where, in addition to the business courses, extensive coursework in other areas is required. Additionally, the student is required to have contact with business executives (including a mentor) and participate in an internship.

### Requirements

1. Politics and Government (1 unit): PG 101, 102, or 103
2. Quantitative (2 units): MATH 160 or MATH 260, and one course selected from MATH 170, 180, or 181. Must be taken prior to or concurrently with BUS 310; must be completed before enrollment in BUS 315.
3. Economics (2 units): ECON 170 (must be taken prior to or concurrently with BUS 310; must be completed before enrollment in BUS 315) and one additional unit at 200-400 level.
4. A one-unit upper-division course which addresses socio-economic change in response to external forces, including advances in technology, science, social structures, etc. A representative sampling includes CSOC 316, 352; HIST 346, 357, 385. The course must be pre-approved in consultation with the student's academic advisor. A course used to satisfy this requirement may not also be used to satisfy a university core requirement.
5. Business and Leadership (8 units): BUS 205, 290, 305, 310, 315, 385, 490; one additional unit at 300-400 level; and satisfactory completion of the leadership seminar to include BUS 101, 201, 301, 401 (no credit).
6. Internship (no credit)
7. BLP Students following the International Emphasis are strongly encouraged to take ECON 371 (International Economics) and are required to have:
  - a. competency in a modern foreign language through the 202 level
  - b. an international experience, which may include study abroad, a formal internship abroad, or academic research abroad
  - c. a minimum of two international business courses.

BLP students will enroll in special sections of MATH 160, ECON 170, BUS 205, 305, 310, 315, and 385

## Special Considerations for Business Leadership Program students

Once admitted to the Business Leadership Program, students continue as long as they

- a. Register and regularly attend BLP seminars (BUS 101, 201, 301, 401), freshman through senior years (Fall and Spring);
- b. Regularly meet with their mentor; sophomore through senior years;
- c. Maintain a minimum cumulative GPA of 3.0 in all university work. In cases where performance falls below this level, students will have a probationary period to bring the cumulative GPA back up to 3.0 or be dismissed from the Program.

For university policy regarding Advanced Placement credit, please see the Admission section of this *Bulletin*.

## Course Offerings

Unless otherwise specified, each course carries 1 unit of credit and is offered at least once each academic year. Please see “Frequency of Course Offerings” on page 17.

**First-Year Seminars.** See *First-Year Seminars in the Core Curriculum* section of this *Bulletin* for course descriptions (pages 17 and 29).

### *Scholarly and Creative Inquiry*

#### **110 Business and the Natural Environment**

### **Other courses offered by SBL faculty**

#### **CONN 381, Environmental Law**

Satisfies the Connections core requirement

#### **CONN 390 Black Business Leadership: Past and Present**

Satisfies the Connections core requirement

#### **CONN 448, Work and Well-being: Stress and Health in the Workplace**

Satisfies the Connections core requirement

**101 Business Leadership Seminar** No credit The Business Leadership Seminar meets between 7-10 times per semester and offers the student an opportunity to network with representatives from regional businesses and to learn how they operate and about their strategies and positioning in the marketplace. Guest speakers in the Business Leadership Seminar also discuss careers in various business fields and functional areas such as accounting, marketing, and human resource management. Speakers present information on current leadership topics and practices and provide a perspective on the theories and tools studied in classes. Some seminars are devoted to the particular needs of each BLP class. Career assessment and leadership activities as well as readings in business topics are required. Pass/fail grading only. *Prerequisite: Admission to the Business Leadership Program.*

**201 Business Leadership Seminar** No credit See description for BUS 101.

**205 Principles of Financial and Managerial Accounting** In this introductory course, students examine the role of accounting in society and business. Students study the basic concepts and tools of accounting with a focus on the use of information to support decision making. The course is more or less equally divided between managerial and financial accounting. The study of managerial accounting focuses on the information needed to create and execute a company’s strategy. The study of financial accounting examines the preparation, use, and analysis of the

information required of publicly traded corporations in the United States. Students also discuss the complexity of U.S. accounting rules (US GAAP) and the latitude managers have in financial reporting. *Prerequisite: Sophomore standing or permission of instructor.*

**270 Business in the International Context** The overall purpose of the course is to bring students to an awareness of business firms as principal actors in the contemporary international economic/political/social system. It combines insights from economics, politics and government, law, social psychology, and anthropology, with decision-making and organizational theory within the context of the firm faced with rapidly internationalizing markets for both products and factors of production. A second purpose is to introduce students to different theoretical perspectives of the business function and to apply these so as to provide insight into the realities of contemporary global society. The emphasis throughout is on system analysis up to and including analysis of international trade, business environment, and ethics. A term project is required, which culminates in both oral and written presentations.

**280 Personal Finance** This course is a primer in sound personal financial management. Students are introduced to the financial challenges that occur over a lifetime: managing credit, evaluating mortgages and installment loans, identifying and meeting insurance needs, investing in the financial markets, and planning for retirement. Fundamental techniques for handling these challenges, such as discounting and diversification, are developed. Finally, while current products and strategies are discussed and evaluated, the dynamic nature of the financial environment is stressed, and application of the basic techniques to new situations is emphasized. Usually offered in Summer Session.

**290 Law and Ethics in the Business Environment** This course introduces students to the external constraints that society places on business activity and behavior. The most obvious are those constraints imposed by law in its various forms: case law from courts, statutory law from legislatures, and regulations from government agencies. However, in addition to these formal systems there are the informal, but extremely powerful constraints imposed by generally accepted moral beliefs and norms of ethical behavior. In this course students explore the relationship between legal and ethical standards to critically analyze and evaluate the behavior of business owners, managers, and employees. *Prerequisite: Sophomore standing.*

**301 Business Leadership Seminar** No credit See description for BUS 101.

**305 Principles of Management** A broad introduction to the field of management including such topics as planning, motivation, group dynamics, decision-making, organizing, and group organizational change. The course includes case studies and group assignments. Students who have received credit for BUS 320 may not receive credit for BUS 305. *Prerequisite: BUS 205.*

**310 Principles of Marketing** This course is designed to introduce students to marketing concepts that are fundamental to the decision-making processes of marketing management. Students have ample opportunities to apply these concepts to problem situations and projects. In this way, students begin to develop some facility for making decisions that marketers typically face. Students who have received credit for BUS 335 may not receive credit for BUS 310. *Prerequisites: BUS 205 and ECON 170.*

**315 Principles of Financial Management** This course introduces students to fundamental issues in both corporate financial management and investment management. Students learn to evaluate financial assets such as stocks and bonds and to characterize the markets in which these assets

trade. They then learn how a corporate financial manager can employ these assets to fund profitable investment opportunities. Review and reinforcement of quantitative techniques is an important focus of the course, and students should leave with the mathematical proficiency necessary to succeed in their senior-level integrative seminar. *Prerequisites: BUS 205, MATH 160 or MATH 260, ECON 170.*

**320 International Management** This course introduces students to the field of management with a focus on strategies and functions of firms engaged in international activities. Topics include planning, motivation, group dynamics, decision-making, organizing, and organizational change. Students who have received credit for BUS 305 may not receive credit for BUS 320. *Prerequisite: BUS 205 or permission of instructor.*

**335 International Marketing** This course introduces students to marketing concepts that are fundamental to the decision-making process. These concepts are compared in the international and domestic environment. Students who have received credit for BUS 310 may not receive credit for BUS 335. *Prerequisite: BUS 205 or permission of instructor.*

**352 Human Resource Management** The theory and practice of personnel administration and human resource management, including recruiting, selection, compensation, performance appraisal, training, and labor-relations. *Prerequisite: BUS 305 or 320.*

**360 Issues in the Legal Environment of Business** This course examines current issues in business law and provides an in-depth examination of the most common and important legal issues arising from the creation, ownership, and management of modern economic enterprises. Students will participate in a substantial project and presentation. *Prerequisite: BUS 290.*

**371 International Business in Asia** A study of the international business environment addressing the cultural, economic, historical, and political impacts of business in the nations of East Asia.

**372 Business in Latin America** This course provides students with an understanding of the business environment and business practices in Latin America. An emphasis is placed on developing knowledge and skills relevant to the development of business strategies appropriate to Latin American markets, while exploring future growth scenarios in specific industry sectors and geographic areas.

**375 Issues in International Business** This seminar touches upon the following subject areas: modern European political-economic historical development that led to the organization of the European Union; examination of the major institutions of the Community; an analysis of ongoing issues (such as the evolution of the euro as a common EU currency; a common agricultural policy; a common foreign policy; the harmonization of national laws; establishment of common standards; freedom of movement, residence, and employment). Sessions are also devoted to an examination of the EU's external relations (political, trade, military) and to European organizational and managerial styles. *Prerequisite: Junior or senior standing.* Not offered 2006-2007.

**385 Paradigms of Leadership** This course provides students with an introduction to the art and science of the leadership process. It is not limited to business leadership. Topics include organizational culture and climate, motivation, performance, power, tactics, ethics and values, personality traits, and intelligence. Students develop skills necessary to effectively analyze historical, contemporary, and even fictional leadership case studies. A primary aim is to help prepare students to meet the challenges of "life's leadership situations."

**401 Business Leadership Seminar** No credit See description for BUS 101.

**402 Business Research** A study of the techniques and tools used in business research and their applications. The course covers the study of, need for, and use of these research methods; the techniques of research, the generation and use of primary data, the location and use of secondary data; the analysis of the data; and the interpretation and presentation of the results. *Prerequisites:* BUS 305 or 320 or 310 or 335 or 315 or permission of instructor; MATH 160 or 260 or PSYC 201. Not offered 2006-2007.

**407 Professional and Personal Ethics** Develops skills for moral decision-making in students' professional and personal lives. Students explore and compare styles of moral reasoning based on the differing premises of duty, consequentialism, and virtue ethics. Students participate in rigorous examination of their own beliefs, values, and personal epistemology so they can assess their moral reasoning and compare it to that of others. *Prerequisite:* Senior standing. Not offered 2006-2007.

**414 Managerial Accounting and Decision Making** This course continues the study of information used by managers of organizations to create and execute strategy. Topics include various costing methods, constraints management, budgeting, strategic pricing, and customer profitability analysis. The course also introduces total quality management, lean accounting, and environmental accounting. *Prerequisite:* BUS 205. *Recommended preparation:* BUS 305 or 320, 310 or 335, 315. Not offered 2006-2007.

**416 Financial Statement Analysis** In this course, students develop an analytical framework that can be used to understand and evaluate business financial statements. Students compute and interpret key financial ratios as indicators of an organization's performance and financial health and learn to "read between the lines" of financial statements. Students develop an appreciation for the complexity of US accounting rules, an awareness of emerging international accounting standards, and an understanding of the latitude managers have in presenting the results of their organizations to outsiders. Finally, students perform accounting, business, and financial analysis on a publicly traded company. *Prerequisite:* BUS 205, 315.

**431 Financial Markets** This course covers the operation and structure of financial markets, financial instruments, and the major financial and nonfinancial participants in the financial markets. Topics include market efficiency, the role of the Federal Reserve System, the determination and significance of interest rates, and the financial futures markets. *Prerequisite:* BUS 315 or permission of instructor.

**432 Investments** Marketable financial papers such as common stock, bonds, preferred stock, options, commodity contracts. These assets, the markets in which they are traded, valuation of the asset, construction of a portfolio of different investments, and the economic factors affecting investment management are analyzed in the course. *Prerequisite:* BUS 315 or permission of instructor.

**434 Advanced Topics in Corporate Finance** Corporate finance is concerned with a corporation's acquisition and allocation of capital. This course builds on the foundation laid in BUS 315, learning how to identify projects that increase shareholder's wealth, how to determine the mix of debt and equity that should comprise a firm's capital structure, how to estimate the cost of a firm's capital, and how to divide corporate profits between retained earnings and dividends. It also considers agency theory, the market for corporate control, leasing analysis, mergers and acquisitions,

valuation, and derivatives. The course includes extensive use of cases and readings from professional journals. *Prerequisite: BUS 315.*

**435 International Finance** This course examines financial issues faced by managers of firms that are engaged in international business and provides a conceptual framework within which key financial decisions can be analyzed. Current issues in the international market and real-life problems in decision oriented cases are analyzed. *Prerequisite: BUS 315 or permission of instructor.* Not offered 2006-2007.

**441 Promotional Strategy** Treats advertising and personal selling as part of an overall promotional process. The course emphasizes managerial issues and problems of promotional strategy. *Prerequisite: BUS 310 or 335.* Not offered 2006-2007.

**443 Consumer Behavior** Buyer behavior is concerned with the study of those activities that are related to the pre-purchase, purchase, and post-purchase processes. An in-depth analysis of the components of a specific model of buyer behavior is made in order to illustrate and integrate theoretical and empirical knowledge in this field. Emphasis is placed upon the evaluation of the relevance of such data and the application of what is learned in the classroom to the solution of real world marketing problems. *Prerequisites: BUS 310 or 335 and MATH 160 or 260 or PSYC 201.*

**451 Organizational Behavior** This experiential course is designed to allow students ample opportunity to practice building managerial skills in a safe learning environment. The focus is on developing effective skills in areas such as: self-awareness, oral and written communications, interviewing, creative problem-solving, running effective meetings, planning and goal setting, resolving conflicts, coaching and developing employee negotiating, and giving and receiving feedback. *Prerequisite: BUS 305 or 320; or Psychology or Communication Studies majors with junior standing; or permission of instructor.*

**470 International Business Environments** The purpose of the course is to develop student skills in perceiving the underlying dynamics of social change and, hence, be in a better position to understand how the firm might best interact with its environment. This course does not focus on the firm, except incidentally, but rather on the dynamics of the environments which surround it in international markets. *Prerequisites: BUS 305 or 320, or IPE major, or FLIA major, or permission of the instructor, and junior or senior standing.* Not offered 2006-2007.

**490 Senior Integrative Seminar: Case Analysis and Research** This capstone course provides an understanding of strategic policy issues. The course provides the student with an opportunity to integrate all of the skills acquired in the prior coursework in a macro decision-making experience. It has as its primary objective the development of skills in business policy analysis and business strategy formulation using such techniques as writing analyses of cases, preparing formal recommendations to case problems, field studies, and writing a formal case study on one organization. Students work independently and in teams to make reasoned judgments and defend those judgments in discussion and case analysis. *Prerequisites: BUS 205, 305 or 320, 310 or 335, 315; one Category A (business) Elective; one Category B (humanities or social science) Elective; and senior standing.*

**493 Special Topics** This seminar is organized around topics that reflect the particular field of research or expertise of the instructor. Each offering is on a unique topic. Offered as needed. May be repeated.

## Career Development / Chemistry

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**495 Independent Study** An independent study allows a student to pursue a specific topic not covered in existing courses under the supervision of a faculty member. A written proposal must be submitted and agreed upon by the faculty independent study advisor. No more than one independent study may be applied toward a specific major or minor in business.

**497 / 498 Internship** Application of organizational, analytical, and communication skills in understanding problems in the public or private sector through on-the-job work experience. Supplemented with scheduled seminar discussions. Actual placements are determined in consultation with the department faculty. *Prerequisite: Approval of the Internship Coordinator (see description on page 281 of this Bulletin).*

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### CAREER DEVELOPMENT

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**203 Career Awareness** 0.5 activity unit Using a liberal arts education as a foundation, this class provides the opportunity for students to explore personal values, skills, and interests, and their relationship to career choices. Designed for individuals who have started to focus on career exploration and are ready to delve deeper, an emphasis is placed on career development and the decision-making process that can be used throughout the student's lifetime. Topics include self-assessment, career exploration, and job search strategies including résumé writing and interview preparation techniques. Course available through Career and Employment Services. Pass/fail only.

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### CHEMISTRY

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Professor: William Dasher (on leave Spring 2007); John Hanson; Steven Neshyba; Kenneth Rousslang, *Acting Chair, University Professor of Natural Sciences*; Thomas Rowland

Associate Professor: Johanna Crane, *Chair* (on leave 2006-2007); Eric Scharrer (on leave 2006-2007)

Assistant Professor: Vivian Feng (on leave 2006-2007); Christine Smith

Visiting Assistant Professor: Daniel Burgard; James Kabrhel; Jeffrey Root

Instructor: Timothy Hoyt

#### About the Department

The Chemistry Department offers a broad-based curriculum designed to meet the needs of a variety of students, from those taking only one or two chemistry courses in order to broaden their liberal arts background to those majoring in chemistry in preparation for a career in the chemical sciences. The department is approved by the American Chemical Society and offers degrees that are appropriate for students interested in careers in chemistry, medicine, dentistry, engineering, science teaching, or any other area where a scientific background would be valuable. Students are encouraged to consult with members of the department as they plan their undergraduate programs and to discuss career options in the sciences.

The expertise of the chemistry faculty covers all five major chemical sub-disciplines: analytical chemistry, biochemistry, inorganic chemistry, organic chemistry, and physical chemistry. In addition to core courses in these major areas, faculty members teach upper-level courses on a variety of special topics including atmospheric chemistry, computational chemistry, group theory, natural products chemistry, polymer chemistry, and various forms of spectroscopy. Faculty members are also engaged in a wide range of research projects and all students seeking the BS



degree participate in this research and produce a thesis based on their work.

In addition to being introduced to modern chemical knowledge and the role of chemistry in society, students in chemistry courses learn to think analytically and logically. As students move through upper-level courses, they develop the ability to critically assess work in the field and the attitude necessary to cope with the demands of independent inquiry. Students enrolled in chemistry courses also learn how to

1. rationalize and predict chemical behavior based on chemical principles;
2. apply laboratory methods to investigate chemical phenomena and synthesize compounds in a safe and environmentally responsible manner;
3. operate modern analytical instruments and to interpret the data obtained from these instruments;
4. use computers for collection and analysis of chemical data and the modeling and visualization of chemical structures and properties;
5. communicate effectively in both written and oral forms typical of the chemical literature and professional conferences;
6. search and use the chemical literature.

## General Requirements for degrees in Chemistry and Biochemistry

The Chemistry and Biochemistry degrees offered at UPS have much in common. Both are rooted in fundamentals of chemistry that include chemical thermodynamics and atomic structure, chemical analysis, organic chemistry, and laboratory techniques. Both degrees provide students the opportunity to study advanced topics in chemistry. The Biochemistry degree emphasizes the chemical basis of biological systems, with students developing skills in interdisciplinary inquiry that include cell biology, genetics, molecular biology, and biochemical laboratory techniques. In contrast, the Chemistry degree places more emphasis on advanced instrumental analysis, quantum mechanics, spectroscopy, and inorganic chemistry.

## General Requirements for the Major or Minor

General university degree requirements stipulate that 1) at least four units of the major or three units of the minor be taken in residence at Puget Sound; 2) students earn a GPA of 2.0 in courses taken for the major or the minor; and 3) all courses taken for a major or minor must be taken for graded credit. Any exceptions to these stipulations are indicated in the major and minor degree requirements listed below.

### Requirements for Bachelor of Arts Degree

1. PHYS 121, 122;
2. MATH 180, 181, 280;
3. CHEM 110, 230, 250, 251, 340, 341, 342, 420;
4. One-half unit Chemistry elective at the 300 or 400 level;
5. Participation in CHEM 493, Seminar.

### Requirements for Bachelor of Science Degree

1. PHYS 121, 122;
2. MATH 180, 181, 280;
3. CHEM 110, 230, 250, 251, 330, 340, 341, 342, 420, 490 (1 unit);
4. One-half unit Chemistry elective at the 300 or 400 level;
5. Participation in CHEM 493, Seminar.

## Requirements for Bachelor of Science Degree in Biochemistry

1. PHYS 121, 122
2. MATH 180, 181, 280
3. CHEM 110, 230, 250, 251, 340, 460, 461
4. BIO 111, 212, 311
5. One of CHEM 330, 341 or 420
6. One unit of a 300- or 400-level CHEM or BIOL elective (BIOL 361 may not be used to satisfy this requirement)

## Requirements for the Minor

1. CHEM 110, 230, and 250;
2. Two units of Chemistry electives numbered 251 or above.

### Notes:

1. The student must have a grade of C or higher in all courses for the major or minor.
2. Students wishing to obtain an American Chemical Society certified degree should complete the BS requirements and include CHEM 460 as an elective.
3. The Chemistry Department reserves the right to determine a time limit, on an individual basis, for the acceptability of courses into a major or minor program.
4. Majors in Biochemistry are encouraged to participate in undergraduate research in the Chemistry or Biology Departments.
5. Biochemistry majors may not earn additional degrees in Chemistry or in Molecular and Cellular Biology.

## Course Offerings

Unless otherwise specified, each course carries 1 unit of credit and is offered at least once each academic year. Please see “Frequency of Course Offerings” on page 16.

**First-Year Seminars.** See *First-Year Seminars in the Core Curriculum* section of this Bulletin for course descriptions (pages 17 and 29).

### *Scholarly and Creative Inquiry*

#### **150 The Great Flood**

**110 / 111 Fundamental Chemistry I, II** 1 unit each A two-semester, introductory course designed to give solid introduction to chemical principles while demonstrating the many roles chemistry plays in modern society. The laboratories emphasize reasoning and the methods of science. The first semester emphasizes matter and energy and covers the topics of subatomic structure, atomic structure, molecular structures, and states of matter. The second semester emphasizes molecular dynamics and covers reaction rates, equilibria, stoichiometry, acids-bases, oxidation-reduction, electrochemistry, and aspects of organic chemistry and biochemistry. Both CHEM 110 and CHEM 111 satisfy the Natural Scientific Approaches core requirement. CHEM 110 is offered each year. CHEM 111 is offered in alternate years; not offered 2006-2007.

**230 Chemical Analysis and Equilibrium** This course is the second semester of the introductory course for those students planning a science major. Concepts include the following: equilibria in aqueous solutions, stoichiometry of analytical reactions, criteria for choosing appropriate methods, electrochemistry, kinetic methods, transition metal chemistry, and spectroscopy. Laboratory experiments are designed to demonstrate the previous concepts and to make students more profi-

cient in the elementary techniques of analytical chemistry. *Prerequisite:* CHEM 110. Satisfies the Natural Scientific Approaches core requirement. Offered each Spring.

**250 / 251 Organic Chemistry I, II** 1 unit each These courses cover the basic chemistry of carbon-containing molecules. Modern principles of chemical bonding are used to develop an understanding of the structure of organic molecules and the reactivity of organic compounds. Thus, the course is organized along the lines of reaction mechanisms rather than by functional groups. The laboratory portion of the course introduces the student to the various techniques involved in the isolation, identification, and synthesis of organic compounds. The laboratory parallels the course lectures so that there is a practical application of theoretical principles. Extensive use is made of chromatographic and spectroscopic techniques. *Prerequisite:* CHEM 111, 230 or equivalent. Each course satisfies the Natural Scientific Approaches core requirements. Offered each year.

**320 Chemistry of the Elements** Periodic and group relationships are linked by structure, bonding, and reactivity in order to provide an overall survey of the chemistry of the elements. Details such as properties and applications of selected elements are examined using the current scientific literature. *Prerequisite:* CHEM 251.

**330 Instrumental Analysis** Introduction to basic theory and applications of modern instrumental methods of analysis. Includes an introduction to electronics, ultraviolet, visible, infrared, mass, nuclear magnetic resonance spectrometry; atomic absorption and flame emission; chromatography, electrochemical, and radio-chemical methods. *Prerequisites:* PHYS 122, CHEM 340 (or concurrent registration) or permission of the instructor.

**340 Physical Chemistry I** Chemical thermodynamics and its applications to macroscopic systems. Analysis of microscopic properties of atoms and molecules using kinetic molecular theory with emphasis on Maxwell-Boltzmann distribution functions. *Prerequisites:* MATH 181, PHYS 121. MATH 280 is strongly recommended.

**341 Physical Chemistry II** Introduction to quantum mechanics with applications to molecular spectroscopy. Statistical thermodynamics linking microscopic and macroscopic chemical behavior. Introduction to group theory. Should be taken concurrently with CHEM 342. *Prerequisites:* CHEM 340, MATH 280. MATH 290 is strongly recommended.

**342 Physical Chemistry Lab** 0.5 unit Laboratory experiments emphasizing fundamental instrumentation and theory associated with physical chemistry. Should be taken concurrently with CHEM 341.

**345 Chemistry and Physics of Atmospheres** The main work of the course is to understand the Earth's atmosphere from the perspective of physical chemistry. Tools include the use of thermodynamics to understand global atmospheric circulation, and quantum mechanics to interpret the spectra of atmospheric gases and aerosols. Applications include the interpretation of remote sensing data, with a focus on selected topics in the Earth climate system, including anthropogenic influences. The course concludes with a brief survey of other planetary atmospheres and atmospheric evolution. *Prerequisites:* CHEM 230 or 111, MATH 280. CHEM 340 is strongly recommended. Offered occasionally; offered Fall 2006.

**355 Spectroscopic Determination of Structure** A laboratory-oriented course providing an in-depth background in the principles and instrumental operating procedures required to

# Chemistry

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identify organic compounds utilizing UV, VIS, IR, NMR, and mass spectrometry. *Prerequisite: CHEM 251.* Offered occasionally; not offered 2006-2007.

**357 Organometallic Chemistry** This course focuses on the fundamental reactivity of organo-transition metal complexes. Topics include oxidative addition, reductive elimination, and the unique behavior of compounds possessing metal-carbon bonds. Applications of organometallic chemistry to industrial catalysis and organic synthesis are also discussed. *Prerequisite: CHEM 251.* Offered occasionally; not offered 2006-2007.

**361 Natural Products** Natural products are biologically-derived compounds, often called secondary metabolites. Major subclasses of natural products are the alkaloids, terpenoids, polyketides, and phenylpropanoids. This course deals with the history and chemistry of secondary metabolites, including biosynthetic pathways, modern medicinal usages, and synthetic analogues. Class interest dictates, in part, the examples chosen. *Prerequisite: CHEM 251.* Offered occasionally; not offered 2006-2007.

**390 Directed Research** credit, variable up to 1 unit Theoretical or experimental research done in an area of chemistry, with guidance from a mentor in the Chemistry department.

**420 Inorganic Chemistry** This course presents both theoretical and descriptive material on inorganic chemical compounds, synthetic and reaction strategies for important transformations. Typical topics covered are structure and bonding, inorganic reaction mechanisms, transition metal chemistry, electron deficient compounds, organometallic compounds, and the main group elements. Laboratory experiments illustrate common synthetic and characterization processes for inorganic compounds. *Prerequisites: MATH 181, CHEM 340, PHYS 122.*

**455 Computational Organic Chemistry** This course uses computer-based molecular modeling as a tool for understanding and predicting the structure, stability, and reactivity of organic compounds. Practical topics, such as selecting appropriate calculational methods, visualizing and analyzing results of calculations, and interpreting results in terms of the chemical behavior of the system under study are emphasized. The theoretical principles underlying various computational methods are discussed. *Prerequisite: CHEM 251.* Offered occasionally; offered Spring 2007.

**460 Physical Biochemistry** This course applies concepts of physical chemistry to the study of biological processes. The topics covered include protein and nucleic acid structure and stability, thermodynamics of protein folding, enzyme kinetics and instrumental techniques such x-ray crystallography, NMR and mass spectrometry. *Prerequisite: CHEM 251.* Offered every year; offered Fall 2006.

**461 Metabolic Biochemistry** This course explores the chemistry of various metabolic processes including glycolysis, citric acid cycle, oxidative phosphorylation, electron transport, fatty acid and amino acid synthesis and degradation, DNA synthesis, RNA synthesis and processing, and protein synthesis and processing. Particular attention is paid to the experimental approaches that have provided information about these processes. *Prerequisite: CHEM 460.* Usually offered every year; not offered 2006-2007.

**471 Advanced Topics in Physical Chemistry** This course is an upper division, post Physical Chemistry course designed to give the student a thorough theoretical background in advanced topics in physical chemistry, which may include group theory, molecular spectroscopy, and statistical mechanics. *Prerequisites: CHEM 340, CHEM 341, and PHYS 122; MATH 290 and MATH 301*

*strongly recommended.* Offered occasionally; not offered 2006-2007.

**472 Topics in Magnetic Resonance** This is an upper division course designed to provide an introduction to the quantum mechanical theory of magnetic resonance spectroscopy as well as an in-depth discussion of current techniques and their applications to organic, inorganic, and biochemical problems. The course includes experimental presentations by students utilizing the departmental Gemini 300 spectrometer. *Prerequisite: CHEM 341.* Offered occasionally; not offered 2006-2007.

**490 Senior Research Thesis** 0.5 or 1 unit Theoretical and/or experimental research done in an area of chemistry. The topic depends upon the student's interest; however, it should be compatible with a faculty member's area of expertise. Students must write and defend a thesis. Repeatable up to one unit. *Prerequisites: Senior standing, although students at all levels are considered individually.*

**493 Seminar** No credit This course offers the student the opportunity to hear guest speakers discuss a variety of subjects within the general discipline of chemistry. In addition, students also present reports on their undergraduate research efforts.

**495 Independent Study** Credit, variable Course offered to individual students and designed to meet their needs. The student may contact an instructor to arrange a program of study. Registration is confirmed by a written contract between the student and the instructor.

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## CLASSICS

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Professor: William D. Barry; David A. Luper, *Chair* and *James Dolliver National Endowment for the Humanities Distinguished Teaching Professor*

Associate Professor: Eric Orlin (on leave 2006-2007)

Assistant Professor: Aislinn Melchior

### About the Department

The pioneer of the interdisciplinary approach, the field of Classics encompasses the languages, literature, philosophy, and history of the Mediterranean from the second millennium BC to the fifth century AD. The Classics Department presents as wide a range of courses as possible in this diverse but fundamentally unified field.

In each of the course offerings in the Classics Department students explore cultural phenomena which lie at the root of our own experience. Modern Western languages, literature, philosophy, and history have carried within them the deep grain of a classical past, which is at once surprisingly familiar and intriguingly alien. In courses in ancient history, culture, and literature based on texts in translation, students use a wide range of sources and methods to work towards an understanding of the ancient Mediterranean, both on its own terms and in its relation to later cultures.

The Classics Department also offers courses in Latin and ancient Greek each year. Students learn the sounds and structures of the language and a basic reading vocabulary in introductory courses; in intermediate and advanced courses students develop their fluency and accuracy in reading and deepen their appreciation of style, rhetoric, and nuance. In all Latin and Greek courses, students also use the languages as a way of entering the heart of the vibrant world of classical antiquity. As an added bonus, students should gain from their study of either language valu-

able insights into the substance and structure of English and the modern European languages.

Students who complete a major or minor in Classics will progressively build a more complex and comprehensive understanding of the cultures of ancient Greece and Rome by studying them from a variety of angles, and by bringing a growing body of knowledge to bear on their studies. Students who major in Classics learn to conduct research and to develop a sustained argument on a focused topic informed by a broad understanding of the field.

## General Requirements for the Major or Minor

General university degree requirements stipulate that 1) at least four units of the major or three units of the minor be taken in residence at Puget Sound; 2) students earn a GPA of 2.0 in courses taken for the major or the minor; and 3) all courses taken for a major or minor must be taken for graded credit. Any exceptions to these stipulations are indicated in the major and minor degree requirements listed below.

## Requirements for the Major

Students considering applying to graduate school in Classics or a related field should consult with a member of the Classics faculty as soon as possible. Such students are strongly encouraged to choose the Language track and to take additional units of Greek and Latin.

### I. Greek or Latin Language Track: (10 or 11 units)

Six units of either Greek or Latin

OR

Five units of study in one language and two units in the other

CLSC 210, 222, 225, or 231

CLSC 211 or 212

One additional course in Classical Civilization (see list below) numbered 299 or above.

Senior Thesis (CLSC 400) or a capstone course (see list below), to be taken after both the required 200-level Classical Civilization courses and Latin or Greek 201 have been completed.

At least five major units must be completed at Puget Sound.

Since the Greek or Latin Language track requires at least five terms of Greek or Latin, students who begin the study of classical languages at Puget Sound must normally begin by the first semester of the sophomore year in order to complete the major by the end of their fourth year. Students who enter Puget Sound with some Latin or Greek should consult with the Classics Department about placement.

### II. Classical Studies Track: (10 units)

CLSC 210, 222, 225, or 231;

CLSC 211 or 212;

ART 360 or 361;

Three courses in either Greek or Latin;

Three additional courses in Classical Civilization (see list below), Greek, or Latin, at least two of which must be numbered 299 or above;

Senior Thesis (CLSC 400) or a Capstone course (see list below), to be taken after both the required 200-level Classical Civilization courses and Latin or Greek 201 or equivalent have been completed.

At least five major units must be completed at Puget Sound.

**Note:** Classical Studies Majors may meet no more than one unit of their Classical Studies requirements with coursework from a minor or second major. Majors may satisfy no more than two university core requirements from Classical Studies requirements.

## Requirements for the Minor (6 units)

Three courses in either Greek or Latin;

Two courses in Classical Civilization (see list below), Greek, or Latin, one of which must be numbered 299 or above;

A Capstone course (see list below), to be taken after at least 4 of the other minor requirements have been met.

**Note:** A student may use no more than one unit from his/her major field or another minor field to fulfill the requirements of the Classics minor. Minors may satisfy no more than two university core requirements from Classics minor requirements.

## Courses in Classical Civilization

- ART 360, Art and Architecture of Ancient Greece
- ART 361, Art and Architecture of Ancient Rome
- CLSC 210, Greek Mythology
- CLSC 211, History of Ancient Greece
- CLSC 212, Ancient Rome
- CLSC 222, Greco-Roman World
- CLSC 225, Gender and Identity in Greece and Rome
- CLSC 230, The Classical Tradition
- CLSC 231, Greek and Roman Epic: Genre and Meaning
- CLSC 301, Greek Tragedy
- CLSC 302, Pagans and Christians
- CLSC 304, The Ancient Novel
- CLSC 305, Inventing the Barbarian
- CLSC 308, Ancient Cities
- CLSC 375, Special Topics in Classics
- CLSC 390, Late Antiquity and the “Fall” of the Roman Empire
- CONN 315, Democracy, Ancient and Modern
- HUM 210, Power and Culture in Periclean Athens and Augustan Rome
- PHIL 215, Ancient Philosophy
- PHYS 299, The History and Practice of Ancient Astronomy
- PG 340, Classical Political Theory
- REL 253, Religion and Society in the Ancient Near East
- REL 352, Archaeology Abroad: Field Methods and Approaches

## Capstone courses

- CLSC 304, The Ancient Novel
- CLSC 308, Ancient Cities
- CLSC 375, Special Topics in Classics
- CLSC 400, Senior Thesis

## Course Offerings

Unless otherwise specified, each course carries 1 unit of credit and is offered at least once each academic year. Please see “Frequency of Course Offerings” on page 16.

**First-Year Seminars.** See *First-Year Seminars in the Core Curriculum* section of this Bulletin for course descriptions (pages 17 and 29).

### *Writing and Rhetoric*

**120 Persuasion and Power in the Classical World**

### *Scholarly and Creative Inquiry*

**104 Cleopatra: History and Myth**

**105 Homer**

**106 The Peloponnesian War: Athens at the End of the “Golden Age”**

## Other courses offered by Classics department faculty

**CONN 315, Democracy, Ancient and Modern**

Satisfies the Connections core requirement.

**HUM 121, Arms and Men: The Rhetoric of Warfare**

Satisfies the Humanistic Approaches core requirement.

**HUM 210, Power and Culture in Periclean Athens and Augustan Rome**

Satisfies the Humanistic Approaches core requirement.

**HUM 304, Ancients and Moderns**

**HON 150, History and the Construction of the Other**

Satisfies the Scholarly and Creative Inquiry core requirement.

**HON 211, Literature and the Construction of the Self**

Satisfies the Humanistic Approaches core requirement.

**210 Greek Mythology** This course explores the myths and legends of ancient Greece and the light they cast on Greek conceptions of men and women, civilization, nature, and the divine. The embodiment of myths in Greek literature and art is the central focus of the course, as is the role of myth in Greek religious ritual and belief. The course also takes note of the subsequent life of Greek myths in Roman, medieval, Renaissance and modern literature, art, and society and examines some of the principal modern theoretical perspectives on myth in general and Greek myth in particular. Satisfies the Humanistic Approaches core requirement. Offered every other year, offered Spring 2007.

**211 Ancient Greece** This course makes an odyssey through Greek political, social, cultural, and economic history from the Bronze Age (c. 1200 BCE) to the death of Alexander the Great (323 BCE). The emphasis is less on the chronicle of events than on understanding the changing nature of Greek society during this period. Major topics to be explored include the development of the city-state as a political unit; notions of equality in ancient Greece; and the simultaneous flourishing of the arts and building of an empire at Athens under Pericles. Students learn to use both archaeological remains and literary texts, including histories and poetry, to reconstruct the nature of Greek society. Satisfies the Humanistic Approaches core requirement.

**212 Ancient Rome** How did a small farming village on the banks of the Tiber River become mistress of an empire stretching from Britain to Egypt? This course explores the political institutions, social structures, and cultural attitudes that enabled Rome to become the world’s only



superpower at the time. One theme of the course is how that rise to power affected the lives of the Romans and how the Romans affected the lives of all those they encountered. Roman constitutional developments, the religions of the Roman world, and the connection between Roman culture (including art, literature, and popular entertainment such as gladiatorial games) feature prominently among the topics covered. Satisfies the Humanistic Approaches core requirement.

**222 The Greco-Roman World** A survey, through some of the most important writings, of the intellectual history of the ancient world. Texts from the time of Homer to St. Augustine are studied as reflections of the historical setting as the influences upon the character of our own time. Satisfies the Humanistic Approaches core requirement. Offered every other year; not offered 2006-2007.

**225 Gender and Identity in Greece and Rome** In large part women were written about in antiquity to serve as a mirror for their societies. By understanding the construction of women as oppositional or *not male*, we can actually learn a great deal more generally about views of gender and social norms in the ancient world. Although women in the ancient world only on the rarest of occasions speak for themselves, the strictures placed upon the behavior of both men and women and the expectations to which the sexes were urged to conform can be excavated from literary texts. This course attempts to provide sufficient historical understanding of the role of women in Greece and Rome to illuminate the context of the literary accounts. Readings are drawn from a wide range of authors including Homer, Aeschylus, Euripides, Aristophanes, Xenophon, Plato, Menander, Vergil, Livy, Tacitus, Seneca, and Perpetua. The goal is to examine women as the center of the household in both Greece and Rome and to untangle how this relates to their presentation as both victims and promulgators of violence. Satisfies the Humanistic Approaches core requirement. Offered every other year; not offered 2006-2007.

**230 The Classical Tradition** This course studies the enduring impact of what Edgar Allan Poe called “the glory that was Greece and the grandeur that was Rome.” Why have European and American writers, artists, composers and thinkers so often sought inspiration from classical antiquity in search for models, subject matter, ideas, and standards of beauty and excellence? The emphasis in this course is on literary genres (such as epic, tragedy, lyric, pastoral) and on themes of perennial human significance (such as underworld journeys, metamorphosis, and the mythical figures of Odysseus/Ulysses, Cassandra, and Orpheus). The course also examines the impact of the classical world upon the other arts, as well as upon European and American intellectual life in general. Satisfies the Humanistic Approaches core requirement. Offered every other year; offered Fall 2006.

**231 Greek and Roman Epic: Genre and Meaning** This course introduces the epic genre in Greece and Rome. The course concentrates on a selection of ancient epic poems including Homer’s *Iliad* and *Odyssey* and Vergil’s *Aeneid*. Students consider each epic as an individual cultural and artistic product, but also how later epics draw upon and respond to earlier ones. The gradually more complex understanding of the epic genre built into the class allows students to investigate how the Greek and Roman epics combine cosmology and human narratives in order to explore the place of human beings in the universe; the relationship between gods and mortals; and the connection between moral, social, or historical order and cosmological order. Satisfies the Humanistic Approaches core requirement. Offered every other year; offered Fall 2006.

**301 Greek Tragedy** This course offers an extensive and intensive look at the most impressive and influential surviving Greek tragedies. These plays are studied both as products of fifth century

BC Athens and as works of timeless power. Special attention is placed on the history of interpretation of Greek tragedy, from Aristotle's *Poetics* through Nietzsche's *Birth of Tragedy* to modern structuralism and beyond. Offered every other year; offered Fall 2006.

**302 Pagans and Christians** This course explores the history and the contemporary vitality of one of the Western world's most dramatic confrontations of major value systems: the struggle between Greco-Roman paganism and Christianity. In addition to studying its origins and early phases, the course explores two ways in which this conflict is still very much with us: first, as a major factor determining the shape which Christian values have taken in the post-classical world; secondly, as a regularly revived spiritual choice. The conflict between pagan and Christian values has consistently made and will continue to make a profound contribution to the ways we view such fundamental relationships as those between men and women, human beings and the natural world, and life and death. Offered every third year; not offered 2006-2007.

**304 The Ancient Novel** This course explores the Greek and Roman ancestors of the modern novel. Ancient prose fiction is steadily attracting more and more attention, for it opens many windows onto ancient attitudes towards gender, love and sexuality, religious belief and practice, and social relations. The ancient novels also happen to be fun to read, full of hairbreadth escapes, wide-ranging travel, intense and often conflicting emotions, complex and surprising events, and humor, sometimes delicate, sometimes shocking. Offered every third year; not offered 2006-2007.

**305 Inventing the Barbarian** What did it mean to be a "Greek?" a "Roman?" a "barbarian?" This course examines the ways in which the Greeks and Romans understood themselves and the peoples they encountered. The course begins by exploring ancient and modern theoretical discussion of race and ethnicity, and then proceeds through a number of case studies to see how the experiences of the Greeks and Romans contribute to this discussion. Questions to be considered include how far religion or language, culture or blood-ties can define a community, whether the ancients engaged in racial or ethnic stereotyping, and if so towards what end. An examination of how the concepts of race and ethnicity helped the Greeks and Romans to articulate their identities help us to see how those concepts have shaped our own society as well. Offered every third year; not offered 2006-2007.

**308 Ancient Cities** This course examines the history and architecture of the central institution of the Greco-Roman world, the city. The course focuses on the archaeological remains of cities throughout the ancient Mediterranean and addresses issues of the use of space in ancient town-planning and the political and ideological statements made by urban art and architecture. In addition to tracing historical changes in urban development, major topics of study include the city as an institution, the effect of urbanization on the lives of the inhabitants, and the interpretation of material remains. Offered every third year; not offered 2006-2007.

**311 Greek and Roman Comedy** This class surveys the surviving plays of Aristophanes, Menander, Plautus, and Terence. The class discusses the structural features of Old Comedy (such as the chorus and the parabasis), the canonical definitions of Old, Middle, and New comedy, as well as the revolution of style and taste that differentiates Menander from Aristophanes. In the mythic world of tragedy, mortal trespass results in tragic consequences. In comedy, on the other hand, the mortal realm – flawed, confused, and rudely physical – arrives at the curtain both victorious and fecund. The class looks at the ways in which comedy transgresses social norms and the role of the carnivalesque in ancient culture. Students need not know Greek or Latin but must be willing to perform in front of their classmates. Offered every other year; not offered 2006-2007.

**375 Special Topics in Classics** This seminar involves an in-depth examination of selected topics in the classical world. A different topic may be selected each time the class is offered in accord with the interests of the students and the expertise of the faculty. Relevant theoretical approaches and current research are explored. Students are responsible for research papers and presentations under close supervision of the faculty. Topic for Spring 2007: Seminar in Greco-Roman Religion. *Prerequisites: Two Classics courses numbered 200 or above, or permission of the instructor.* Offered every third year or as needed; offered Spring 2007.

**390 Late Antiquity and the “Fall” of the Roman Empire** This course explores the world of Late Antiquity and the problem of the “fall” of the Roman Empire. Students encounter a variety of perspectives on this period, but examine in some detail the impact of Christianity on the Empire, the Germanic invasions into the Western Empire in the fourth and fifth centuries, and the place of “moral decadence” in theories about the fall of the Empire. Offered every third year; not offered 2006-2007.

**400 Senior Thesis** This course provides the senior Classics major an opportunity to do independent research and to write a thesis on a topic in the ancient Mediterranean world. The student chooses the topic in consultation with a supervising instructor. Although the thesis is anchored in one discipline (e.g., history, art history, literature), the student is encouraged to take advantage of the multidisciplinary nature of the field.

#### 495 / 496 Independent Study

### Greek

**101 Introduction to Ancient Greek I** This course is an introduction to classical Greek; the Greek of Athens in the fifth and fourth centuries BC. Though primarily designed to provide an introduction to the language of Greek tragedy and philosophy, the course also serves as a foundation for reading Greek of the New Testament. Special emphasis is placed on the sound of Greek. Offered Fall term only.

**102 Introduction to Ancient Greek II** This course is a continuation of 101. The first third of the course is taken up with consolidation and completion of the introduction to basic grammar and syntax initiated in Greek 101. The rest of the class is devoted to a reading of Plato’s *Apology* and a reading of selections from Euripides’ *Alcestis*. *Prerequisites: 101 and 102 are sequential courses; 101 or permission of the instructor required for 102.* Offered Spring term only.

**201 Intermediate Greek** Review of grammar, readings of ancient authors. *Prerequisites: GRK 102 or permission of instructor.* Offered Fall term only.

**301 Advanced Greek Reading** Students read substantial selections from ancient authors. The majority of class time is spent on the study of the syntax, semantics, and stylistics of those readings in order to build students’ speed and accuracy in reading Greek, and to facilitate appreciation of the texts. In addition, students become familiar with the cultural contexts of their readings through discussion, brief lectures, secondary readings, and student reports and papers. Reading selections vary: they may be centered on the production of a single author, or organized around a cultural theme, literary genre, or historical event. *Prerequisites: GRK 101, 102, and 201, or equivalent.* May be repeated for credit.

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## Latin

**101 Elementary Latin I** Development of basic reading and writing skills. Offered Fall term only.

**102 Elementary Latin II** This course is a continuation of 101. *Prerequisites: 101 and 102 are sequential courses; 101 or permission of the instructor required for 102.* Offered Spring term only.

**201 Intermediate Latin** This course is a continuation of first-year Latin. After a brief grammatical review, students read selections from ancient authors. *Prerequisites: LAT 102 or permission of instructor.* Offered Fall term only

**301 Advanced Latin Reading** Students read substantial selections from ancient authors. The majority of class time is spent on the study of the syntax, semantics, and stylistics of those readings in order to build students' speed and accuracy in reading Latin, and to facilitate appreciation of the texts. In addition, students become familiar with the cultural contexts of their readings through discussion, brief lectures, secondary readings, and student reports and papers. Reading selections vary: they may be centered on the production of a single author, or organized around a cultural theme, literary genre, or historical event. *Prerequisites: LAT 101, 102, and 201, or equivalent.* May be repeated for credit.

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## COMMUNICATION STUDIES

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Professor: Kristine M. Bartanen; Dexter Gordon; James Jasinski, *Chair*; A. Susan Owen; Raymond Preiss

Associate Professor: Derek Buescher; David A. Droge; Renée Houston (on leave Fall 2006);

### About the Department

Students majoring in Communication Studies examine the human, social, political, institutional, and mediated dimensions of human communication practices and processes. In every course in the program, students learn how these communication practices and processes construct and reconstruct meanings, enable and constrain social interaction, and interact with institutional structures and cultural, historical, and political forces. Students choosing a major in Communication Studies develop analytic and cognitive skills that enhance their capacity for critical thinking, intellectual curiosity about human communication, and proficiency in basic critical/interpretive and social science methods of communication research. Students demonstrate their command of this material by the capacity to (1) conduct independent critical inquiry and social scientific research, (2) locate and interpret primary materials when formulating original conclusions, and (3) communicate the results of their research to diverse audiences, both orally and in writing. The competencies emphasized within the Communication Studies program are integral to postgraduate study, a wide range of occupations, and the full and open discourse essential for democratic citizenship in the twenty-first century.

In consultation with their advisor, students typically concentrate their major course work in one of four emphasis areas: Cognitive and Behavioral Studies (interpersonal, persuasion and social influence, conflict, communication research), Rhetorical Studies (political communication, argumentation, rhetorical theory and criticism, rhetoric and the law), Media Studies (television criticism, film criticism, mass communication), and Organizational Studies (group, organizational, and computer-mediated communication). The department encourages students to complement their Communication Studies major with either a minor in a related discipline or a minimum of five courses in a supporting field, selected in consultation with their department advisor.

## Co-Curricular Activities

The Department of Communication Studies sponsors activities that include a competitive forensics program, including Cross Examination Debate Association (CEDA) and National Parliamentary Debate Association (NPDA) debate. The department also sponsors the Washington Alpha Chapter of Pi Kappa Delta, a national forensic honorary. Participation in these projects is open to all university students. Activity credit may be granted with prior approval of the department. The department sponsors a chapter of Lambda Pi Eta, the national undergraduate honor society.

## General Requirements for the Major or Minor

General university degree requirements stipulate that 1) at least four units of the major or three units of the minor be taken in residence at Puget Sound; 2) students earn a GPA of 2.0 in courses taken for the major or the minor; and 3) all courses taken for a major or minor must be taken for graded credit. Any exceptions to these stipulations are indicated in the major and minor degree requirements listed below.

### Requirements for the Bachelor of Arts in Communication Studies

1. COMM 200, 232, and 244;
2. Two units selected from COMM 308, 322, 332, 343, and 344; one of the units must be either 332 or 344;
3. Five elective units selected and approved through advising from COMM 204, 220, 252, 258, 291, 308, 321, 322, 332, 344, 346, 347, 348, 350, 352, 354, 360, 368, 370, 422, 442, 444, 460, 497, 498; theory courses taken to fulfill requirement #2 above may not count toward the elective requirement;
4. At least one of the five elective units must be a senior seminar capstone selected from COMM 422, 442, 444, and 460;
5. Only one 200 level elective and one unit from COMM 497 may be counted toward the major;
6. Communication Studies majors and minors may not use a Communication Studies course to fulfill a university core requirement *and* a major/minor requirement; Communication Studies courses will either count as a major or minor requirement or as a university core requirement.

### Requirements for the Minor in Communication Studies

Completion of 6 units, to include COMM 200, 232, and 244; one unit selected from COMM 308, 322, 332, and 344; one of the remaining two units must be at the 300 or 400 level.

### Notes

1. Students majoring or minoring in Communication Studies must earn a grade of C- or higher in all courses which are taken in fulfillment of a major or minor requirement.
2. The Communication Studies Department reserves the option of determining, on an individual basis, a time limit on the applicability of courses to a major or minor.

## Course Offerings

Unless otherwise specified, each course carries 1 unit of credit and is offered at least once each academic year. Please see “Frequency of Course Offerings” on page 16.

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**First-Year Seminars.** See *First-Year Seminars in the Core Curriculum* section of this Bulletin for course descriptions (pages 17 and 29).

## *Writing and Rhetoric*

102 Social Scientific Argumentation

103 Rhetoric of Adventure

105 The Rhetoric of Race Relations: From Abolition to Civil Rights and Beyond

106 Science and Equality

107 Rhetoric, Film and National identity

108 The Rhetoric of Contradiction in Work-Life

110 Contemporary Controversies

## *Scholarly and Creative Inquiry*

190 The Discourses of Slavery

## **Other courses offered by Communication Studies department faculty**

**CONN 306, The Conflict between Rhetoric and Philosophy**

Satisfies the Connections core requirement.

**CONN 340, Gender and Communication**

Satisfies the Connections core requirement.

**200 Introduction to Communication Inquiry** This course introduces students to the kinds of questions scholars ask about human communication. The class focuses on the traditions of rhetorical and critical scholarship as well as social scientific studies of communication. The course orients students to the ongoing scholarly conversation in each of these research traditions. More specifically, the course explores the origins and development of the discipline within the liberal arts tradition; asks students to describe, interpret, and evaluate communication phenomena; examines examples of contemporary communication scholarship; and encourages students to explore opportunities for original contributions to the body of knowledge regarding human communication. Offered each semester.

**220 Introduction to Media Studies** This course introduces the interdisciplinary field of media studies. Students gain a foundation in key concepts, methods and theories in the study of media, communication and culture. Topics include the history of media and communication theory, media structures and institutions; media industries and organizations; media texts and genres; and media and identity (class, gender, race, age). Using the primary textual examples of advertising and news information (across print, television, radio, and internet) students are encouraged to apply the theoretical vocabularies and skills of analysis covered in this course to think critically about the role the mass media plays in contemporary societies.

**221 Media and Society** This course offers a broad-based introduction to the mass media as they have developed in Britain during the past century: Broadcasting (Television and Radio), Print (national newspapers and magazines) and related areas affecting these media such as advertising. At every stage the course is alert to the tension that has always existed between the ideals of an independent Public Service Broadcasting system and the need for accountability to Parliament and to politicians. Taught only as part of the ILACA London program.

**232 Communication Research Methods** Introduction to the research tools necessary to locate, understand, evaluate, and synthesize social scientific arguments regarding communication processes. Curriculum includes the philosophy of the social sciences, measurement issues, basic

experimental and research design, and an introduction to statistics. Students gain the skills necessary to interpret scientific arguments and conduct their own, original investigation of a major communication theory. The studies are designed to resolve an argument between competing perspectives for a communication outcome. *Prerequisite: Completion or concurrent enrollment in COMM 200.*

**244 Rhetorical Criticism** This course is an introduction to the discipline of speech communication through intensive focus on critical research. Students become familiar with some of the more important critical approaches to the study of public communication. Students learn how to locate and read historical-critical scholarship; how to describe, analyze, interpret, and evaluate prose discourse; and how to formulate their own critical insights into sound oral and written arguments. *Prerequisite: Completion or concurrent enrollment in COMM 200.*

**252 Public Communication Campaigns** Communication campaigns are coordinated, large-scale efforts to exert individual and collective influence. Campaigns are modeled from the perspectives of knowledge and awareness; attitudes, beliefs, and behaviors; and stakeholder objectives. Topics include the history of public communication campaigns, case studies of campaign outcomes, theoretical foundations for the design and implementation of campaigns, and campaign evaluation and assessment. The course stresses practical applications of several communication theories, including persuasion theories, motivational theories, social learning theory, compliance-gaining strategies, and personality theories. Theoretical grounding allows students to assess message outcomes in the context of competing audiences and interest groups. Students explore how campaigns are planned, organized, executed, and evaluated. Comparisons are made between public interest, political, religious, and commercial campaigns. Topics include attack ads and audience responses, audience segmentation, message design, political agenda-setting, priming and framing of campaigns, interrelationships between issues, framing of issues, and audience responses. Assessment methods (flash polls, focus groups, experiments, surveys) and campaign-related resources (think tanks, third-party stakeholders) are considered. Satisfies the Social Scientific Approaches core requirement.

**258 Intercultural Communication** This course examines communication encounters among people from different cultural backgrounds. Focusing on both international and intra-national communication, the class analyzes the ways in which behavioral differences may reflect differing cultural perspectives, the role of social power in shaping cross-cultural encounters, and the development of a repertoire of communication habits that can lead to intercultural competence. Students share in course planning, and the class incorporates a variety of instructional modes, including lecture-discussion, media presentations, and experiential modes. The course is strongly recommended for students planning or returning from study abroad programs. Offered every third year; not offered 2006-2007.

**291 Film Culture** This course uses film as its text to examine diverse and competing views of full and equal membership in human communities, and the perceived worth of marginalized groups as members of those communities. Course materials examine the role of film and film genre in constructing and challenging cultural identity with special emphasis on race, gender, and sexuality. The course explores new queer cinema, new African American cinema, and feminist film sensibilities in the context of historical and contemporary film genre. The course examines the role of human tragedy, comedy, film noir, and postmodern drama in the cinematic articulation of human identity and cultural values. The course is particularly focused upon tensions in cinema that address competing notions of “stable” and “fluid” human identity. The course of-

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fers students an opportunity to reflect upon a broad range of historical and contemporary film texts that address issues of cultural identity, belonging, and resistance in the human community. Satisfies the Humanistic Approaches core requirement.

**292 Forensics** .25 activity unit Participating in intercollegiate forensics. May be repeated for credit.

**308 Introduction to Organizational Communication Theory** This class provides an introduction to the field of Organizational Communication as it exists within the broader discipline of Communication Studies. This course examines a range of topics studied in organizational communication, including: productivity, rationality, power, culture, crisis communication, change, technology, and globalization. Throughout, the class uses examples and case studies from a range of organizations, including corporate and government organizations, educational institutions, persuasive campaigns, non-profit organizations, the media, and virtual organizations. Usually offered every year; not offered 2006-2007.

**321 Film Criticism** This is a critical writing course in media literacy which focuses on how popular film narratives (independent and mainstream) function in American culture. Students study visual and narrative composition of film, the politics of film aesthetics and production, and the competing rhetorics of American film directors and genres. The discussion of each film is contextualized through attention to visual and narrative construction of gender, race, ethnicity, nationality, sexuality, and social class. *Recommended: COMM 220, 244, or a course in critical writing.*

**322 Television Criticism** This is an advanced course designed to guide students through some of the more important American and British theoretical and critical approaches to the study of television and popular culture. Students are asked to watch television critically, with the end goal of writing critical essays about television artifacts. During the course of the semester, students apply one or more of the critical approaches to the television program of their choice in order to produce thoughtful essays on the function of television in American culture. These essays are presented both in written and in oral form. *Prerequisites: COMM 220, 244, or comparable courses in critical writing recommended; junior or senior standing.*

**332 Communication Theory** An advanced course that examines the major theoretical constructs relevant to the study of human communication. Emphasis is on understanding a variety of perspectives from which human communication can be viewed. *Prerequisite: Junior or senior standing or permission of instructor; COMM 232 recommended.* Offered every other year; not offered 2006-2007.

**343 Argumentation Theory** This course examines theories of argumentation to explore how communities arrive at decisions. To that end, this course develops the skills of reason-giving and critical evaluation that are central to competent participation in a democratic society. In this course, students actively engage the formal structure of arguments. Students learn to evaluate the rhetorical claims of others while constructing their own claims with reasoning adapted to the constraints of the situation. Students learn to question, analyze and critically engage the claims, grounds, warrants, evidence and reasoning of public discourse and will grasp the major theoretical trends in the field of argumentation. While the course focuses on the major theoretical trends of argumentation, it does so through grounded topic areas to understand the relationship between *theoria* and *praxis*. Primarily, the course covers theories of the public sphere, the body, visual argument, feminist argumentation, collective memory, and critical approaches to argumentation. *Prerequisite: Junior or senior standing or permission of instructor; COMM 244 recommended.*



**344 Rhetorical Theory** An advanced course that examines the evolution of rhetorical theory during the past twenty-five hundred years and the cultural forces that have given rise to variations in the classical paradigm. Students of the language arts, classics, philosophy, as well as communication, should find the course a useful cognate in their academic programs. *Prerequisite: Junior or senior standing or permission of instructor; COMM 232 recommended.*

**346 Rhetoric and the Law** For most of recorded history, the study of law and the study of rhetoric were linked. The professionalization and specialization of legal education in the late nineteenth and early twentieth centuries severed a connection that had persisted for two thousand years. Over the past few decades, rhetorical scholars in communication departments and scholars in other academic disciplines (including political science, literary studies, and the law itself) have begun to forge a new link among the law, legal advocacy, and rhetoric, and this course introduces students to this relatively new interdisciplinary movement. The course concentrates on three intersecting themes: the law as language, the law as argument, and the law as constitutive rhetoric. *Recommended: COMM 244.*

**347 Contemporary Public Address / Discourse** This course analyzes the creation, reception, and impact of American public discourse over the last five decades. Course material focuses on the process of rhetorical advocacy as it occurs in key political and cultural events and significant public controversies. Through detailed analysis of message construction, the course enhances students' appreciation of the range of strategic choices available to public advocates, increases students' understanding of the limitations and constraints that confront public advocates, and nurtures students' ability to analyze and evaluate public discourse. Through the reconstruction and analysis of important episodes and controversies in recent American history (including decisions to drop the atomic bomb, the cold war, Vietnam, civil rights, and feminism), the course develops students' knowledge of the role of public discourse in historical events and illustrates the relationship between rhetorical practice and American public culture. *Recommended: Previous work in rhetorical studies (COMM 244, 343, or 344).* Offered every three years; not offered 2006-2007.

**348 Political Communication** This course examines the historical development of "the rhetorical presidency," the genres of presidential discourse, and the process of policy deliberation in the legislative branch. The course also explores the idea that political communication constructs or "frames" our culture's "social reality" (our shared values, traditions, behavioral norms, etc.). The course prepares students to become more sophisticated and literate consumers of political communication. *Recommended: COMM 244.* Offered every three years; offered Spring 2007.

**350 Interpersonal Communication** Advanced study of theories and research processes that examine the social, cognitive, and affective processes which govern face-to-face communication. *Prerequisite: Completion or concurrent enrollment in COMM 200; COMM 232 recommended.* Offered every other year; offered Spring 2007.

**352 Group Process** Advanced study of group communication processes. Emphasis on communication theory, encompassing phases of group development, roles and status structures, leadership, and intergroup relations. *Prerequisite: Completion or concurrent enrollment in COMM 200; COMM 232 recommended.* Offered every other year; not offered 2006-2007.

**354 Communication and Conflict** An advanced seminar that surveys theories of social conflict and the role communication plays in conflict episodes. The seminar explores the structural, social, and cognitive bases for conflict and considers how messages are used to convey power, establish reciprocity, manage intensity, gain compliance, and save face. *Prerequisite: Completion*

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*or concurrent enrollment in COMM 200; COMM 232 recommended.* Offered every other year; not offered 2006-2007.

**360 Contemporary Issues in Organizational Communication** Using a variety of different organizational lenses (i.e. culture, workgroup, and agent), students learn to think through issues in modern organizations. Course materials encourage students to take the role of organizational agents as they face ethical dilemmas in examining contemporary organizational issues such as gender, language, class, and technology. Students can expect a variety of theory and application, integration through intensive class discussion, ethics case papers, and an in-depth group project, which includes a 40-minute professional presentation. Other assignments focus on developing writing skills that are appropriate for typical business and professional settings. The goal of the course is to encourage student reflection on how everyday communication (e.g. writing a simple memo) can affect and construct a system of interaction with profound organizational and social consequences. *Prerequisite: Junior standing or instructor permission.* Usually offered every year; not offered 2006-2007.

**368 Organizational Communication Systems** Since organizations cannot exist without communication and interaction, organizational life is filled with communication activities. Management and coordination, training, decision-making, and conflict are only a few examples. On another level, organizations are themselves the products of the constant processes of organizing. Thus, communication forms and maintains organizations by enabling the process of organizing. This course provides an intensive inquiry into systems theory as a way of understanding organizational communication. Initially the course reviews a variety of approaches which inform our understanding of organizational communication as it is practiced in the everyday life of organizations; however, a large part of the semester is spent studying the various incarnations of systems theories as they are used to understand the organizational processes and practices. The course closes by considering the relationship of organizations to the environment. The course focuses on the impacts organizational practices impose on our natural environment and how management might change those practices to create a sustainable environment. Offered every other year; offered Spring 2007.

**370 Communication and Diversity** The purpose of this course is to enhance students' understanding of diversity issues as they relate to the study of communication. The course looks at how the media, its images and discourses, shape one's understanding of experiences, shape the experiences of women, and the experiences of people of color. The course also explores the ways in which elements of the media socially reproduce prejudice and foster resistance to prejudice. As a result of engagement in the course, students gain the ability to critically analyze and evaluate media products. They also become aware of critical professional issues in relation to a diversified workforce as it relates to the production, distribution, and consumption of media products. *Prerequisite: Junior or senior standing.* Offered every other year; not offered 2006-2007.

**384 Topics in Communication** Upper level courses in various areas of the communication discipline. Course content varies with each offering. May be repeated for credit. *Maximum one unit applied to major requirements.*

**422 Advanced Media Studies** This course is the capstone of the media studies curriculum. Students have the opportunity to study the historical, technological and economic contexts within which images of the human body have been circulated, regulated, and negotiated. *Counts to-*

ward minor in Women Studies. *Prerequisites:* COMM 321 or 322 or permission of instructor. Offered every other year; offered Spring 2007.

**442 Persuasion and Social Influence** This course is the capstone of the social/behavioral studies curriculum. Students explore rhetoric, persuasion, and coercion through the use of symbols. The course examines the cognitive, social, and rhetorical dimensions of attitude change by considering how messages are used to affect the behaviors of individuals. The course focuses on the major theories of attitude change, research on communication and conformity, rhetorical use of symbols, and the effects of persuasive messages. *Prerequisite:* Junior or senior standing or permission of the instructor. Offered every other year; offered Fall 2006.

**444 Advanced Rhetorical Studies** This course is the capstone of the rhetorical studies curriculum. As such, it presupposes that students grasp the analytic techniques introduced in COMM 244 and the conceptual issues introduced in COMM 344. Its purpose is to examine exemplary forms of scholarly inquiry in rhetorical studies in order to better prepare students to engage in independent and creative scholarly inquiry. *Prerequisite:* Junior or senior standing or permission of instructor. Offered every third year; not offered 2006-2007.

**460 Technology, Organization, and Globalization** This course is the capstone of the organizational studies curriculum. Students consider how communication and collaboration technologies influence the creation, content, and pattern of knowledge networks within and between organizations. The course focuses special attention on recently emerging organizational forms including the virtual organization, the network organization, and the global organization. The remainder of the course examines how communication technology systems are changing the very fabric of our work experience in the twenty-first century. Discussion focuses on the relationships between technologies and social practices at the individual, group, organizational, interorganizational and global levels, as well as organizational and societal policy issues. *Prerequisite:* COMM 308. Offered every other year; not offered 2006-2007.

**497 / 498 Internship** Among the requirements in this seminar is the completion of 120 hours of field experience at a site prearranged in consultation with the internship coordinator in Academic and Career Advising. The seminar provides the context to reflect on concrete experiences at the site and link them to study in each student's discipline as well as the political, psychological, social, economic and intellectual forces that shape our views on work and its meaning. The aim is to integrate the liberal arts with issues and themes surrounding the pursuit of a good and productive life. In certain pre-approved instances, an individualized learning plan with a faculty sponsor may substitute for the seminar. *Prerequisite:* Approval of the Internship Coordinator (see description on page 281 of this Bulletin).

# COMPARATIVE SOCIOLOGY

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Professor: Leon Grunberg (on leave 2006-2007); Sunil Kukreja, *Chair*

Associate Professor: Richard Anderson-Connolly; John Finney; Margi Nowak

Assistant Professor: Monica Dehart; Andrew Gardner

Visiting Assistant Professor: Elizabeth Petras

## About the Department

The disciplines of sociology and anthropology provide the foundation for an integrated curriculum in the Department of Comparative Sociology at Puget Sound. Faculty members representing both disciplines share a fundamental concern for engaging students in critical comparative study of social and cultural phenomena from a wide variety of ethnographic and historical contexts.

The overall goal of the department is to provide students with a program that enables them to: 1) comprehend the diversity and similarities of societies from a broad range of cross-cultural and historical settings; 2) develop a comparative perspective from the integration of theories and methods drawn from both sociology and anthropology; 3) learn to analyze and interpret socio-cultural phenomena in light of relevant assumptions, knowledge, theory, and praxis; and 4) effectively communicate acquired knowledge and insight.

A major in comparative sociology provides excellent opportunity to develop knowledge and skills valued in a wide range of career possibilities in the private or public sector. It also provides excellent preparation for graduate study in anthropology, sociology, social work, law, criminology, counseling, or public policy. Further, the major is a rewarding end in itself, providing students with valuable experiences for their intellectual growth.

For all students - majors, minors, or those simply taking comparative sociology courses as part of their liberal arts education - the Comparative Sociology department is strongly committed to the development of analytic skills and reflective thinking in the process of conveying knowledge of other societies and cultures. In this endeavor, faculty attempt to expand students' intellectual horizons, challenge them to recognize the oftentimes ethnocentric limitations of personal experience and individual biography, and encourage them to become more conscious of the ways human beings come to take the "reasonableness" of their world for granted.

## General Requirements for the Major or Minor

General university degree requirements stipulate that 1) at least four units of the major or three units of the minor be taken in residence at Puget Sound; 2) students earn a GPA of 2.0 in courses taken for the major or the minor; and 3) all courses taken for a major or minor must be taken for graded credit. Any exceptions to these stipulations are indicated in the major and minor degree requirements listed below.

## Requirements for the Major

The major in Comparative Sociology consists of eleven courses:

Required Courses: 200, 204, 295, 301, 302, 490 and 491.

Elective Courses: Four courses in Comparative Sociology, two of which must be at the 300 or above. (CONN 480 can be used as one of the 300-level or above electives.)

Majors may satisfy no more than two university core requirements from Comparative Sociology offerings.

## Requirements for the Minor

A minor in Comparative Sociology consists of six courses: 200, 204, 295 and three electives, one of which must be at the 300 or higher level.

**Note:** The Comparative Sociology Department reserves the right to evaluate courses on a case by case basis to determine whether they may be applied to a major or minor based on the age of the course.

## Course Offerings

Unless otherwise specified, each course carries 1 unit of credit and is offered at least once each academic year. Please see “Frequency of Course Offerings” on page 16.

**First-Year Seminars.** See *First-Year Seminars in the Core Curriculum section of this Bulletin for course descriptions (page 17 and 29).*

### *Scholarly and Creative Inquiry*

**117 The Anthropology of Food and Eating**

**118 Social Organization and Change in the Developing World**

**120 Social Order and Human Freedom**

**125 Culture Wars: A Global Context**

**130 Murderous Neighbors, Compassionate Strangers: Disparate Responses to Genocide**

**140 Modern Revolutions**

### **Other courses offered by Comparative Sociology department faculty**

**CONN 480, Informed Seeing**

Satisfies the Connections core requirement.

**IPE 201, Introduction to International Political Economy**

Satisfies the Social Scientific Approaches core requirement.

**IPE 301, Theories of International Political Economy**

**IPE 401, Senior Thesis Seminar**

**103 Social Problems** A sociological analysis of conditions, social and environmental, which are considered to constitute problems affecting the quality of social life. Emphasis on past and present attempts to deal with problems and the consequences of such efforts. Both national and international conditions are analyzed. Satisfies the Social Scientific Approaches core requirement.

**200 Cultural Anthropology** The fundamentally cross-cultural, cross-temporal orientation of anthropology makes it unique among disciplines. Its practitioners are always trying to broaden the framework of any discussion about human beliefs and practices to include examples which are as diverse and varied as possible, while at the same time insisting on one underlying universal “humanity.” The purpose of this foundation course in sociocultural anthropology is to provide a fundamental clarification of the guiding assumptions, methodologies, theories, interpretations, and conclusions of this discipline. Students are led by a progressive presentation and re-presentation of these tools and paradigms to see first, how the discipline “works,” second, how they themselves can participate, even in a very limited way, in some aspects of a “live” anthropological

## Comparative Sociology

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investigation, and finally, how they can use some of anthropology's reflexive, self-critical thoughts to stand back and re-examine their own participation in "anthropological knowledge-construction." Satisfies the Humanistic Approaches core requirement.

**202 The Family in Society** Examination of varieties of the organization and experience of family life throughout the world; consideration of similarities and differences, trends, and current concerns. Major focus on attempts to explain how and why these differences and similarities exist and why concerns about the family in society wax and wane.

**203 Anthropological Study of Religion** Considers religion as a cultural system which provides models of and for reality (i.e. ideology and experience). Specific examples of religious thought and activity from a wide variety of ethnographic contexts are used to illustrate such topics as totemism, shamanism, ritual, symbolization, and the relationship between social dynamics and belief systems. Offered every other year; not offered 2006-2007.

**204 Social Stratification** This course examines social inequality in a comparative context looking at the experiences of a wide variety of countries with differing stratification systems (for example, Japan, South Africa, Russia, and Sweden). These structures of social inequality are compared to the U.S. system of stratification, and the theoretical and policy implications that emerge from these comparisons are discussed. Satisfies the Social Scientific Approaches core requirement.

**206 Deviance and Social Control** The study of non-conformity to social expectations and of the methods developed by groups to prevent deviance and to sanction its occurrence through punishment, treatment, or rehabilitation. Analysis of the interaction between deviance and social control as the consequence of the power of certain groups to enforce their definitions, expectations, or institutional arrangements on other groups. Examination of contemporary American, cross-cultural, and historical material. Offered every other year; offered Spring 2007.

**212 Gender in the U.S.A** Using significant texts from the humanities and social sciences, this course explores and analyzes the profound importance of gender in the organization of social life and in the construction of personal identity, with emphasis on women's lives. Gender is studied in the context of race, ethnicity, class, and other basic social divisions in specific times and places. Focus is on how groups divide labor between men and women; how they construct ideologies and social frameworks to perpetuate women's subordination; and how women and men negotiate, survive, transform, and transcend the gender-related constraints on their lives. Satisfies the Social Scientific Approaches core requirement.

**213 Urban Sociology: Cities, Regions, and Peoples** This course examines the theory, concept, and history of urbanization, especially its relationship to agrarian, industrial, and post industrial society. The emphasis of the course deals with the spatial and positional dimension of evolving societies, focusing on, but not limited to, the United States. It considers the effects on human geography of history, technology, institutions, ideas, health, politics, class, and race, and the international political economy. Major thematics are the logic of labor movements, private and public interests, urban social structure, regional development, and the emergence of an integrated national political economy. Detailed topics include slavery and the black diaspora, frontier expansion and closure, the bi polar phenomena of suburbanization and ghettoization, and the human geography of race and ethnicity which to this day shapes much of the life of the Americas. The course is particularly useful to students interested in the relationship of macro and micro historical processes in the positional and material economy of evolving societies and to students of historical methods of social research. Not offered 2006-2007.

**215 Race and Ethnic Relations** This course analyzes selected historical situations of racial and ethnic conflict associated with Western expansion and technological development. Focus is on 1) the circumstances under which one group is able to subordinate another politically, economically, and culturally; 2) the forms, structures, and consequences of domination; 3) the role of racist ideologies; 4) the survival and resistance strategies of the dominated; and 5) the causes and dynamics of change in minority/majority relations. Satisfies Humanistic Approaches core requirement.

**230 Indigenous Peoples: Alternative Political Economies** This course examines the situations, problems, and continually developing strategies of indigenous peoples living in various countries and regions scattered throughout the world. While the central concern of this investigation focuses on so-called “tribal” peoples and their increasingly threatened, yet still instructive lifeways, the course also deliberately considers selected points of contrast and comparison involving “modern” societies as well. Toward this end, the course uses the approach of political anthropology, which has traditionally been associated with the study of small-scale societies (wherein the realms of “politics” and “economics” are inseparably interlinked with other sociocultural institutions such as “religion” and “kinship”). The ultimate aim of the course is threefold: first, to acknowledge the tragedy of past and presently-continuing destruction of indigenous peoples’ physical, social, and cultural lives; second, to learn about and from the resilience and resistance such people have shown over millennia; and third, to inspire hope that it is still not too late for “modern” and “tribal” people humbly and profitably to learn from each other. Satisfies the Social Scientific Approaches core requirement. Offered every other year; offered Fall 2006.

**290 Social Services** A sociological analysis of social services in the United States and other parts of the world. After a brief consideration of the development of social welfare organizations in historical context, a study of social services in the United States and its economic, political, and ideological aspects is undertaken. This study emphasizes policy and program issues. A comparison of U.S. policy and programs with those of other Western societies is also made, and international social service organizations are considered. Not offered 2006-2007.

**295 Social Theory** This course is designed to be an in-depth survey of the major conceptual frameworks of sociology. The course focuses on the basic questions that have been addressed by influential nineteenth and twentieth-century social and cultural analysts, and the theories they have constructed to answer them. The first half of the course focuses on the “classical” theorists, including Marx, Weber, Durkheim, and Mead. The second half is devoted to contemporary perspectives, including structural-functionalism, symbolic-interactionism, conflict theory, ethno-methodology, and feminist theory.

**296 Anthropological Theory** This course is concerned with the emergence of anthropological ideas from their beginnings in philosophy, through the period which led to the establishment of anthropology as a distinct academic tradition, to the present. Students learn to evaluate and interpret the contributions of key figures both within their historic context and in the light of contemporary anthropological theory and understanding. Not offered 2006-2007.

**301 Social Research I** This course covers experimental and quasi-experimental design, the design of social surveys, and techniques of data analysis appropriate for each type of design. Individual student research projects are required. *Prerequisite: MATH 160 strongly recommended.*

**302 Social Research II** This course covers field research design, unobtrusive research, issues in the design of evaluation research, and techniques of data analysis appropriate for each type of design. Individual student research projects are required.

## Comparative Sociology

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**305 Language, Culture, Society, and Power** Throughout the course of their lives, people acquire - consciously and unconsciously, in the school system and outside it, adequately or imperfectly - a repertoire of communicative strategies. Furthermore, this learning process affects, and is deeply affected by, the dynamics of relative power in society. For those types of people whose position in society is not dominant, "taken-for-granted," or "mainstream," (e.g., the deaf or other people with disabilities; refugees and immigrants; U.S. natives whose sole or primary language is not standard English), their group's linguistic and metalinguistic communicative strategies may also serve as a means of either challenging or further cementing their subordinate or marginalized status. Whatever the particular case may be, group-maintained variations in language involve not only linguistic factors, but social, economic, and political relationships as well. Using the approach and insights of the discipline of sociolinguistics, this course explores such linkages. No previous familiarity with linguistics, foreign language study, or non-mainstream life experience is required, although any of these would certainly provide relevant background for the course. Offered every other year; offered Spring 2007.

**314 Criminology** Criminology is widely defined as the study of the nature, causes, and dynamics of crime and crime control in society. Accordingly, criminologists are often concerned with a range of issues including the structural determinants of crime, victimology, social-psychological characteristics of criminals and penology. Any attempt to explore these issues requires that one be cognizant of the assumptions (implicit and explicit), values, and social forces involved in shaping the study of crime and related issues. Partly based on this, the course is designed with the following objectives: 1) to foster sociological understanding of the issues outlined above. The application of such an approach requires a constant awareness of the interplay between individuals and social forces in examining and understanding this social phenomenon; 2) to critically examine the conventional wisdom and select social science based theories about crime and society; and 3) to develop an appreciation of the complexity of the crime phenomenon as well as criminological discourse.

**315 Identity Politics in Latin America** This course explores the rise of identity politics within Latin America since the 1990s. It asks how ethnic, racial, feminist, sexual, and transnational identity politics have shaped the nature and goals of a diverse array of social movements in the region. It draws on ethnographic analyses to analyze how specific instances of identity politics emerged from particular historical and national contexts to challenge traditional hierarchies of power in new ways. The course also utilizes fictional, testimonial, and film sources for further investigation of the experiences of participants within these movements and their implications for transformations in Latin American society. *Prerequisite: LAS 100 or CSOC 200, or permission of instructor.* Offered Fall 2006.

**316A / B Social and Cultural Change** In this course students examine sociocultural change in the light of such issues as inter- and intra-national social stratification, the distribution of power, colonialism, imperialism, and industrialization. Particular attention is given to key concepts and problems related to modernization in Third World contexts: development, revolution, detribalization, political ethics, and competing ideologies for change and "progress." Section A of this course is characterized by significant Asian content.

**318 Women and Global Inequality** This interdisciplinary course uses a range of sources, from monographs to statistics to novels, to explore the role of gender in relation to issues of inequality, power, and production throughout the globe, with particular emphasis on countries of the Southern Hemisphere. The inquiry includes examination of women's lives in pre-colonial, colo-



nial, and post-colonial periods, including the impact of and their responses to the present world debt crisis. Throughout the course, the problem of bias in anthropological, sociological, and feminist inquiry launched from countries of the Northern Hemisphere and its consequences for the study of gender in the social structure and culture of non-industrialized peoples is addressed. Not offered 2006-2007.

**323 Tourism and the Global Order** In the contemporary world, tourism is often the foremost, and only, process that brings together people from different parts of the world, allowing those from the “West” and those from the “Third World” to interact on a face-to-face basis under peaceful, if not always equal, circumstances. As such, tourism as a phenomenon and as a process raises questions about global interconnections and global movements of finance, cultural and material artifacts, ideas, and people across national and cultural boundaries. This course addresses a wide range of issues, including the economic, social, and cultural implications of tourism, the impact of global tourism on the environment and global conservation efforts, and tourism as a vehicle of social change and as a facilitator of cultural and material globalization. The issues covered in this course relate to everyday processes and events - especially the taken-for-granted process of *travel* itself. Specific topics to be covered include the sociology of tourism, sustainable development, global inequality, cultural adaptation, Third World economic development, the creation and marketing of tourist images, the advent of “alternative” forms of tourism, the search for authenticity, and ecotourism. The course focuses largely on examples and case studies from Southeast Asia, with the inclusion of some primary materials from field research conducted in Thailand.

**325 Social Movements** This course surveys major theories and research on social movements. Issues of recruitment, organization, tactics, resource mobilization, the role of the mass media, the impact of official agencies, and effects on public policy are examined. Selected movements are analyzed in relation to political institutions, socioeconomic structures, and cultural trends. Among the movements studied: the civil rights movement, women’s movement, environmental movement, labor movement, right-wing movements, the pro- and anti-abortion movements, and popular liberation movements in the Third World. *Prerequisite: Junior standing or above or permission of the instructor.* Not offered 2006-2007.

**335 Third World Perspectives** This course examines the dilemmas, challenges, and prospects for selected regions of the developing world - south - as seen through the eyes of intellectuals and leaders from these regions. The course critically examines the values reflected in the ideas/writings of selected “third world” intellectuals and leaders, specifically focusing on how these values shape 1) assessment by intellectuals and leaders of social, cultural, economic, and political dilemmas in the Third World; and 2) the alternatives leaders and intellectuals articulate for overcoming these dilemmas. In the process the course examines the social forces that significantly helped shape the social realities being addressed from a Third World Perspective. Not offered 2006-2007.

**340 Global Political Economy** The course has a two-fold purpose: first, to analyze the political, economic, and cultural forces creating interdependence in the world, and second, to adopt a comparative perspective and to investigate in some depth the social systems in a variety of countries. Not offered 2006-2007.

**350 Border Crossings: Transnational Migration and Diaspora Studies** This course is designed to explore diverse and changing forms of transnational migration across a global landscape, with a focus on the dynamic relationships that define migrants’ relationships to both home and

host communities. The course draws upon anthropological and sociological contributions to migration studies, transnationalism, and diaspora studies in order to examine the articulation of culture and identity amidst the complexities of the contemporary world. The course also utilizes case studies that allow students to analyze diasporic experiences both in the United States and abroad. This course allows for a sustained discussion on the changing relationships between people, place, and culture, and the role of anthropological methods in investigating them. *Prerequisites: None; CSOC 200 or 204 or 295 strongly recommended.*

**352 Work, Culture, and Globalization** The industrial landscape seems to be changing dramatically. The end of the Cold War, intensified international economic competition, and new technologies are undermining historic patterns of working and doing business. This course examines these developments in two ways. First, it focuses on several countries' experiences in adapting to these changes and then investigates, by intensive research on actual workplaces in the local community, how these changes are affecting the lives of working men and women. Not offered 2006-2007.

**370 Disability, Identity, and Power** Anthropologists, whose work has always focused on sociocultural diversity, and sociologists, who have traditionally studied social phenomena in connection with issues of structured inequality and power, are now applying their distinct and complementary orientations to the study of disability (defined here as lifelong or chronic biological and/or psychological impairments). This course, which focuses on the sociocultural situation of persons who have (or who are socially close to someone who has) a disability, explores two dialectically interrelated themes: (1) the process of socially grounded identity construction for people with disabilities, and (2) the effects--on socially-held assumptions about disability, as well as on people with disabilities themselves--brought about by such people (and/or their caretakers) through their confrontations with various social institutions (e.g. education, health care, legal and economic systems). Not offered 2006-2007.

**416 Modern India and Diaspora** This course is designed with a two-fold focus: 1) to provide an in-depth sociological examination of pertinent developments and trends shaping modern/contemporary India; and 2) to situate India's trajectory as a modern society in a broader international (both regional and global) context. Specifically, the course centers on the (a) critical social transformations in Indian society since the beginning of the 20th century; and (b) an examination of India's relationships and links to the broader global community. The 20th century marks a period of "great transformations" in the narrative of India. Its salience is reflected in the fact that the period draws on the intersection of the late colonial as well as the post-colonial period in India. The course emphasizes the complex links and transition between British colonialism and the post-colonial period in India, and India's relationship with the global system.

**420 Sociology through Literature** Sociology has long sought scientific status. In the process, it has tended to squeeze out the human and personal from its vocabulary and methods. This course is designed to tackle the crucial questions of sociology by approaching them through an examination of works of literature (for novelists are often excellent microsociologists) and through personal social histories to try and arrive at the abstract and theoretical aspects of sociology from the personal and concrete. The unifying theme of the course is emancipation. This course is conducted in seminar format requiring extensive class participation. *Prerequisite: Permission of instructor.* Not offered 2006-2007.

**481 Special Topics** This seminar involves an in-depth examination of selected topics in anthropology and/or sociology. A different topic is selected by faculty each time it is offered. Relevant

theory and current research is examined. Students are responsible for research papers and presentations under close supervision of the faculty. May be repeated for credit. Offered on an occasional basis; not offered 2006-2007.

**490 Senior Thesis I** This course is the first in a two-unit sequence. Students develop a project proposal, which includes a review of the literature, theory development, and specifications of the research design. Following approval of the proposal, students engage in data collection. *Prerequisites: CSOC 295, 301, and 302; instructor permission required.*

**491 Senior Thesis II** This course is a continuation of CSOC 490, Senior Thesis I, in which students will have designed their project and collected their data. In this course students, working under the supervision of the instructor, plan and conduct data analysis; describe and offer an explanation of their findings; and present a professional project report. Students also prepare and present a formal, oral presentation of their project. *Prerequisite: CSOC 490.*

### **495 / 496 Independent Study**

**497 Internship** In this seminar students examine theoretical issues surrounding work in areas relevant to sociology and cultural anthropology while drawing from a field experience at a site prearranged in consultation with the internship coordinator in Academic and Career Advising. Students should meet with the internship coordinator to begin their search for an internship placement during the semester prior to enrollment in 497. *Prerequisite: Permission of the instructor and approval of the Internship Coordinator (see description on page 281 of this Bulletin).*

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## **ECONOMICS**

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Professor: Douglas E. Goodman; Wade Hands ; Bruce Mann; Ross Singleton, *Chair*; Kate Stirling

Associate Professor: Karin Sable; Matthew Warning

Assistant Professor: Milan Garrett

### **About the Department**

Economics focuses on decision making and problem solving. It concerns itself with making intelligent individual and social choices in a world of scarcity. The department believes that a student who spends four years wrestling with economic issues and developing the analytical tools necessary to resolve them will emerge with sharpened reasoning and communication skills and will be more alert to the complexities of the world.

The mission of the Economics program is to educate undergraduates in the fundamental concepts and methods of economics and to help them become better informed and more productive citizens through enhanced understanding of the economic underpinnings of society. Learning outcomes for students include the development of sufficient facility with the tools of economics to critically analyze private and public decision-making processes, contemporary and historical socioeconomic issues, and the fundamental role that economic forces play in political and social development.

The programs in economics are designed to provide students with a strong background in economic theory and applied analysis. The department offers majors leading to both the Bachelor of Science and Bachelor of Arts degrees in economics, as well as a minor. The BA degree is designed for students seeking broad preparation in more than a single area and is often combined with second majors in business administration, literature, mathematics, or politics and govern-

# Economics

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ment. The BS degree is designed for students with outstanding quantitative skills or those with an interest in graduate study in economics or applied mathematics.

The Economics faculty is known for its scholarship and for its commitment to undergraduate teaching. The department offers challenging courses that are popular with economics majors and non-majors alike. This popularity can be attributed not only to the depth of knowledge of the professors, but also to their superb teaching skills. Department faculty members take an active role in academic advising of students from many areas of the university and in other important university and community affairs.

## General Requirements for the Major or Minor

General university degree requirements stipulate that 1) at least four units of the major or three units of the minor be taken in residence at Puget Sound; 2) students earn a GPA of 2.0 in courses taken for the major or the minor; and 3) all courses taken for a major or minor must be taken for graded credit. Any exceptions to these stipulations are indicated in the major and minor degree requirements listed below.

## Requirements for the Major

### Bachelor of Arts Degree

1. Completion of a minimum of nine units in the Department of Economics, to include
  - a. 170, 374, 375, 376, and 411;
  - b. Four electives at the 200-level or above, at least one of which must be 300-level or above. BUS 431 or BUS 432 may be counted as one of the four electives;
2. MATH 160 or 260 (or an equivalent statistical methods course with approval of the Economics Department).

### Bachelor of Science Degree

1. Completion of a minimum of nine units in the Department of Economics, to include
  - a. 170, 374, 375, 376, 391, and 411;
  - b. Three electives at the 200-level or above, at least one of which must be 300-level or above. BUS 431 or BUS 432 may be counted as one of the three electives;
2. MATH 160 or 260 (or an equivalent statistical methods course with approval of the Economics Department);
3. Calculus through multivariate, MATH 280.

## Requirements for the Minor

Completion of five units from the Economics Department to include

1. ECON 170;
2. Four 200-level or above electives, to include at least one course at 300-level or above.

## Notes for Majors and Minors

1. ECON 170, Contemporary Economics, includes both Principles of Macroeconomics and Principles of Microeconomics. Students who have received either transfer or AP credit for either Principles of Macroeconomics or for Principles of Microeconomics are expected to begin their economics studies with ECON 170, Contemporary Economics. Students affected by this policy, who prefer to begin their studies at a higher level, may petition the Economics Department.
2. With prior approval from the Economics Department, one unit of ECON 495/496 may be counted toward the electives.
3. Only courses for which the student has received a C or better can count for the major or minor.

4. The Economics Department reserves the option of not applying courses more than 6 years old to a major or minor.
5. Students who study abroad may apply two approved courses toward their Economics major.

## Course Offerings

Unless otherwise specified, each course carries 1 unit of credit and is offered at least once each academic year. Please see “Frequency of Course Offerings” on page 16.

**First-Year Seminars.** See *First-Year Seminars in the Core Curriculum section of this Bulletin for course descriptions (pages 17 and 29).*

### *Writing and Rhetoric*

#### **102 Controversies in Contemporary Economics**

### *Scholarly and Creative Inquiry*

#### **101 Industrial Economies and Sustainability**

#### **103 Varieties of Social Explanation**

#### **104 Peasants, Commodity Markets, and Starbucks: Coffee in the Global and Local Economies**

## Other courses offered by Economics department faculty

### **IPE 201, Introduction to International Political Economy**

Satisfies the Social Scientific core requirement

### **ENVR 110, Environment and Society**

### **ENVR 340, Salmon Recovery in the Pacific Northwest: Science and Conflict**

### **HON 214, Social Scientific Approaches to Knowing**

Satisfies the Social Scientific core requirement.

**170 Contemporary Economics** This course is a one-semester introduction to economics covering topics in both micro and macroeconomics. Topics in microeconomics include the functioning of the market system and theories of consumer and business decision-making in a world of limited resources. The concepts of opportunity cost, efficiency, and market failure are developed as well as consideration of the wisdom and efficacy of government intervention in the market process. Topics in macroeconomics include the theory of national income determination and the associated concepts of inflation and unemployment. Fiscal and monetary policy and the institutions through which those policies are carried out are also developed. An introduction to international trade theory and foreign exchange markets complete the course. Satisfies the Social Scientific Approaches core requirement.

**218 American Economic History** This course utilizes the tools of elementary economic analysis to explain basic issues in American economic history. In general, the course is organized chronologically. The course begins with discussions of the colonial and revolutionary periods, then continues with analysis of banking development, slavery, the Civil War, and industrial and labor market changes in the later nineteenth century. The course concludes with an analysis of the causes and effects of the Great Depression. *Prerequisite: ECON 170 or permission of the instructor.* Offered every other year; not offered 2006-2007.

**231 The Economics of Money and Banking** This course examines the role of money in a modern economy. The focus is on the role of money and financial institutions. Topics covered include interest rate determination, asset and liability management, the role of the Federal Reserve

System, and the importance of monetary policy in the macroeconomy. *Prerequisites: ECON 170 or permission of the instructor.*

**232 The New Economy: The Impact on Economic Choice and Policy** This course introduces students to several important topics involving the New Economy, especially what is “new” about the New Economy. The course explores key questions, such as whether the economic benefits of current productivity improvements are likely to match those of earlier technological innovations, and what this might imply about the trade-off between inflation and unemployment. Can the business and economic community continue to expect higher productivity and real interest rates, as a result of the New Economy? Policy questions concerning savings, social security, and technology are addressed. Other topics include compounding and discounting, financial valuation models, and the return on investment in human capital. *Prerequisite: ECON 170 or permission of the instructor.* Usually offered every year; offered Spring 2007.

**241 Urban Economics** The tools of microeconomics are applied to the urban sector of the economy. The course begins with an analysis of why and where cities have developed. The second part of the course explores the internal structure of urban areas, market failures in cities, and public policies for remediation. Some of the topics discussed include location theory, urban growth and development, income and poverty, local public goods, housing problems and policies, and transportation systems. *Prerequisite: ECON 170 or permission of the instructor.*

**252 Gender and the Economy** This course is an analysis of changing roles of women, using theoretical and empirical tools of economics. Topics include work and family issues, the labor market, occupational segregation, and discrimination. Although the primary focus is on women in the U.S., this course devotes a substantial amount of time to issues related to women from other countries. The students gain an understanding of what the economy and economic policy can do, how they can affect men and women differently, and how economic policy can lead to greater gender (in)equality. *Prerequisite: ECON 170 or permission of instructor.* Offered every other year; offered Spring 2007.

**261 Public Finance and Tax Policy** This course presents an overview of the theory and practice of public sector economics in the United States. Topics that receive special attention include the government expenditure and social welfare policies, federal-state-local tax principles and policy, government budgets and deficit finance, and issues associated with public finance in a federal system. *Prerequisite: ECON 170 or permission of the instructor.* Offered every other year; offered Spring 2007.

**314 Economic Analysis of Underdevelopment** This course uses the tools of economic analysis to examine critical issues facing developing countries. Topics covered include poverty, inequality, population growth, rural development, land reform, human capital formation, and sustainability. Case studies are drawn from throughout the developing world. *Prerequisite: ECON 170 or permission of the instructor.*

**321 History of Economic Thought** The development of economic thought from late eighteenth century to the present. The relation of economic thought to other social, political, and scientific thought is emphasized. The class focuses primarily on seven major figures in the history of economic thought: Smith, Ricardo, Mill, Marx, Marshall, Veblen, and Keynes. Readings are from original and secondary sources.

**322 Economics and Philosophy** The course examines the relationship between economic theory and contemporary philosophy. The first part of the course is concerned with the connection between economics and epistemology (theory of knowledge) and the second part with the relationship between economics and ethics (moral philosophy). *Prerequisites: One course in Economics and one course in Philosophy, or permission of instructor.*

**325 Environmental and Natural Resource Economics** This course develops the theory and methods of environmental and natural resource economics. Topic areas include environmental valuation, instances of market failure, and environmental policy responses to remedy misallocation of resources. *Prerequisite: ECON 170 or permission of the instructor.*

**330 Law and Economics** The major focus of this course is on the application of microeconomic tools to legal issues. The course considers the general issues of legal analysis and microeconomic theory as applied especially to the areas of tort, property, and contract law. *Prerequisite: ECON 376 or permission of instructor.* Offered every other year; offered Spring 2007.

**335 Modern Labor Economics** This course is devoted to a microeconomic analysis of the labor sector in the U.S. economy. The emphasis is on the allocation and distribution of time as an economic resource. Topics to be discussed include demand for labor, supply of effort, non-market time allocation, market imperfections, human capital theory, and models of wage determination. *Prerequisite: ECON 170 or permission of the instructor.* Offered every other year; not offered 2006-2007.

**351 Competitive Strategy and the Regulation of Market Power** The meaning and significance of competition is developed from a variety of theoretical perspectives with particular emphasis on the dynamic nature of competition. The activities of business firms in various market settings (competitive, monopolistically competitive, oligopolistic, and monopolistic) are analyzed. The theory of the firm and game theoretic models are used to understand the strategic aspects of firm behavior. The impact of firm behavior on social welfare is developed. Substantial emphasis is placed on understanding the theoretical and empirical basis of support for and critique of anti-trust law and regulation. *Prerequisite: ECON 170 or permission of the instructor.* Offered every other year; offered Spring 2007.

**371 International Economics** This course surveys the theories, issues, and controversies in contemporary international economics. Topics that receive special attention include theories of international trade, analysis of the allocative and distributive effects of trade on economic systems and tools of protectionism, analysis of regional economic integration, exchange rate determination, and theory and policy aspects of international payments imbalances. *Prerequisite: ECON 170 or permission of the instructor.*

**374 Introduction to Econometrics** The application of statistical techniques to the analysis of economic questions. Students learn the tools of regression analysis and apply them in a major empirical project. Emphasis is placed on the design and interpretation of regression analysis. *Prerequisites: ECON 170, a 200-400-level Economics course, and MATH 160.*

**375 Macroeconomic Theory** The basic principles of national income determination are studied from a theoretical perspective. Various models of macroeconomics are analyzed with emphasis on effects of monetary and fiscal policy. Particular emphasis is placed on understanding the causes and consequences of unemployment, inflation, and economic growth. *Prerequisite: ECON 170 or permission of the instructor.*

**376 Microeconomic Theory** This course develops and extends the methods of microeconomic analysis. Topics include consumer-choice theory, models of exchange, the theory of the firm, pricing models, and general equilibrium analysis. *Prerequisite: ECON 170 or permission of the instructor.*

**380 Game Theory in Economics** Game theory is a technique for modeling and analyzing strategic decision-making processes in a world of interdependence. Game theoretic techniques are based on strategic interdependence, recognizing that an individual entity's payoff is dependent on the actions of others including consumers, producers, and regulators. The major focus of this class is to introduce and develop the tools of game theory for application to a variety of economic topics such as auctions, investment decisions, competitive behavior, trade, and environmental negotiations. *Prerequisite: ECON 376 or permission of instructor.* Offered every other year; offered Fall 2006.

**386 Managerial Economics** This course develops those tools of economic analysis most useful to business managers. Topics include demand estimation and forecasting, demand analysis, production and cost analysis, the theory of the firm, theory of market structures, industrial organization and competitive analysis, capital budgeting and risk analysis, and strategic planning. Applications of microeconomics to practical business problems in strategic planning is emphasized. *Prerequisites: ECON 170, statistics, and one semester of calculus.* Offered every other year; offered Spring 2007.

**391 Mathematical Economics** This course applies calculus and linear algebra to the analysis of microeconomic and macroeconomic theory. The tools of mathematical optimization and programming are developed with direct application to the analysis of the problems of consumer behavior, the theory of the firm, general equilibrium, and aggregate economic analysis. *Prerequisites: ECON 375, 376, and MATH 280.*

**411 Senior Research Seminar** This senior seminar is an advanced study of current topics in economic theory and policy. Students propose an independent research project and undertake a senior thesis as part of the requirements for completion. *Prerequisites: ECON 170, 375, 376 or permission of instructor.* May be repeated for credit.

**495 / 496 Independent Study**

**497 / 498 Internship** Work experience related to an academic program in economics. Actual placements are determined by mutual agreement between the student and department faculty. *Prerequisite: Approval of the Internship Coordinator (see description on page 281 of this Bulletin).*



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## EDUCATION

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Professor: Grace Kirchner; Christine Kline, *Dean*; John Woodward

Associate Professor: Terence Beck (on leave Spring 2007); Julian Edgoose

Assistant Professor: Frederick Hamel; Amy Ryken

Visiting Assistant Professor: Dixie Massey

Instructor: Betsy Gast; Barbara Holme; Jennice King

Visiting Instructor: Heather Jaasko-Fisher

### About the School

The School of Education engages in the preparation and continuing development of competent professionals in education. It offers undergraduate students of the university guidance and instruction leading to careers in elementary and secondary school teaching, including the selection of majors and minors to meet special interests, and offers professional courses that prepare the student for admission to the Master of Arts in Teaching program. The School of Education also offers the Master of Education degree in Counselor Education that qualifies graduates for the Educational Staff Associate Certificate in school counseling. Information on this program appears in the Graduate *Bulletin*.

The School of Education at the University of Puget Sound is accredited by the National Council for Accreditation of Teacher Education, a specialized accrediting body recognized by the United States Department of Education. Programs leading to professional certification of teachers and counselors are approved by the Washington Board of Education.

Students wishing to pursue Teacher Certification should contact the School of Education or Office of Admission for information on the Master of Arts in Teaching program.

### Master of Arts in Teaching

The School of Education offers teacher certification as part of a Master of Arts in Teaching program for students who have completed a liberal arts baccalaureate program. Students preparing to enter the MAT program for secondary teaching should major in an endorsable area (see list of endorsements in this section). All students preparing to enter the MAT program should complete the following prerequisite courses: EDUC 419 and EDUC 420. Teacher certification is not offered at the undergraduate level.

### Endorsements

Students interested in teaching should complete a major for an endorsement in a teaching field. Students are strongly encouraged to acquire a second endorsement through a minor or additional study. Information on essential areas of study in each endorsement is available through the School of Education, academic departments, Office of Admission, or Office of Academic Advising.

Following is a list of available endorsements offered by the University of Puget Sound and approved by the state of Washington.

## Education

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Art	Elementary	Health/Fitness	Music-Instrumental
Biology	Education	History	Physics
Chemistry	English	Japanese	Science
Chinese	English/Language	Mathematics	Social Studies
Computer Science	Arts	Middle School	Spanish
Drama	French	Music-Choral	
Earth Science	German	Music-General	

Students must have a cumulative grade point average of 2.5 or higher in each endorsement area.

### Continuing and Professional Certificate Preparation

The University of Puget Sound offers both academic and professional coursework which can be used to meet the requirements established by the State of Washington for the issuance of Continuing Certification or Professional Teaching Certificate.

Complete details about the Continuing Level or Standard Certificate Program requirements can be obtained by contacting the Certification Advisor in the School of Education.

For information concerning graduate programs in Education, including teacher certification, see the Graduate Programs *Bulletin*.

### Title II Reporting

Institutional information required by Section (f)(2) of Title II of the Higher Education Act is available from the School of Education or on the Web site, [www.ups.edu/education/](http://www.ups.edu/education/).

### Course Offerings

Unless otherwise specified, each course carries 1 unit of credit and is offered at least once each academic year. Please see “Frequency of Course Offerings” on page 16.

#### Other undergraduate courses offered by School of Education faculty

CONN 415, Education and the Changing Workforce  
Satisfies the Connections core requirement.

**418 Comparative Education** A society defines many of its aspirations and its deepest values in the schooling it creates for its youth. Consciously and unconsciously systems are built by which young people will be shaped to assume adult roles. This course examines social and economic characteristics, conflicts, and inconsistencies in societal value systems as they are revealed in the schools of selected countries. Not offered 2006-2007.

**419 American Schools Inside and Out** This course contrasts central issues of schooling as seen from the “outside” political domain and the “inside experience of students. It addresses how the problems and potentials of schools can be examined in informed ways. This course is intended both for prospective teachers and for students interested in examining critically one of the key institutions that shape American society. Required for admission to the MAT program. Satisfies the Social Scientific Approaches core requirement.

**420 Multiple Perspectives on Classroom Teaching and Learning** This course focuses on the ways in which teachers view learning, instruction, classroom organization and motivation. Broad perspectives guide the analyses which include historical lenses and current literature on classroom reforms. Required for admission to the MAT program.

## ENGINEERING, DUAL DEGREE PROGRAM

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Director: Alan Thorndike, *Physics*

Committee: Martin Jackson, *Mathematics and Computer Science*; Alan Thorndike, *Physics*;

Kenneth Rousslang, *Chemistry*; Alexa Tullis, *Biology*; Mike Valentine, *Geology*

### About the Program

To meet the educational needs of students interested in becoming engineers and who also want a significant liberal arts component to their educations, the University of Puget Sound has responded with a Dual Degree Engineering Program. Students in the program, which is administered by a Dual Degree Engineering Advisory Committee in the science/mathematics departments of the university, spend their first three or four years taking a course of study prerequisite to engineering. Qualified students then transfer to one of the institutions with which the university has an agreement and complete an additional two years of study in professional engineering courses. Upon successful completion of the required coursework at both institutions, the student receives two bachelor degrees, one from the University of Puget Sound for the core and major covered by our coursework, and the second from the Engineering School in the discipline covered by their coursework. Should the student not transfer at the end of three years, he or she would simply complete the Bachelor of Arts or Science degree in a selected discipline at the University of Puget Sound.

Currently the university has entered into agreements with the engineering schools at Washington University (St. Louis), Columbia University, Duke University, and the University of Southern California. Many of our students transfer to other institutions as well.

Students should be aware that entrance to an engineering school for some institutions is on a competitive basis and requires a minimum GPA. Students interested in learning more about the program are invited to contact Professor Greg Elliott, the Dual Degree Engineering Coordinator.

To obtain a degree from the University of Puget Sound, the Dual Degree Engineering student must complete at least 16 units in residence and have credit for 24 units prior to transferring to an engineering school. These units must cover Puget Sound core requirements and the courses needed to fulfill the requirements of the student's major. In order to meet the 32 units required for graduation, up to eight units of engineering credit are accepted as elective coursework towards the student's degree at Puget Sound. Credits for core requirements may not be transferred back from the engineering school.

In addition, to qualify for entry into an engineering school, the student must complete specific coursework that the engineering school requires. Most students fulfill much of this coursework in completing a major at Puget Sound. Whether they fall within the major or not, the student must complete the following:

### **Chemistry\*: 2 units**

110, Fundamentals of Chemistry

230, Chemical Analysis and Equilibrium

### **Computer Science: 1 unit**

161, Introduction to Computer Science, or equivalent

### **Mathematics\*: 5 units**

180 / 181, Calculus and Analytic Geometry I, II

280, Multivariate Calculus

290, Linear Algebra

301, Differential Equations

# English

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## Physics: 2 units

121 / 122, General University Physics, I, II

## Recommended for Biomechanical Engineering

CHEM 250, Organic Chemistry

## Recommended for Electrical Engineering

PHYS 221 / 222, Modern Physics I, II

PHYS 231, Circuits and Electronics

PHYS 232, Digital Electronics & Computer Hardware

Introduction to Electrical Engineering (not offered at Puget Sound)

## Recommended for Chemical Engineering

CHEM 250 / 251, Organic Chemistry I, II

## Recommended for Mechanical Engineering

PHYS 305, Analytical Mechanics

Statics (not offered at Puget Sound)

**Note:** Some of the affiliate schools have particular course requirements that must be met. These can usually be satisfied by careful selection of core and major coursework. Information about affiliates is available on the Dual Degree Engineering Program Web site: [www.ups.edu/DDEP/](http://www.ups.edu/DDEP/).

Students should work closely with Dual Degree Engineering Advisory Committee members to ensure that all requirements are met.

\*Students with sufficient background and preparation in high school chemistry and calculus may test out of Chemistry 110 and/or Mathematics 121/122.

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## ENGLISH

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Professor: Michael Curley; Denise Despres, *Susan Resneck Pierce Professor of Humanities and Honors*; ; Peter Greenfield; Hans Ostrom, *Chair*; Florence Sandler; Ronald Thomas, *President*

Associate Professor: William Kupinse (on leave Fall 2006)

Assistant Professor: Julie Christoph; George Erving (on leave Spring 2007); Priti Joshi; Tiffany MacBain; Susmita Mahato; Tamiko Nimura; Dolen Perkins-Valdez; Alison Tracy Hale

Visiting Assistant Professor: David Cho; Laurie Frankel

Instructor: Beverly Conner; Keith James; Julie Neff-Lippman; Ann Putnam; Mary Turnbull

## About the Department

The English Department aims to promote critical thinking, historical awareness, and effective communication through the study of literature and writing. Students majoring in English also establish a solid foundation in the elements of English Studies and develop a deeper understanding of British, American, and other literary traditions.

Courses in writing and in literary and rhetorical theory enhance students' ability to analyze the writing of others and to communicate clearly and persuasively while writing for a variety of purposes and audiences.

One objective of English courses is to provide students with an enduring humanistic educa-

tion, as well as with the analytical skills and writing ability in demand throughout society. Many English majors proceed to graduate study in English, education, law, and other disciplines, and many others enter careers in business, journalism, the non profit sector, and government.

English majors choose one of three emphases in the major. Students who pursue the emphasis in **Literature** learn to analyze complex texts and to see the world as writers or other times and cultures have viewed it. They also study different kinds of literary criticism and critical theory. Students who choose the emphasis in **Creative Writing** refine their own writing in courses on poetry, short fiction, nonfiction prose, and playwriting, and they read widely in these genres. Students who choose the **Writing, Rhetoric, and Culture** emphasis learn to analyze the ways in which many kinds of writing - including but not limited to literature - respond to and shape specific rhetorical and cultural contexts. The emphasis in Writing, Rhetoric, and Culture features courses in classical and contemporary rhetoric and in cultural studies.

Regardless of the emphasis students eventually select, they all complete English 210: Introduction to English Studies, several courses that provide breadth of literary knowledge, and at least one course in early British or American literature. The three emphases are grounded in this shared course of study.

The department encourages students to work closely with academic advisors, particularly with regard to the selection of elective courses, and especially in connection with potential pursuits after graduation.

The English Department's Web site ([www.ups.edu/english/home.shtml](http://www.ups.edu/english/home.shtml)) includes more information about the curriculum, professors' expertise and interests, careers open to English majors, and our alumnae.

## Language Option

The English Department strongly urges its majors to obtain speaking and writing competence in a foreign language. Students who satisfactorily complete two years of college-level language study (or its equivalent) are eligible to have "English Department Foreign Language Option Fulfilled" printed on their official permanent academic record. This acknowledgment is determined during the degree clearance process. Students who have fulfilled this option at another college or university must present their transcripts to the transcript evaluator at least three months prior to the date of their graduation.

## General Requirements for the Major or Minor

General university degree requirements stipulate that 1) at least four units of the major or three units of the minor be taken in residence at Puget Sound; 2) students earn a GPA of 2.0 in courses taken for the major or the minor; and 3) all courses taken for a major or minor must be taken for graded credit. Any exceptions to these stipulations are indicated in the major and minor degree requirements listed below.

## Requirements for the Major

- I. Introduction to English Studies: ENGL 210
- II. Breadth requirement: 3 courses from ENGL 221-226, 340-349
- III. Alternative Voices or Traditions: 1 course from ENGL 380, 390, 391, 474, 475, 478, 481, 482, 483, 484, 485, 486; ENGL 360 or 470 when the majority of the course content concerns alternative voices or traditions
- IV. Elective: 1 course in English at the 300-level or above (excluding courses that count for the university core)
- V. 4 additional units in one of three emphases:

# English

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- A. Creative Writing
  - 1. Introductory Creative Writing: 2 units from ENGL 202, 203, 306
  - 2. Advanced Seminars in Creative Writing: 2 units from ENGL 402, 403
- B. Literature
  - 1. Author, genre, or history of criticism: 1 unit from ENGL 340-360
  - 2. Literature seminars: 3 units from ENGL 440-489
- C. Writing, Rhetoric, and Culture Emphasis
  - 1. Genre, language, critical or rhetorical theory: 1 unit from ENGL 301, 307, 344, 345, 346
  - 2. Non-expository writing: 1 unit from ENGL 202, 203, 205, 300, 306, 308
  - 3. Writing, Rhetoric, and Culture seminars: 2 units from ENGL 388, 401, 405, 470 (when the special topic is related to writing, rhetoric, and culture), 477, 495, 496 (when the study is focused on issues related to writing, rhetoric, and culture), 497
- VI. One of the 10 units taken for the English major must be a course in literature before 1800 (includes ENGL 221, 222, 224, 350, 351, 440, 441, 443, 446, 483; ENGL 360 or 470 when the majority of the course content is pre-1800)

## Requirements for the Minor

- I. Literature Surveys: 2 units from ENGL 221-226.
- II. Three additional units in English at the 200-level or above, one of which must be a writing course.

### Note:

- 1. The student must have a grade of C- or above in each course applied to a major or minor.
- 2. There is no time limit on courses applicable to an English major or minor.
- 3. All 400-level literature courses (ENGL 440-489) demand reasonable preparation for satisfactory performance. The minimum prerequisite is either completion of the relevant survey (ENGL 221-226) or permission of the instructor.

## Course Offerings

Unless otherwise specified, each course carries 1 unit of credit and is offered at least once each academic year. Please see “Frequency of Course Offerings” on page 16.

**First-Year Seminars.** See *First-Year Seminars in the Core Curriculum* section of this Bulletin for course descriptions (pages 17 and 29).

### *Writing and Rhetoric*

- 120 Ideas and Arguments on Stage
- 122 Seeing Texts and Writing Contexts
- 123 Individual Rights and the Common Good
- 124 “See What I Mean?": The Rhetoric of Words and Images
- 125 Civic Argument and the Theatre of Democracy
- 126 Genre Studies in Literature
- 127 An Opinion About Everything
- 128 Shaping the Shadow: Argument and Insight
- 129 Power and Perception: The Mirror and the Music
- 130 Print Culture, Literacy, and Argument in American Life
- 131 Three Big Questions

- 132 Ecology of the Text
- 133 Politics of Space, Public and Private
- 134 Architectures of Power
- 135 Travel and the Other
- 136 Imagining the American West
- 137 Representing Multiculturalism

### Other courses offered by English Department faculty

#### CONN 350, Food & Culture

Satisfies the Connections core requirement.

#### CONN 375, The Harlem Renaissance

Satisfies the Connections core requirement.

Elective in the African American Studies Minor.

#### CONN 379, Postcolonial Literature and Theory

Satisfies the Connections core requirement.

#### HON 101, Writing and Rhetoric

Satisfies Seminar in Writing and Rhetoric core requirement.

#### HUM 120, Culture and Crisis

Satisfies Scholarly and Creative Inquiry core requirement.

#### HUM 201, Arts, Ideas, and Society

Satisfies the Humanistic Approaches core requirement.

#### HON 211, Literature and the Construction of the Self

Satisfies the Humanistic Approaches core requirement.

#### HUM 302, Individuality and Transcendence in Medieval Literature

In addition, several courses in English serve as electives in the African American Studies Program, the Gender Studies Program, or the ILACA study-abroad program in London: See ENGL 306, 353, 360, 391, 405, 482, and 485.

**201 Intermediate Composition** This intensive writing course gives attention to analytical thinking, the rhetorical situation, the writer's responsibilities, and the revising and editing process.  
*Prerequisite: Completion of the Communication I or the Writing and Rhetoric seminar core requirement with a grade of "B" or higher, or by other arrangement with the department.* Offered Spring 2007.

**202 Introductory Creative Writing: Fiction** This course offers an introduction to the theory and practice of writing short fiction. Students write several short stories and present them to the class in a workshop format. The class also involves the reading and analysis of British, Irish, American, Canadian, and Continental short stories. Offered each semester.

**203 Introductory Creative Writing: Poetry** This course offers an introduction to the theory and practice of writing poetry. Students write poems and present them to the class in a workshop format. The class also involves the reading and analysis of British, Irish, Canadian, and American poetry from several literary periods. Students may also be required to attend poetry readings on campus. Offered each semester.

**205 Biography / Autobiography** In this course students examine biography and autobiography as forms of literature, focusing on the writer as subject and the problem of objectivity. Special consideration is given to the ideas of what the writer wishes to reveal about himself or herself in autobiography. Students write both analyses of others' biographies and autobiographies of their

own. Satisfies the Humanistic Approaches core requirement. Offered every other year; not offered 2006-2007.

**210 Introduction to English Studies** This course serves as an introduction to the English major; as such it provides a broad basis for the study of literature through reading, analyzing, and writing about a variety of literary and non-literary texts. Through close readings of poetry, fiction, drama, memoirs, and film, as well as literary criticism, students develop a critical vocabulary and interpretive frameworks for further reading and writing about literature. Students are also introduced to basic literary research tools. Course content varies by instructor. *Required of all majors.* Offered each semester.

**220 Introduction to Literature** This course examines literature as a particular form of human expression by analyzing a representative selection of novels, short stories, plays, and poems. This course offers students practice in the aesthetic and formal analysis of literary texts, traces significant developments in the history of various literary genres, and provides opportunities for students to explore the act of artistic creation in a literary context by writing a short story or poem or by attending dramatic performances or literary readings. Satisfies the Fine Arts Approaches core requirement. Offered Fall 2006.

**221 Survey of British Literature I: Medieval To Renaissance** This course surveys British literature from its beginnings through the Renaissance. Students examine the traditions and genres as well as the cultural and historical contexts of literary works and sharpen their skills in literary analysis. Among the writers discussed are the *Beowulf*-poet, Chaucer, Margery Kempe, Malory, Spenser, Shakespeare, and Milton. Offered regularly.

**222 Survey of British Literature II: Restoration to Romanticism** This course provides a survey of British literature from 1600 to 1837, a period that witnessed the beginnings of Enlightenment consciousness, the rapid expansion of the British Empire, and the revolutions that gave birth to our modern political order. In the context of scientific progress, the ethical imperatives of commerce, and revolutionary upheaval, students examine selected poetry, drama, and prose from the age in order to understand the historical and cultural development from Neoclassicism to Romanticism. Offered regularly.

**223 Survey of British Literature III: From Victoria to the Present** The literature of Great Britain and Ireland from the reign of Victoria to the present. Writers such as Tennyson, Browning, Dickens, Yeats, Joyce, Woolf, Gordimer, and Heaney are read against the social and cultural issues of their time. Offered regularly.

**224 Survey of American Literature I: Beginnings to Civil War** This course offers a survey of American literary history from its putative “beginnings” to the mid-nineteenth century. Interpreting literary works within their historical contexts, this course introduces students to a wide range of genres (such as poetry, the captivity narrative, the romance, the novel, and the manifesto) and cultural movements (such as Puritanism, the American Renaissance, Transcendentalism, sentimentalism, and reform). Offered regularly.

**225 American Literature II: Realism to the Present** This course surveys American literature from the late nineteenth century to the present. Students examine various genres and literary movements, from American literary realism to postmodernism, and interpret works within their cultural and historical contexts. Offered regularly.



- 226 Survey of Literature by Women** This survey course explores the tradition of literature by women from the Medieval period to the present. Students examine the patterns, themes, and purposes of women's literature, attending to the way the writing supports or subverts western traditions. Writers discussed include such figures as Kempe, D'Angouleme, de Lafayette, Behn, Austen, Beecher Stowe, Eliot, Woolf, Hong Kingston, and Morrison. Satisfies the Humanistic Approaches core requirement. Offered frequently.
- 230 Literature of the Human Experience** A seminar in reading, writing, and thinking that looks at experience through a variety of human lenses: race, gender, class, sexual orientation, religion, place, time, or culture. The course allows the student to examine his or her own identity through the study of works that have been paired or clustered to bring out divergent points of view. Satisfies the Humanistic Approaches core requirement. Offered Fall 2006 and Spring 2007.
- 236 Literature and the Quest for Personal Identity** This course explores how the individual's quest for identity has been stated in a wide variety of cultural contexts over time. Beginning in ancient epic, students follow the theme to the present day. Each work reflects a unique expression of time and place, but also voices the enduring human aspiration towards self-realization. Satisfies the Humanistic Approaches core requirement. Offered Spring 2007.
- 237 Popular Literature** This course studies mystery stories, romance, westerns, counter-culture literature, propaganda, and science fiction. The course examines how popular literature draws upon a rich and complex tradition of theme, genre, language, character. Offered on an occasional basis; not offered 2006-2007.
- 239 Loss and Renewal: American Voices, American Identity** This course takes as its starting point the question: "What constitutes American identity?" By reading texts from a variety of genres and cultural perspectives, the course explores the themes of community, loss, and identity. In what ways can these most central of human experiences be viewed as distinctly American? Commencing with the Declaration of Independence, the course traces an emerging American identity as it is articulated by figures central to American culture. This course explores these questions as they have been articulated over the last three hundred years. Satisfies the Humanistic Approaches core requirement. Offered Fall 2006 and Spring 2007.
- 244 Exploring Lyric Poetry** This course studies lyric poetry – shorter, compact, highly evocative poems, some forms of which spring from musical traditions. Students read lyric poetry from many eras of British and American literature, ranging widely from Shakespeare to Yeats, Dickinson to Ginsberg, Thomas Hardy to Langston Hughes, sonnet and ballad to ode, blues poems, and free verse. The course features the close reading and analysis of poems, the study of meter, rhyme, and other elements of prosody, and writing critically about poetry. Students also experiment with writing poems as one other way to study this fine art. The course explores many ways to study and enjoy, analyze and experience this enduring, highly adaptable form of literary art. Satisfies the Fine Arts Approaches core requirement. Offered Spring 2007.
- 255 Introduction to Shakespeare** This is an introductory study of Shakespearean drama intended primarily for non-majors. The course acquaints students with the historical setting within which Shakespeare wrote, exploring language and paradigms (political, geological, intellectual, religious) essential to Shakespeare's dramatic universe. Satisfies the Humanistic Approaches core requirement. Offered Fall 2006.

**267 Literature as Art** Studying and practicing methods of aesthetic and formal analysis of literary texts, students examine significant developments and representative works of said texts as works of art. Organized by theme or topic, the course invites students to reflect critically, both orally and in writing, about literature as art and the creative process. Satisfies the Fine Arts Approaches core requirement. Offered Fall 2006 and Spring 2007.

**300 Writing Beyond the Academy** This course explores how professional writing communities define themselves, their audiences, their documents, and their purposes in writing. Students read contemporary rhetorical theory related to composing in non-academic discourse communities - including technical, business, and computer-based communities - and learn how to adapt texts to reach a variety of audiences. Students write about, participate in, and observe the composing practices of a wide range of professional writers. *Prerequisites: Completion of the Communication I or the Writing and Rhetoric seminar core requirement and one other writing class.* Offered Fall 2006 and Spring 2007.

**301 Writing and Rhetoric** Through the lens of contemporary rhetoric, students examine the nature of writing as a rhetorical act and apply that understanding to a variety of writing projects. The course covers the symbolic and persuasive uses of language, the roles of writer and reader, and the rhetorical foundations for evidence and proofs in writing. The course includes readings, writing workshops, and extensive revision. Not offered 2006-2007.

**306 Playwrighting** This course focuses attention on the playwright as a maker and shaper of works for the theatre through an exploration of various approaches to playwrighting, as well as the study of significant contemporary American plays and playwrights. This course considers sources of inspiration for plays, strategy, plotting, characterization, and style. At the end of the semester, students present workshop performances of short plays. Crosslisted as THTR 306. *Prerequisites: One of the following: THTR 371, 373, 375; ENGL 341, 351, 353, and permission of instructor.* Offered Fall 2006.

**307 Writing and Culture** This course offers an introduction to the theory and practice of writing about culture. Students read and write about a wide variety of cultural artifacts - including art, concerts, dance, theatre, and literature - as well as explore how disciplinary and technological cultures affect writing. Through reading related texts, visiting cultural events, and writing about their own readings and experiences, students explore how cultural identity and cultural definitions are used and formed. Students are required to attend a wide range of cultural events, complete weekly writing assignments, and read a variety of genres in contemporary periodicals and books. *Prerequisite: Completion of the Communication I or the Writing and Rhetoric seminar core requirement.* Offered Spring 2007.

**308 Literary Nonfiction** Students enrolled in this course have an opportunity to study the techniques of expert non fiction prose writers and to write a wide variety of literary essays exploring those techniques. Writers of literary non fiction are scrupulous observers, fact-gatherers, and interpreters in prose. Writing assignments include topics such as the natural world, biography or profile, childhood memories, and cross-cultural experience and travel. Readings include essays by master non fiction writers such as Henry Adams, Barbara Ehrenreich, Edmund Wilson, Lewis Thomas, Loren Eiseley, Stephen Jay Gould, Tracy Kidder, Joan Didion, or E.B. White. *Prerequisites: Completion of the Communication I or the Writing and Rhetoric seminar core requirement and one other writing class.* Not offered 2006-2007.

**340-343 Literary Genre** In these four courses, literature is studied according to its major types or classes: poetry, fiction, drama, non fiction such as autobiography/biography, and the literary

essay. The formal and technical aspects of each type its conventions and development as modern literature are studied.

**340 Literary Genre: Poetry** Not offered 2006-2007.

**341 Literary Genre: Drama** Offered Fall 2006.

**342 Literary Genre: Prose (Fiction)** Offered Fall 2006 and Spring 2007.

**343 Literary Genre: Prose (Non fiction)** Not offered 2006-2009.

**344 The History of Literary and Critical Theory** Beginning with antiquity and ending with our own postmodern moment, students familiarize themselves with the concepts and stakes of the critical tradition. Areas to be covered may include Classicism, Neoclassicism, Romanticism, New Criticism, Reader-Response, Marxism, Psychoanalysis, Structuralism, Post-Structuralism, Cultural Criticism, and New Historicism. Not offered 2006-2007.

**345 History of the English Language** A study of the phonology, vocabulary, and grammar of the English language, tracing it from its Anglo-Saxon roots to its modern status as a world language. Language change is examined in the context of cultural change, and the course may investigate such contemporary concerns in linguistics as theories of grammar, dictionary usage, and bilingual education. Offered every other year; not offered 2006-2007.

**346 The History of Rhetorical Theory** This course examines major concepts and theorists within the rhetorical tradition, beginning with antiquity and ending with the present. Issues central to the course include whether the goal of rhetoric is necessarily persuasion, and whether the mode of presentation in speech or writing alters the meaning of rhetoric. Students explore the implications of rhetorical theory for daily life - particularly through the intersections between rhetorical theory and writing instruction, political and social activism, and visual media. Students who have received credit for ENGL 492 may not receive credit for ENGL 346. Not offered 2006-2007.

**350 Chaucer** A general introduction to the major and some of the minor poetry of Chaucer. Students are taught to read Middle English at an early stage in the course so that the poems can be easily read in Chaucer's own words. The literature is seen against the rich and complex backdrop of fourteenth-century war, politics, social struggle, and cultural development. Offered every other year; not offered 2006-2007.

**351 Shakespeare** A study of Shakespeare's plays (6-10) and selected criticism. Close and critical reading emphasizes the metaphoric power of Shakespeare's poetry, the rhythms established within character and plot, the patterns of imagery, the symbolic actions that reinforce theme and story line, the practical considerations of stagecraft, and the emergence of dominant ideas. Offered Fall 2006 and Spring 2007.

**353 Shakespeare the Dramatist** The aim of this course is to remind students that Shakespeare was a great dramatist as well as a great poet and to show students that his plays are still exciting and dynamic as theatre. The course is structured, therefore, around the Shakespeare plays that are in production at the time of the course. Five or six plays are selected. London provides the visiting student with many opportunities to see Shakespeare's plays performed well. A visit to Stratford-upon-Avon and to its Shakespeare Memorial Theatre is also included. Offered only as a part of the ILACA London program. Crosslisted as THTR 353.

**360 Major Authors** This course studies in depth the works of selected major writers. Although the focus is on the works themselves, authors' biographies, their place in literary history, and their

influence on later writers are also examined. Indirectly, the course also investigates the process whereby certain writers gain “major” status. Examples of writers studied are Woolf, Dickinson, Wordsworth, Faulkner, the Brontës, Melville, Yeats, Dostoevsky, Baldwin, and Morrison. Sometimes the course studies two writers whose careers are significantly related. May be repeated for credit. Topic for Fall 2006: Chaucer and the Gawain Poet; Topic for Spring 2007: TBA.

**377 Literature in a Changing World Order** This course explores the break-up of the British colonial empire of the nineteenth and twentieth centuries as reflected in literature and criticism. Offered every other year; offered Fall 2006 and Spring 2007.

**380 Literature and the Environment** This course explores the development of environmental writing in texts by British and American authors, with an emphasis on twentieth-century fiction and poetry. Covering a wide range of geographical settings and literary genres, the class examines each text as an argument for a particular “reading” of the environment, and it further inquires about real-world consequences of that reading. Writers covered include Thoreau, Edward Abbey, Annie Dillard, and Leslie Silko; the end of the semester focuses on texts of the Pacific Northwest by Ken Kesey, Ernest Callenbach, and Denise Levertov. This course addresses questions of both historical and topical importance: How pervasive is the Romantic vision of nature today? Is it useful or even possible to speak of “nature” as separate from human activity? How have the twentieth century’s many wars affected not only the environment but our understanding of it? Finally, what does environmental literature have to add to current scholarship on race, class, and gender? Offered every third year; not offered 2006-2007.

**388 Narrative in Literature and Film** The course examines the theory and practice of narration comparatively by studying important works of fiction and the films that have adapted those works to the screen. Questions the course pursues include the following: What notions concerning narrative structure do novelists and filmmakers share? How can we study a medium of text to enhance our understanding of a medium of light and sound – and vice versa? What constitutes a successful “adaptation,” and what aspects of fiction cannot be filmed? One aim is to enrich an understanding of narrative art by applying narrative theory to works of literature and film. Another aim is to experience compelling, enduring stories in different incarnations. The course includes such works of fiction (and their film adaptations) as *Sense and Sensibility*, *To Kill a Mockingbird*, *The Maltese Falcon*, *The Color Purple*, *Dr. Jekyll and Mr. Hyde*, *Oliver Twist*, *All Quiet on the Western Front*, and *Heart of Darkness*. Offered every other year; not offered 2006-2007.

**391 Studies in Lesbian and Gay Literature** This course examines the development, reception, and influence of lesbian and gay literature in English during the twentieth century. Students read representative literary and theoretical texts that investigate the complex interactions of sexuality, gender, class, race, and ethnicity in the literary representation of lesbian and gay experiences. Special attention is paid to the cultural factors that have influenced and constrained the development of lesbian and gay literatures, as well as to the questions of canonicity, authority, and audience that continue to inform their interpretation. Discussion may focus on a particular genre, a specific group of writers, or a set of issues or thematic concerns common to a number of major literary texts. *Prerequisites: ENGL 101 or Writing and Rhetoric Seminar*. Offered on an occasional basis; not offered 2006-2007.

**401 Contemporary Rhetoric** Designed for advanced students in writing and literature, this course explores issues and questions in contemporary rhetoric. By reading widely in rhetorical theory, students explore contemporary notions of authoring, textuality, and composing processes

and apply them to understanding both literary texts and their own work in the academy. Major topics of the course include writing communities, the writing process, the politics of literacy, collaborative writing, and how interactive computer texts are blurring traditional distinctions between reader and author. *Prerequisites: ENGL 101 or a Writing and Rhetoric Seminar and one other writing course.* Offered Fall 2006.

**402 Advanced Creative Writing: Fiction** This course offers advanced studies in the writing of short fiction. Students write and revise several stories in a workshop format, and they produce an essay that examines their developing notions about the short-story form. The course also includes the reading and analysis of British, American, Irish, Canadian, and Continental short stories, and it involves a study of the theory of short fiction. *Prerequisites: ENGL 202 and permission of the instructor.* Offered Fall 2006 and Spring 2007.

**403 Advanced Creative Writing: Poetry** This course offers advanced studies in the writing of poetry. Students write and revise several poems in a workshop format, and they produce an essay that examines their developing notions about poetry and imagination. The course also includes the reading and analysis of British, Irish, Canadian, and American poetry from several periods and investigates versification and other elements of poetics. *Prerequisites: ENGL 203 and permission of the instructor.* Offered Fall 2006 and Spring 2007.

**405 Writing and Gender** This course explores the dynamics of gender as they are enacted in the processes of writing and publishing texts. Students take historical, interdisciplinary, and contemporary perspectives on the gendered activities of writing and writers and explore how these activities are constrained by their social and cultural contexts. Students read primary rhetorical texts written by both women and men in the nineteenth and twentieth centuries and analyze them in terms of contemporary theoretical debates on how gender influences the composing process. Specifically, students read interdisciplinary accounts of how gender impinges on writing (including Belenky, Gilligan, and Seidler), historical accounts of shifting notions of the influence of gender on grammar and authorship (including work by Baron, Campbell, Lunsford, and Ede), and contemporary theoretical studies of women's language (Heilbrun, Russ) and the men's movement (Seidler). Elective in Gender Studies. *Prerequisites: ENGL 101 or a Writing and Rhetoric Seminar and one other writing course.* Offered Fall 2006.

**440 Studies in Medieval Literature** This upper-division course is usually taken by juniors and seniors with some experience in literary and historical analysis. The course explores a breadth of medieval literary genres and writers in a historical context. Thus, this course situates the production of literature in a manuscript culture, asking students to explore the politics of literacy, writing, and audience. This course necessarily negotiates the idea of shifting epistemologies and cultural values. Cultural constructs explored include the idea of courtly love, individualism, gender, authorship, mystical experience, and the conflicting world views of paganism and Christianity. Students are asked to engage these issues in seminar discussion, direct discussion, write abstracts, produce a contextual study on the writer of their choice (a proposal, a selective bibliography, a 7-10 page historical essay, and a 15-20 page interpretive study of the writer and work in context). *Prerequisite: ENGL 221.* Offered every other year; not offered 2006-2007.

**441 Studies in Sixteenth-Century British Literature** The course addresses the work of English writers of the sixteenth century, especially More, the Sidneys, Spenser, Marlowe, and Shakespeare. At different times it focuses on such issues as the consequences of the introduction of the printing press; the status of the poet and the courtier; writing by women; the cult of love and the develop-

ment of the sonnet; the literature of the “Renaissance” of Humane Learning and the Reformation of the Church; the Bible in English; politics in the Elizabethan drama and epic; and competing styles of comedy and tragedy on the stage. *Prerequisite: ENGL 221 or permission of instructor.* Offered every other year; not offered 2006-2007.

**442 Studies in Seventeenth-Century British Literature** The seventeenth century in England saw a split in the political nation and in Protestantism that led to the Civil War, along with major shifts in physical and political science, cosmology, and spirituality. In the light of these events, the course looks at the work of the writers of the period (especially Bacon, Donne, Wroth, Herbert, Hobbes, Browne, Milton, Marvell, Dryden, Bunyan, Newton, and Locke), examining such issues as the cultures of the court and the town; the representation of authority in religion, politics, and art; the emergence of “modern” perspectives in the physical sciences and the political concept of the individual; the literature of Anglicans, Catholics, Puritans, and Quakers; writing by women; the “Metaphysical” poem; the development of Baroque and Classical styles; Jacobean and Restoration drama, and the Miltonic epic. *Prerequisite: ENGL 221 or ENGL 222 or permission of instructor.* Offered every other year; not offered 2006-2007.

**443 Studies in Eighteenth-Century British Literature** This advanced seminar examines British literature from the “long” eighteenth century (1600-1800). The course focuses on poetry, drama, and/or prose in the context of literary, cultural, philosophical, scientific, social, economic, or political movements of the period. Subjects to be investigated may include Enlightenment, Neoclassicism, Sensibility, Early Romanticism, empire, or revolution. *Prerequisite: ENGL 222 or permission of instructor.* Offered every other year; not offered 2006-2007.

**444 Studies in Nineteenth-Century British Literature** This course considers late eighteenth and nineteenth-century British literature, the Age of Sensibility through Romanticism to Victorianism. One version of the course studies the Gothic novel, the sentimental novel, the revolution in English poetry during the Regency, and the transition to Victorianism in the early years of the reign of George IV. Radcliffe, Edgeworth, Austen, Scott, Wordsworth, Keats, Byron, Peacock, and Carlyle are among the writers emphasized. *Prerequisite: ENGL 222 or ENGL 223 or permission of instructor.* Offered every other year; not offered 2006-2007.

**445 Studies in Twentieth-Century British Literature** A survey of important British literary artists from the latter part of the nineteenth century through the twentieth century. Students study a range of critical methodologies that help them explore canonical and noncanonical works. Emerging themes of decadence, anarchy, women’s rights, socialism, and aesthetics are investigated. The course also includes an examination of important literary movements - symbolism, Freudianism, realism, and nationalism - through the works of major twentieth-century writers of Britain and Ireland. *Prerequisite: ENGL 223.* Offered every other year; not offered 2006-2007.

**446 Studies in Seventeenth and Eighteenth-Century American Literature** This course considers early American literature from the seventeenth and eighteenth centuries. The course may address literary, cultural, or political movements of the period, including Calvinism, the Great Awakening, the American Revolution, and Federalism. Possible course topics include Early American Autobiography, Puritan Poetry, Literature of the Early American Republics, and Literature of Crime and Punishment. *Prerequisite: ENGL 224 or permission of instructor.* Offered every other year; not offered 2006-2007.

**447 Studies in Nineteenth-Century American Literature** This course considers American literature from the nineteenth century. The course may address literary, cultural, or political

movements of the period, including nationalism, Transcendentalism, the American Renaissance, Sentimentalism, Revivalism, Abolitionism, Feminism, Realism, and Naturalism. Possible course topics include the Literature of Reform, Literary Abolitionism, American Romanticism, and Turn-of-the-Century Novel. *Prerequisite: ENGL 224 or 225 or permission of instructor.* Offered every other year; offered Fall 2006.

**449 Studies in Twentieth-Century American Literature** An advanced course in American literature, this course is a requirement for upper-division English majors and an elective for students seeking to broaden their liberal arts educations. It focuses on specific historical, literary, and cultural topics in twentieth-century American literature. The emphasis on literary texts is balanced with attention to secondary sources and literary scholarship. The course also includes perfecting methods of literary analysis, instruction on writing about literature, and challenging writing assignments. Topics vary depending upon the instructor, but may include war and peace, political and economic change, ethnicity and gender, marginalization, canonical and extracanonical texts, and modernism and postmodernism. *Prerequisite: ENGL 225 or permission of instructor.* Offered every other year; offered Spring 2007.

**451 Shakespeare at Ashland** Advanced study of the dramatic works of William Shakespeare through analysis of the texts and performances on the current year's schedule at the Oregon Shakespeare Festival in Ashland. Individual student projects may focus on performance, history, performance-oriented approaches to interpretative problems, or teaching Shakespeare through performance. *Prerequisite: ENGL 255 or 351 or equivalent and permission of the instructor.* Offered on an occasional basis in Summer Session.

**458 Contemporary American Fiction** This is an upper-division seminar focused on American fiction written from 1945 to the present. Situating contemporary U.S. fiction in the literary, historical, and cultural contexts pertinent to its creation, the course attends to a variety of issues, which may include canon debates, postmodernism, the relation of history and fiction, the politics of literary form, the prominence of fiction by women and writers of color, and other developments of cultural importance (such as environmentalism, digital media, and post-industrialism, to name a few). Questions of narration, character, plot, and setting are examined, even as the course considers whether contemporary fiction demands new categories of analysis. Offered on an occasional basis; offered Fall 2006.

**459 Contemporary American Poetry** This course explores the diverse aesthetics and cultural locations of American poetry since 1945. Situating contemporary U.S. fiction in the literary, historical, and cultural contexts pertinent to its creation, the course may attend to a variety of developments, including New Critical formalism, the New American poetry, Beat poetry, the poetry of liberation movements (feminist, black nationalist, Chicano/a, Asian American, Native American, and gay and lesbian), the rise of graduate writing programs, language poetry and other radical formalisms, and performance poetry (including poetry slams), among others. Issues of literary theory, poetry and community, and institutional settings are also addressed. Offered on an occasional basis; not offered 2006-2007.

**460 CrossCurrents Review** .25 activity credit The program requires editing, reviewing, criticism, and oral discussion of all manuscripts and art work on a weekly basis. Active promotion and publicizing of *Crosscurrents Review* and managing the Crosscurrents organization as a whole. Mandatory pass/fail grading. Offered every semester.

**470 Special Topics** This course provides students an opportunity to focus their interests and to gain expertise in a specialized area through a more concentrated study of themes than is normally explored in a survey or major authors course. The topics accord with an instructor's particular scholarly interests. May be repeated for credit. Topic for Fall 2006: Realisms. *Prerequisite: relevant survey course or instructor permission.*

**471 The Nature of Contemporary American Nature Writing** This course studies a wide range of American writing about nature, including poetry, fiction, and nonfiction. It also uses this writing to identify key issues, controversies, historical patterns, and assumptions concerning the relationship of American society to "the land." The course also investigates and assesses the philosophical, rhetorical, and formal contexts of "environmental literature." *Prerequisite: ENGL 224 or ENGL 225 or permission of instructor.* Offered on an occasional basis; not offered 2006-2007.

**472 God, Sex, and Society in Milton and Blake** Both Milton and Blake lived through an age of revolution and used their poetry to probe and reshape the ideologies of society and personality - Milton positing his radical notion of "Christian liberty" in the politics of Church and State, in marriage, in doctrine, and in poetry; Blake radicalizing Milton's notion in turn, in the time of the American and French Revolutions, in order to "awaken" the human being from the sleep of the Newtonian order in science and society. The course studies Milton's poetry and political prose and Blake's poetry and illuminations, especially for the ways in which they represent the liberation of the human being, a society, and a God in process. *Prerequisite: ENGL 221 or ENGL 222 or permission of instructor.* Offered on an occasional basis; not offered 2006-2007.

**473 The Bible and the Literary Tradition** The course begins with a brief introduction to the literary traditions and materials within the Hebrew Bible and the New Testament (especially law, narrative, prophecy, hymn, and laments) and the political contexts for the composition of certain Hebrew and Christian texts (including Genesis, Exodus, Amos, Psalms, Ruth, Mark, John, and Revelation.) The second part of the course presents first the history of the reception of the Biblical texts in England, in both Latin and English translations, through the period of the Reformation - when the different constructions of the texts in English implied different programs for the reconstruction of personality and society, both in England and America. The class studies the ways that the Biblical materials function in the works of writers who take divergent ideological positions in seventeenth-century England (Herbert and Vaughan on the one hand; Milton and Bunyan on the other), and then, again, in the crises of society and belief in Victorian England (Arnold, Hopkins, George Eliot). In addition, each student has the opportunity to study the particular use that one writer or group has made of Biblical materials in shaping a response to the social and ideological issues of the day. Suggested writers and groups include Spenser, Donne, New England Pilgrims, early Quakers, Blake, Dickinson, Whitman, Lawrence, T. S. Eliot, Liberation Theologians, Toni Morrison. *Prerequisite: ENGL 221 or ENGL 223 or permission of instructor.* Offered every three years; not offered 2006-2007.

**474 Literature of Empire** An exploration of the break-up of the British colonial empire of the nineteenth and twentieth centuries as reflected in literature and in literary criticism. Emphasis is placed upon the idea of imperialism, the role of culture in imperial expansion, the conception of national character, and the process of decolonization. The readings trace the theory of empire in the metropole and its practice in the colony. Writers include Macaulay, Kipling, Conrad, Yeats, Forster, Greene, Achebe, Gordimer, and Friel. *Prerequisite: ENGL 223 or permission of instructor.* Offered every three years; not offered 2006-2007.



**475 The Irish Literary Revival** This course explores Irish literary and cultural history from the Fenian uprisings in 1867 to Irish neutrality in World War II. It is chiefly concerned with the role of literature in the shaping of cultural nationalism, but it also considers major political events in Ireland during this period, especially the armed rebellion against Britain between 1916 and 1921. The seminar concentrates on Yeats, Lady Gregory, Joyce, J. M. Synge, and Sean O'Casey, but considers other writers who were important to the development of literary nationalism, among them George Moore, Katherine Tynan, Peg Sayers, Frank O'Connor, and Sean O'Faolain. *Prerequisite: ENGL 223 or permission of instructor.* Offered every three years; offered Spring 2007.

**476 Shakespeare's World** William Shakespeare, Christopher Marlowe, and Galileo Galilei were each born in 1564 - what in the world was going on? This course takes an interdisciplinary look at the culture, ideas, and events of early modern Europe with a particular focus on their effects on English theater. Readings range from Luther, Galileo, and Montaigne to Shakespeare, Jonson, and Marlowe. Crosslisted as THTR 476. Offered every other year; not offered 2006-2007.

**477 The Rhetoric and Culture of the City** This course studies "the city" as it is defined, represented, imagined, attacked, and defended in a variety of literary texts, non-literary texts, and other cultural products, such as maps, posters, drawings, photographs, and motion pictures. Individual instructors choose one, two, or three particular cities around which to organize the study of fiction, poetry, and autobiography. The course also considers letters and diaries, and especially with individualized projects, it broadens analysis and discussion to other cultural products. One major focus of study is the rhetoric of literary and non-literary representations of the city and more general concepts of "the city," "the citizenship," and "urbanity." One aim is to use the course material for help in reflecting on individual experience with cities, their rhetoric, and their cultures. Another aim is to study the idea of "London" or "New York" (for example) as a symbol used in a variety of rhetorical situations and cultural moments. *Prerequisite: ENGL 101 or a Writing and Rhetoric seminar and one other course in English.* Offered every three years; offered Spring 2007.

**478 Jane Eyre and Revision** This course is concerned with the endurance of the "Jane Eyre" story in fiction. Beginning with Charlotte Brontë's *Jane Eyre* (1847), students examine a variety of novels and films that attempt to rewrite some aspects of the original. Students examine the context each revision emerges from and what it does to the status of the original. Finally, students consider shifts in the critical and feminist reception of these texts. Texts vary, but are selected from the following: Braddon, Gissing, James, Woolf, Forster, du Maurier, Rhys, Kincaid, Balasubramanyam, Winterson. Students who have received credit for ENGL 470 (Jane Eyre and Revision) may not receive credit for ENGL 478. *Prerequisite: ENGL 210.* Offered every other year; offered Spring 2007.

**481 Asian American Literature** This course explores important works of Asian-American literature, including poetry, novels, nonfiction, and drama. It traces the development of this literature, explores questions of form, and examines issues of Asian-American history and identity through the lens of literature. *Prerequisite: ENGL 225 or permission of instructor.* Offered every other year; not offered 2006-2007.

**482 Topics in African American Literature** This course considers African-American literature in its aesthetic, cultural, historical, and political contexts. Within the African-American expressive tradition, the course may address important literary genres (slave narrative, racial uplift fiction, blues poetry); distinct cultural forms (call-and-response, signifying, testifying); and pivotal

cultural movements (abolitionism, the Harlem Renaissance, Black Arts, womanism). Possible course topics include the Literature of the Black Atlantic, African-American Literature Between the Wars, and Black Feminist Literature. Counts toward minor in African American Studies. Not offered 2006-2007.

**483 Celtic Literature in Translation** This course is a general introduction to the literature of the Celtic peoples, particularly the Irish and the Welsh, from the seventh to the fourteenth century. Rather than attempt to survey each literature separately, the class studies the major texts in Irish and Welsh from a comparative point of view, looking at the assumptions they commonly share about the function of literature, the role of the prose narrator and bard in an aristocratic or monastic culture, the place of the ancient pagan mythology within a Christian literary milieu, and the character of traditional Celtic heroes and heroines. In an effort to understand the particularly Celtic character of the works under consideration, the class often looks to English, European, or modern Celtic authors themselves for their treatment of kingship, honor, shame, love, violence, and death. Also, because Celtic literature often preserves an archaic view of the structure of society, the course draws on the disciplines of comparative mythology and structural anthropology in order to inform the reading. As with the study of all early literatures, Celtic literature offers a unique challenge to modern critical assumptions and helps to broaden the concept of what literature is. *Prerequisite: ENGL 222 or permission of instructor.* Offered every three years; not offered 2006-2007.

**484 Indian Fiction** This course is an introduction to some of the variety and complexity of fiction from India. It focuses primarily on novels and short stories written in English and considers the role they played in colonial, anti-colonial, and nationalist struggles and in definitions of who constitutes an "Indian." Writers studied are selected from the following: Tagore, Anand, Narayan, Rushdie, Ghosh, Roy, Sahgal, Hariharan, Chandra, Desai. Students who have received credit for ENGL 470 (Indian Fiction) may not receive credit for ENGL 484. Offered every other year; offered Fall 2006.

**485 Literature and Gender** This course explores the dynamics of gender in literature. Students analyze literary texts to raise questions about the intellectual, social, cultural, political, and philosophical contexts from which they emerge. Issues discussed include sexual politics and power; the relation of imperialism and racism to questions of gender; and the influence of gender on writing as an act of self-determination. The course sometimes deals with a selection of material from the historical literary tradition and sometimes with more contemporary authors, either from the U.S. (Wharton, Rukyser, Morrison) or abroad (Gordimer, Hulme, Jhabvala). Satisfies a Gender Studies elective. *Prerequisite: ENGL 221, 222, 223, 224, 225 or 226.* Offered every other year; not offered 2006-2007.

**486 Native American Literature** This course explores the diversity of literary voices and forms that have emerged from native North American communities throughout the period of contact. The class reads examples of traditional oratory, native adaptations of Western literary forms, and experimental genres, paying special attention to the historical context and cultural specificity that mark Native American literatures. The course also focuses on contemporary and historical topics critical to an understanding of Native American life within the U.S., including, but not limited to: cultural and spiritual appropriation, pan-tribalism, struggles for sovereignty, innovations on tradition, native language recovery, gender and sexuality in native communities, and land/environmental issues. Offered every other year; offered Spring 2007.

**491 Critical Theory Since the 1930s** This course examines literary criticism and theory from the 1930s to the present. Areas that may be addressed range from the Psychoanalytical, Marxist, Post-Structuralist, Feminist, and Post-Colonial theory to New Historicism and critical theories of race, culture, and ethnicity. *Prerequisite: Senior standing or permission of instructor.* Offered every other year; not offered 2006-2007.

### **495 / 496 Independent Study**

**497 The Writing Internship** This course has two components, fieldwork and classwork. Students work as writing interns in advertising, public relations, journalism, television, and in other areas. The classroom component is conducted as a senior seminar. Students make presentations on a variety of topics, discuss internship experiences, and receive information on publishing and professional writing. *Prerequisite: Permission of instructor and approval of the Internship Coordinator (see description on page 281 of this Bulletin).* Offered Spring 2007.

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## ENVIRONMENTAL STUDIES

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Director: Karin Sable, *Economics*

Assistant Professor: Travis Horton; Daniel Sherman, *Luce Assistant Professor of Environmental Policy and Decision Making*

Advisory Committee: Joel Elliott, *Biology*; Travis Horton, *Geology and Environmental Studies*; Lisa Johnson, *Business and Leadership*; Steven Neshyba, *Chemistry*; Amy Ryken, *Education*; Karin Sable, *Economics*; Douglas Sackman, *History*; Daniel Sherman, *Environmental Studies and Politics and Government*; Jeffrey Tepper, *Geology*

### **About the Program**

The Environmental Studies Program offers a locally and regionally focused interdisciplinary minor program designed to help students integrate their major areas of study with the scientific, social scientific, and humanistic dimensions of environmental issues. Students who minor in Environmental Studies 1) learn to conduct critical analyses by deconstructing environmental problems or issues into their relevant scientific, social, and cultural dimensions, 2) develop an understanding of the multiplicity of values, norms, interests, incentives, and scientific disciplines that shape environmental issues, 3) learn to reconstruct environmental problems by engaging in dialogue across disciplines to identify both constraints and possibilities for problem resolution, and 4) become fluent in one or more current environmental issues, demonstrating an understanding of system dynamics and human problem-solving contexts.

The program faculty believe that environmental studies is best accomplished when carried on in conjunction with work in another major area of study. Students who elect to minor in Environmental Studies should consult with a second advisor familiar with the Environmental Studies Program. Environmental Studies advisors will help students to design a minor program that will complement their majors and help them to focus their studies in areas of interest to them.

### **General Requirements for the Minor**

General university degree requirements stipulate that 1) three units of the minor be taken in residence at Puget Sound; 2) students earn a GPA of 2.0 in courses taken for the minor; and 3) all courses taken for a minor must be taken for graded credit. Any exceptions to these stipulations are indicated in the minor degree requirements listed below.

## Requirements for the Minor

ENVR 105, Environmental Science; or two courses chosen from BIOL 111, 112, CHEM 110, GEOL 101, 104, or 105 may substitute for this requirement where the two courses come from different sciences

ENVR 110, Environment and Society

ENVR 400, Senior Seminar in Environmental Studies

Three units selected from the following courses. Courses have been organized into categories for informational purposes only. Students may select electives from any category or categories. Students are encouraged to fulfill this requirement with courses outside their general area of expertise. At least two of the courses used to fulfill this requirement must be in programs outside the student's major. The courses used to fulfill this requirement may not also be used to meet a requirement for a major. Students should contact the specific department to determine when a course will be offered. Students may also use one unit of independent study or internship (ENVR 495/496 or 497/498) to satisfy an Environmental Studies elective.

## Science Perspectives

BIOL 211, General Ecology

BIOL 377, Field Botany

BIOL 378, Vertebrate Zoology

BIOL 477, Marine Biology

CHEM 345, Chemistry and Physics of Atmospheres

ENVR 301, Global Environmental Change (not offered 2006-2007)

ENVR 322, Water Policy

GEOL 303, Geomorphology (not offered 2006-2007)

GEOL 310, Water Resources (not offered 2006-2007)

GEOL 320, Environmental Geochemistry

GEOL 321, Regional Environmental Geology

GEOL 330, Regional Field Geology (not offered 2006-2007)

STS 341, Modeling the Earth's Climate

## Social and Cultural Perspectives

COMM 368, Organizational Communication Systems (not offered 2006-2007)

CSOC 213, Urban Sociology

CSOC 230, Indigenous Peoples: Alternative Political Economies

CSOC 316B, Social and Cultural Change

CSOC 323, Tourism and the Global Order

ENGL 380, Literature and the Environment (not offered 2006-2007)

ENVR 335, Thinking about Biodiversity

HIST 364, American Environmental History

HIST 369, History of the West and the Pacific Northwest

## Policy Perspectives

CONN 381, Environmental Law

ECON 325, Environmental and Natural Resource Economics

ENVR 325, Geological and Environmental Catastrophes (not offered 2006-2007)

ENVR 333, Forest Policy in the Pacific Northwest (not offered 2006-2007)

ENVR 340, Salmon Recovery in the Pacific Northwest (not offered 2006-2007)

PG 309, Environmental Politics and Policy in the United States

## Course Offerings

Unless otherwise specified, each course carries 1 unit of credit and is offered at least once each academic year. Please see “Frequency of Course Offerings” on page 16.

**Connections courses.** See the *Connections* section the *Core Curriculum* section of this *Bulletin* for course descriptions (page 37)

**322 Water Policy**

**325 Geological and Environmental Catastrophes**

**335 Thinking About Biodiversity**

**105 Environmental Science** In this course, students examine the Earth as a system of integrated biogeochemical cycles (such as water, carbon, nitrogen, and sulfur). Students come to understand these cycles by integrating relevant aspects of biology, geology, chemistry, and physics. Students learn how human activities can affect these natural biogeochemical cycles and inquire into potential system reaction to such impacts. This course also introduces students to the ways in which science is integrated into the interdisciplinary process of environmental studies. Satisfies the Natural Scientific Approaches core requirement.

**110 Environment and Society** In this course, students consider how humans interact with the natural and physical environment. Students examine interconnections among individuals, social groups, and natural environments. Students evaluate the roles of social, political, economic, and cultural institutions as both causes of environmental problems and potential sources of resolution. In this interdisciplinary course, students explore the interplay of values, culture, and policy in a context marked by uncertainty and controversy.

**210 Environmental Decision Making** This is a “learning-by-doing” course that focuses on acquiring and then applying knowledge about effective ways to approach common environmental decision-making problems. Environmental decisions are no longer the exclusive province of technical experts employed by government bureaucracies. Pioneering efforts to involve groups of environmental stakeholders (such as environmental groups, business interests, tribes, officials at all levels of government, and other interested citizens) in the decision-making process began 30 years ago. Now environmental decisions are held to an expectation (both legally and in the eyes of the public) of public deliberation. This course explores the theory behind and the practical skills needed to make decisions in complex environments. *Prerequisite: ENVR 110.* Not offered 2006-2007.

**301 Global Environmental Change** We can predict the weather, but we can’t control it. We can consume fossil fuels, but we can’t create them. These two examples demonstrate the unique position humans occupy within the Earth system. Humans possess unprecedented tools and abilities, yet remain subject to the conditions of nature: a system of dynamic biological, geological, chemical processes governed by the laws of physics. This perspective on the human position within the Earth system underscores the challenges humans face in trying to achieve a sustainable existence. This course applies a multidisciplinary scientific approach to the task of deciphering the systemic processes of Earth on a variety of spatial and temporal scales. The first half of the course takes a process-oriented approach to understanding Earth as a global biogeochemical system, including the global water, carbon, nitrogen, phosphorus, and sulfur cycles, while the second half of the course takes a topical approach to addressing the scientific basis for a variety of modern environmental issues including global warming and Earth’s climate system, air pollution, population growth, natural disasters, global biodiversity, and sustainable development. The required labora-

tory component of the course is project-based. Each of the three laboratory projects include field-based observation and data collection, computer-based geographic information systems (GIS) image processing, and written group project reports that are presented to the class. Laboratory projects complement lecture material by challenging students to evaluate regional environmental issues in terms of the natural processes at work in the Earth system. *Prerequisite: ENVR 105 or two courses from BIOL 111, 112, CHEM 110, GEOL 101 (or 104 or 105).* Offered every other Fall semester; not offered 2006-2007.

**333 Forest Policy in the Pacific Northwest** This course focuses on the biology, economics, and politics of protecting and using biodiversity. More specifically, it focuses on the science and policy process surrounding the “ancient forests” of the Pacific Northwest, in particular various federal forest management efforts including the Northwest Forest Plan and the Healthy Forests Initiative. The class learns about forest ecology and management, examines the institutions involved in the management of federal and state forestlands, and investigates the policy process that has evolved for managing public forests. Forests and forest policy are the vehicles used to examine: 1) the extent to which science influences political decisions - decisions that have far-reaching economic and political consequences, and 2) how democratic societies consider complex and contentious issues. Students are asked to integrate their knowledge of all the issues surrounding this complicated environmental controversy and develop plans for timberlands while trying to satisfy multiple stakeholders. Not offered 2006-2007.

**340 Salmon Recovery in the Pacific Northwest: Science and Conflict** This course focuses on the biology, economics, and politics of protecting biodiversity, specifically on efforts at protecting endangered and threatened salmon populations in the Columbia River basin under the Endangered Species Act. The class investigates the costs and benefits of sustaining viable salmon populations in the Columbia and, so doing, examine 1) the extent to which science influences political decisions - decisions that have far-reaching economic and political consequences, and 2) how democratic societies consider complex and contentious issues. Students are asked to integrate their knowledge of all the issues surrounding this complicated environmental controversy and develop plans for dealing with declining salmon populations. Not offered 2005-2006.

**400 Senior Seminar in Environmental Studies** This course analyzes one current environmental issue from the perspectives of the sciences, the social sciences, and the humanities. Students collectively examine the case from different disciplinary perspectives in an attempt to understand issues in their full complexity. Students conduct an in-depth research project on issues and present their findings in an open forum. Students formulate their own problem-solving approach to environmental problems and recognize how their approach connects to the work of others. *Prior to enrolling in this class, students must have completed 4 of the 6 courses required for the minor and must have senior standing.* This course is offered during the Fall semester only.

### **495 / 496 Independent Study**

**497 / 498 Internship** Work experience related to an academic program in environmental studies. Actual placements are determined by mutual agreement between the student and program faculty. *Prerequisite: Approval of Internship Coordinator (see description on page 281 of this Bulletin).*

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## EXERCISE SCIENCE

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Professor: Heidi Orloff; Barbara Warren, *Chair*;

Associate Professor: Karim Ochosi

Assistant Professor: Gary McCall

Teaching Specialist: Mark Massey

### About the Department

#### Mission

The mission of the Department of Exercise Science is to deliver a program that applies the scientific foundations of human movement to help graduates understand the complex relationships among work, physical activity, health, and realizing human potential. This is accomplished through thoughtful and guided consideration of information and values integrated and synthesized from a number of disciplines. Students develop critical thinking skills to analyze the rapidly increasing body of knowledge on how physical activity and movement affect the quality and quantity of the human experience. Students are trained to communicate this information effectively and to help lead people to achieve healthier and fuller lives.

#### Departmental Goals

Students in Exercise Science develop a firm foundation of knowledge within the field that enables them to apply the scientific method of inquiry toward the improvement of the human condition. Additionally, students

1. develop their abilities to communicate effectively through discussion, written work, and oral presentation;
2. develop their abilities to assess, analyze, evaluate, and predict from observation and sound data collection;
3. learn to integrate ethical standards and differing values related to their future personal and professional lives;
4. develop reasoned independence showing curiosity and leadership in the field of exercise science;
5. become prepared for further study within and outside of the field of exercise science.

The Exercise Science Department provides a Bachelor of Science degree program with a theoretical as well as a practical background in human movement and its applications to health. A foundation of scientific courses is integrated with courses that include consideration and application of the ethical, philosophical, psychological, and social aspects of movement to understand how activity enhances the human experience. Through a sequence of courses, the department develops the students' analytical approach to problem solving, careful observation and data reporting techniques, data analysis, and writing and presentation skills for communicating findings.

The Exercise Science program is designed for those students preparing for graduate study in exercise science, medicine, nursing, physical therapy, occupational therapy or other allied health fields, and public health, or for those seeking employment in corporate, or private health and fitness programs. The curriculum concentrates on the scientific background of human movement studies. A senior thesis allows students the opportunity to conduct research projects using sophisticated equipment such as computer-assisted motion analysis, multidimensional force plate, oxygen and carbon dioxide analysis for resting metabolism and maximal aerobic capacity, hydro-

## Exercise Science

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static weighing for body composition, ECG's for cardiovascular responses, and isokinetic testing of muscle strength and endurance. Graduates of this program will qualify for further training and certification programs in cardiac rehabilitation, primary prevention and exercise test technology, and exercise and fitness prescription.

### General Requirements for the Major or Minor

General university degree requirements stipulate that 1) at least four units of the major or three units of the minor be taken in residence at Puget Sound; 2) students earn a GPA of 2.0 in courses taken for the major or the minor; and 3) all courses taken for a major or minor must be taken for graded credit. Any exceptions to these stipulations are indicated in the major and minor degree requirements listed below.

### Requirements for the Bachelor of Science Degree

1. Completion of the following courses: EXSC 201, 221, 222, 270, 362, 363, 375, 425, 480, 400 or 490.
2. Completion of the following cognate courses: CHEM 110, MATH 271, and PHYS 111 or 121 (most Physical Therapy programs require a second semester of physics: PHYS 112 or 122).

### Requirements for the Minor

A Minor in Exercise Science requires completion of six courses to include EXSC 221/222; EXSC 270, EXSC 201; EXSC 362, 363, or 425; and 1 additional unit in Exercise Science at the 300-400 level.

**Note:** The Exercise Science Department reserves the option of either excluding courses more than 10 years old from applying to a major and minor or requiring such courses to be repeated. All transfer students majoring or minoring in Exercise Science are required to take a placement examination in Human Anatomy and Physiology.

### Course Offerings

Unless otherwise specified, each course carries 1 unit of credit and is offered at least once each academic year. Please see "Frequency of Course Offerings" on page 16.

**First-Year Seminars.** See *First-Year Seminars in the Core Curriculum section of this Bulletin for course descriptions (pages 17 and 29).*

#### *Writing and Rhetoric*

##### **123 Understanding High Risk Behavior**

**201 Nutrition and Energy Balance** This course is intended to provide the student with the basic concepts of nutrition and exercise as they relate to health and the prevention of disease. Metabolism and energy values of food and physical activity are explored along with the introductory data analysis techniques used in the personal evaluation of nutritional and exercise habits. Students research the literature, debate and write informed opinions on controversial issues, such as organically grown foods and supplements. Other topics include food safety, fads, advertising, weight control, food-related diseases, menu planning, and nutritional needs throughout the life cycle.

**221 / 222 Human Anatomy and Physiology** 1 unit each An integrated course in which the structure and the function of the various systems of the human body are presented in relationship to the development and maintenance of the human body as a complex organism. *Prerequisites:* BIOL 111 or 121 or equivalent for EXSC 221; EXSC 221 for EXSC 222. EXSC 221 offered in Fall semester; EXSC 222 offered in Spring semester.



**270 Applied Analysis of Physical Assessments** This course is intended to introduce the student to the exercise science laboratory and fitness assessment. Test procedures and the significance of each test are explored through application of measurement and evaluation procedures. Emphasis is placed on following careful data collection and interpretation of results.

**327 Care and Prevention of Injuries to the Physically Active** This introductory course explores the management of conditions limiting the functional capabilities of the physically active individual whose activities may range from occupational tasks to recreational sports. Information dealing with the prevention, recognition and management of these injuries or conditions is presented. Practical application of taping and bandaging techniques is also included. Offered infrequently; offered Fall 2006.

**362 Physiology of Exercise I: Bioenergetic, Cardiovascular, Neuromuscular, and Molecular Aspects** This is the first of two courses that explore the body's acute responses and long-term adaptations to various levels of exercise and modes of activities. Students focus on understanding how the body's bioenergetic, cardiovascular, neuromuscular, and intracellular systems respond to the perturbation of exercise and how physical activity and training affect health, disease, and the quality of life. Throughout the course, variations in responses between gender and age groups are considered. Lecture and laboratory topics include bioenergetics, cardiorespiratory function, ergometry, fatigue, body composition, muscle fiber types, motor control of movement, growth and maturation, inactivity, morbidity and costs to the nation, and exercise prescription. Formal laboratory reports and a review of literature are required. *Prerequisites:* EXSC 221, 222. *Recommended:* EXSC 201 and 270.

**363 Physiology of Exercise II: Respiratory, Environmental, Metabolic, and Hormonal Aspects** This is the second of two courses that explore the body's acute responses and long-term adaptations to various levels of exercise and modes of activities. Students focus on understanding how the body's cells, respiratory, metabolic, and endocrine systems respond to the perturbation of exercise and how physical activity and training affect health, disease, and the quality of life. Environmental challenges to human activity caused by heat, cold, altitude, hyperbaric conditions, and microgravity are investigated. Students consider the efficacy and ethics of ergogenic aid use. For all course topics, gender and maturation are discussed in regards to the goal of improving health and the human experience. Lecture and laboratory topics include bioenergetics, exercise metabolism, hormone regulation, Wingate anaerobic testing, body composition, lactate and biochemical markers of fitness and metabolism, growth and maturation, inactivity, immune systems, and exercise prescription. Formal laboratory reports and lab presentations are required. The course may include field trips to visit complex, specialized equipment in a dedicated setting. *Prerequisites:* EXSC 221, 222. *Recommended:* EXSC 201, 270, and 362.

**375 Junior Research Seminar** This class is a writing-intensive experience that includes an in-depth review of literature, a research proposal, an application for approval from the Institutional Review Board, and a grant proposal. The student surveys the literature, gaining critical reading skills, and organizes existing knowledge into a written review. Writing technique is critiqued through both faculty and peer review. The research proposal may be used as a springboard for research conducted in EXSC 490, Senior Thesis. *Prerequisite:* At least one of the following: EXSC 201, 362, 363, 425, or permission of instructor.

**400 Practicum in Fitness Assessment, Prescription, Programming, and Leadership** 0.5 or 1 unit This is a faculty-supervised, on-campus practicum experience with the University of

## Exercise Science

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Puget Sound's adult Fitness Club. Students meet two hours per week in a classroom setting and three hours per week in the practicum setting applying the theoretical knowledge gained in their courses. Students participate in varied activities, to include lecturing in topics promoting health and fitness, conducting health risk appraisals, assessing stages of behavioral change, promoting exercise adherence, conducting fitness testing, creating exercise programming, training clients, programming of club activities, analyzing diets, and counseling on nutritional and weight management. Special attention is given to legal and ethical issues. This course is intended to be a yearlong culminating practical experience for junior or senior non-thesis Exercise Science majors. Thesis majors may elect to enroll. *Prerequisites: Departmental major or minor, junior or senior standing, and approval of the department chair.*

**425 Kinesiology / Biomechanics** A quantitative and qualitative approach to human movement is addressed through static and dynamic analysis. The kinematics and kinetics of activity are studied from an anatomical and biomechanical perspective. The student conducts an in-depth comparison analysis of an activity using the Peak Performance motion analyzer. This capstone experience requires the student to write a thesis project. *Prerequisites: EXSC 221 and 222, PHYS 111.*

**437 Psycho-Social Issues in Exercise and Sport** Participation, performance, and satisfaction in sport and exercise are mediated by social structures, as well as individual psychological traits and states. This seminar examines how psychological and social variables affect learning and performance in all types of physical activity, including leisure recreation, fitness, physical education classes, and competitive sport. Emphasis is placed on integrating sound theory with useful practical applications. Students examine how to implement psychological skills training for peak sport performance, how to create positive social climates, and how emerging sport and exercise trends shape the future.

**480 Senior Seminar: Physical Activity, Health, and the Human Experience** This seminar, the departmental capstone experience, brings closure to the students' education at the University of Puget Sound and formally begins the transition to further educational, professional, and personal pursuits. Major issues related to physical activity and the human condition are identified, studied, discussed, and debated. Students are involved in processes that allow them to evaluate their personal and professional strengths and weaknesses, to consider possible forces that will affect their futures, and plan appropriate courses of action. Course assignments include writing a critical perspective paper, leading journal article discussions, successful completion of the departmental comprehensive exam, and completion of their exercise science baccalaureate portfolios. *Prerequisites: Senior standing and EXSC 201, 362, and 363, or concurrent enrollment.*

**490 Senior Thesis in Exercise Science** Experimental research is performed under the guidance and in the area of expertise of a faculty member that may include specialized topics in kinesiology/biomechanics, exercise physiology, nutrition and physical activity. Students must write a proposal that is approved by the department and the Institutional Review Board, carry out the research, write the thesis, and orally defend it at a research symposium. Application details can be obtained from the Junior Research Seminar instructor, faculty research advisor, or department chair. *Prerequisites: EXSC 375 and permission of the department.*

**495 / 496 Independent Study** 0.5 - 1 unit Research under the close supervision of a faculty member on a topic agreed upon. Application and proposal to be submitted to the department chair and faculty research advisor. Recommended for majors prior to the senior research semester. *Prerequisites: Junior or senior standing, EXSC major and permission of department chair.*

**497 / 498 Internship** Among the requirements in this seminar is the completion of 120 hours of field experience at a site prearranged in consultation with the internship coordinator in Career and Employment Services. The seminar provides students the context to reflect on concrete experiences at the site and link them to study in their disciplines as well as the political, psychological, social, economic and intellectual forces that shape views on work and its meaning. The aim is to integrate the liberal arts with issues and themes surrounding the pursuit of a good and productive life. In certain pre-approved instances, an individualized learning plan with a faculty sponsor may substitute for the seminar. *Prerequisite: Approval of the Internship Coordinator (see description on page 281 of this Bulletin).*

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## FOREIGN LANGUAGES AND LITERATURE

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Professor: Kent Hooper; Michel Rocchi; David Tinsley (on leave Spring 2007); Harry Vélez-Quiñones

Associate Professor: Diane Kelley (on leave Spring 2007); Josefa Lago Graña, *Chair*

Assistant Professor: Oswaldo Estrada; Mark Harpring; Jan Leuchtenberger

Visiting Assistant Professor: Sandra Evans; Dana Flaskerud; Emy Manini

Instructor: Mikiko Ludden; Lo Sun Perry; Steven Rodgers; Judith Tyson

Visiting Instructor: Perla Gamboa; Augustus Machine; Sadie Nickelson-Requejo

### About the Department

The faculty believes that a sympathetic understanding of at least one foreign culture through its language is an essential part of a liberal arts education. In this aim, the university offers a strong program in the Department of Foreign Languages and Literature. Instruction is provided in three main European languages, French, German, and Spanish; and two Asian languages, Chinese and Japanese, with Greek and Latin as well. Faculty members are specialists in the literature and culture of their target language and are either native or have spent considerable time in the foreign countries of their teaching.

The department's curriculum is designed to bring the student into increasing contact with the culture, history, and literature of countries where the target language is spoken. Through the department's curriculum and from the variety of pedagogic approaches, students develop communication skills, cultural awareness, literary analysis, and historic perspective of the target language.

As the curriculum is designed to bring the student into increasing contact with the culture, history, and literature of the target countries, the department is fully committed to the concept of study abroad. Students are strongly encouraged to participate in our sponsored semester programs in Dijon, France; in Tunghai, Taiwan; in Spain; and in Latin America; or the year programs in Tokyo, Japan; and Passau or Munich, Germany. Details of these programs may be obtained from department advisors. Individual inquiries for other study-abroad programs are available at the Office of International Programs.

### Language House Program

The department faculty supports the learning concept of a residential atmosphere and encourages students to participate in the special living-language program. Students have the opportunity

# Foreign Languages and Literature

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to live in university-owned houses on campus and communicate in the target language within a small group environment.

Films, records, opera, plays, multilingual conversations, ethnic cooking, and excursions are inherent parts of the program. For further information and application deadlines contact, Michel Rocchi, Director of the Language House Program.

## Choice of Majors

**Students may select from two major areas of study:**

1. Language and Literature (three different tracks)
2. Foreign Languages and International Affairs (European or Asian languages)

Each of these majors allows depth and breadth in the study of foreign languages, literatures, or international affairs. Please see details below.

## General Requirements for the Major or Minor

General university degree requirements stipulate that 1) at least four units of the major or three units of the minor be taken in residence at Puget Sound; 2) students earn a GPA of 2.0 in courses taken for the major or the minor; and 3) all courses taken for a major or minor must be taken for graded credit. Any exceptions to these stipulations are indicated in the major and minor degree requirements listed below.

## Requirements for the Major

In addition to satisfying the course requirements listed below, all majors are required to compile a portfolio of their work and submit it to the department by April 1 of their senior year. When students declare their major, they should seek a faculty advisor in the department who will advise them on the creation of their portfolio. The portfolio serves to assess the student's progress in the curriculum and to synthesize the student's total experience as a major.

### Requirements for the Major in Language and Literature (BA)

Eleven (11) to thirteen (13) units, depending upon elective area of emphasis below.

#### I. Basis in the Target Language and Literature (8 units in French, German, or Spanish)

1. Eight (8) units on the 200-level or above, with 2 units taken at the 300/400 level. (Two 300/400-level courses must be taken at the Tacoma campus, one during the senior year.)
2. One (1) unit of FL 200

#### II. Elective Area of Emphasis (Choose Option A, B, or C)

##### A. Literary Studies (2 units)

1. One (1) additional unit at the 300/400-level in target language (French, German, or Spanish)
2. One (1) unit of FL in translation course, other than FL 200.

##### B. Cultural and Critical Studies (4 units)

Four (4) units of World literature, culture, or theory in any language at the 300 level or above. The emphasis of these courses must be determined in consultation with the academic advisor, and should ideally provide different perspectives on a significant problem or issue. It is impossible to provide a set menu of elective recommendations; majors should work closely with their department advisors to create the list of elective choices to be approved by the department. These choices should be thoughtful and create a unique background in a particular area of cultural and critical studies.

### *Sample Areas of Emphasis:*

#### **Gender and Literature**

FL 381, Women and Revolution in Latin American Literature

ENGL 485, Literature and Gender

CLSC 303, Women and Gender in Ancient Rome

#### **Latin American Literature**

FL 380, An Archaeology of the Boom

FL 381, Women and Revolution in Latin American

SPAN 381, Latino Literature: Borders, Bridges, and Fences

CSOC 320, Sociology through Literature

#### **Postmodernism and Cinema**

ENGL 388, Narrative in Literature and Film

HUM 315, Drama, Film, and the Musical Stage

### **C. Literature and the Other Arts**

#### *Choose one focus from the following:*

1. **Literature and Art Focus** (4 units)

Four (4) units in Art from the following: One unit of studio art, and any three units from: Art 275, 276, 325, 360, 361, 362, 363, 365, 366, or HON 206.

All majors in this emphasis must have an experiential component in art to be determined in consultation with the department advisor.

2. **Literature and Music Focus** (4 units)

Four (4) units in Music from the following: MUS 220, 221, 222, 230, 231, 274, 275, 276.

All majors in this emphasis must have an experiential component in music to be determined in consultation with the department advisor. This may be demonstrated by any of the following: One unit of Applied Music, two semesters in a performing ensemble, or one unit of Music Theory.

3. **Literature and Theatre Focus** (4 units)

Four (4) units in theatre from the following: CLSC 301, ENGL 255, 306, 341, 351, 353, 451, 476, FL 305, 355, MUS 220, THTR 275, 371, 373. (Only one of the above units may come from ENGL 255, 351, 353, 451, 476).

All majors in this emphasis must have an experiential component in theatre to be determined in consultation with the department advisor. This may be demonstrated by completion of any of THTR 110, 210, 217, or theatre production assignments on campus or at a community theatre.)

4. **Literature and Film Focus** (4 units)

Four (4) units from the following: COMM 200, 220, 222, 232, 244, 322, 344, 358.

All majors in this emphasis must have an experiential component in film or media studies to be determined in consultation with the department advisor.

## **Requirements for the Major in International Affairs / European Languages Focus (14 units)**

1. Eight (8) units in the Target Language (French, German, or Spanish) on the 200-level or above, to include 240, with 3 units taken at the 300/400 level. Two of the 300/400-level courses must be taken at the Tacoma campus, one during the senior year. See section on Transfer of Units for more details.

## Foreign Languages and Literature

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2. Three (3) units in International Politics
  - A. PG 102 or 103
  - B. Two (2) units from one focus area:
    1. European Focus: any two (2) units from: PG 321, 331, 332, 334, 335, 336 or CSOC 340
    2. Latin American Focus: any two (2) units from: PG 322, 325, 331, 332, 334, 335, 336, 370, or CSOC 340
3. Three (3) units in International Business or Economics
  - A. Economics Focus: ECON 170, 242, 314, 371, and 375 or 376
  - B. Business Focus: BUS 270 and 320 or 335, and one of the following: 372, 375, 435, or 470 (see Business and Leadership for prerequisites).

### Requirements for the Major in International Affairs / Asian Languages Focus (14 units)

- I. Basis in the Target Language (8 units)

**Chinese**

  - A. Six (6) units of Chinese 102 or above, one of which must be at the 300 level and taken at the UPS Tacoma campus.
  - B. FL 205
  - C. One (1) unit of humanities courses from the following: ART 367, HIST 245, 247, 346, HUM 208, REL 332. Students who successfully complete more than six units of the required language units may apply any of the additional language courses in lieu of the humanities course.

**Japanese**

  - A. Six (6) units of Japanese 201 or above, one of which must be on the 300/400 level and taken at the Tacoma campus.
  - B. FL 205
  - C. One (1) unit of humanities courses from the following: ART 368, FL 220, 320, HIST 247, 348, REL 233, 330. Students who successfully complete more than six units of the required language units may apply any of the additional language courses in lieu of the humanities course.
- II. International Politics (3 units)
  - A. One (1) unit of PG 102 or 103
  - B. Two (2) units from the following: PG 320, 323, 331, 332, 334, 335, 336, 339, 372, 378, or CSOC 340.
- III. International Business or Economics (3 units)
  - A. Economics focus: ECON 170, 371, and one of the following: 314, 375, or 376.  
Or
  - B. Business focus: BUS 270 and 320 or 335, and one of the following: 371, 435, or 470 (see Business and Leadership for prerequisites).

### Requirements for the Minor (5 units)

#### *French, German, and Spanish*

Completion of a minimum of five (5) units in one language at the 201 level or above. One unit must be at the 300 or 400 level taken at the Tacoma campus.

## *Chinese*

Five (5) units of Chinese 102 or above, one of which must be at the 300 level and taken at the Tacoma campus.

## *Japanese*

Five (5) units of Japanese 201 or above, one of which must be at the 300/400 level and taken at the Tacoma campus.

## **Notes**

1. Students must earn a grade of C (2.00) or above in courses taken for the major or the minor in the Department of Foreign Languages and Literature.
2. The Department of Foreign Languages and Literature does not accept or award credit for distance learning courses. The department reserves the right to exclude a course from a major or minor based on the age of the course.

## **Teaching Certification**

Foreign Language majors electing to teach may do so by satisfying the MAT requirements of the School of Education for the state teaching certificates and endorsement areas. Details and requirements may be obtained from the School of Education.

## **Study Abroad Coursework**

Due to the varying degrees of quality and rigor of Study Abroad programs, only units earned through departmentally-sanctioned Study Abroad programs in Dijon (France), Passau or Munich (FRG), Tunghai (Taiwan), Spain, Latin America, and Waseda University in Tokyo (Japan) are counted automatically towards degrees in our department majors. Work done through other Study Abroad programs are assessed on a case-by-case basis. Limits on upper-division courses taken abroad apply in different languages. Consult the department prior to enrollment.

## **Transfer of Units and Placement**

Students with previous high school language study may move up to higher levels by estimating that three to four years of high school concentration are approximately equivalent to one year of college work in foreign languages. Other factors such as study abroad, living with exchange students or foreign parents, and other intensive studies may warrant special consideration on a case-by-case basis. Consult department advisors in the particular language.

Advanced Placement Examinations (AP) with scores of four or five apply toward majors or minors for a maximum of one unit on the 200 level.

Foreign Language coursework completed at other accredited institutions may be accepted toward major areas of concentration, up to the following maximums and conditions:

Major in French, German, or Spanish - four units maximum. Five units in the target language must be taken in residence, two of which must be on the 300/400 level.

Major in Foreign Language/International Affairs - four units maximum. Two for the language component, only one of which may be on the 300/400 level; two units toward the non-language courses.

Minor in Chinese, French, German, Japanese, or Spanish--two units, only one of which may be on the 300/400 level.

All transfer students, especially those with elapsed periods since their last academic course-

# Foreign Languages and Literature

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work, will be evaluated on an individual basis. Their acceptance as majors or minors will be based on observation in courses in residence.

## Course Offerings

Unless otherwise specified, each course carries 1 unit of credit and is offered at least once each academic year. Please see “Frequency of Course Offerings” on page 16.

The proper course sequence of foreign language instruction is Elementary Level 101, 102, Intermediate Level 201, 202. A student who has received a “C” (2.00) grade or better in any course of this sequence or its equivalent cannot subsequently receive credit for a course which appears before it in the sequence.

**Foreign Language:** (Taught in English)

**First-Year Seminars.** See *First-Year Seminars in the Core Curriculum section of this Bulletin for course descriptions (pages 17 and 29).*

### *Scholarly and Creative Inquiry*

105 Aesthetics and Identity in Japanese Culture

115 The Problem of Theodicy

125 The Quest for King Arthur

## Other courses offered by Foreign Languages and Literature department faculty

CONN 355 Early Modern French Theater and Contemporary American Culture

Counts as an FL course in translation for the major, and satisfies the Connections core requirement.

**200 Introduction to Literary Studies** Application of literary criticism and theory to European genres and movements. Special emphasis on major critical approaches to works of literature. Satisfies the Fine Arts Approaches core requirement. Offered Spring 2007.

**205 Survey of East Asian Literature** This course explores the important literary periods of China and Japan from the classical periods to the present. Interpreting literary works within their historical context, this course introduces students to various genres and themes that are particular to the culture and society of China and Japan. Satisfies the Humanistic Approaches core requirement. Offered Fall 2006.

**305 Modern French Theatre: From Cocteau to Beckett** This course examines the human condition as depicted in twentieth-century French theater. The selected plays, among the most provocative expressions of our day, voice the major questions of what it means to be human in our contemporary society. Satisfies the Humanistic Approaches core requirement. Offered every three years; not offered 2006-2007.

**310 Premodern Japanese Literature** This course is a survey of classical Japanese literature from the mid-eighth to the mid-eighteenth century. The course is organized chronologically and covers major works of poetry, prose, and traditional theatre, including the diaries of court ladies, the classic novel *The Tale of the Genji*, the haiku of Bashō, and the early modern puppet play *Chūshingura* (the story of the 47 ronin). Satisfies the Humanistic Approaches core requirement. Offered Fall 2008.

**320 Modern Japanese Literature** This course is a survey of modern Japanese literature with an emphasis on Japanese writers in the late nineteenth through the twentieth centuries who struggled with questions of identity. The course is organized chronologically and focuses on



some of the major authors of the modern period, including Natsume Sôseki, Tanizaki Jun'ichiro, Kawabata Yasunari, and Mishima Yukio. Satisfies the Humanistic Approaches core requirement. Offered Spring 2007.

**380 An Archeology of the Boom: Modern Latin American Prose Fiction** A survey of contemporary Latin American prose fiction from the short stories of Borges and Cortazar to the novels of Fuentes, García Márquez, Vargas Llosa, and others. Major topics include the relationship between history and literature, “magical realism,” women in fiction, and the question of modernity in the culture of Latin America. Offered every three years; not offered 2006-2007.

**381 Women and Revolution in Latin American Literature** An introduction to several Latin American women writers, their techniques in writing about major political events in their countries of origin, and the historical background from which their works emerge. Students consider the interrelationships between literature and economic, social, political, and cultural factors, as well as the position of the region in the context of world historical developments. This course has a multimedia component. Offered every three years; not offered 2006-2007.

**383 Latino Literature: Borders, Bridges, and Fences** This course focuses on the study of literary representations of borders as portrayed in text written by U.S. Latinos. These borders can be socioeconomic, national, linguistic, sexual, and/or racial. The readings for the course include the prose and poetry of canonical Latino writers. Offered every three years; not offered 2006-2007.

**385 *Don Quijote*: The Quest for Modern Fiction** Often described as the first modern novel, Cervantes's *Don Quijote* (1605/1615) set the standard against which all other “great novels” have been measured. In the course, students carry out a close reading of *Don Quijote* focusing on its reception across times as well as on its consistent appeal. Students also consider a sampling of the literary, critical, and philosophical responses the novel has spawned. Offered every three years; not offered 2006-2007.

**387 Writing the Nation: The Case of Nineteenth-Century Spain** This course provides an introduction to novels (in translation) by Spain's most prolific nineteenth-century writers. Over the course of the semester, students read and analyze six novels that played an integral part in the nineteenth-century nation-building project. The course examines the ways in which these works participated in a national debate on modernization with an emphasis on urbanization, changes in the Spanish political culture, gender roles, and the relationship of capitalism to these developments. In addition to a final research paper, students write short analytical papers on texts discussed in class, give a presentation on a critical study of one of the works, and complete a final exam. Offered every three years; offered Spring 2007.

**393 Individuality and Transcendence in Medieval Literature** This seminar explores how medieval men and women writers depicted individuality and its transcendence in Arthurian romance and mystical writings. The juxtaposition of the knight's quest with the soul's journey leads to reflection upon how medieval culture has helped to shape modern notions of identity and gender. Crosslisted as HUM 302. Offered every three years; not offered 2006-2007.

### Chinese

**101 / 102 Elementary Chinese** Introduction to the fundamentals of Mandarin Chinese in four basic skills: comprehension, speaking, reading, and writing. Emphasis is on the development of communicative skills, in both oral and written language. *Prerequisites: 101 and 102 are sequential courses; 101 or permission of the instructor required for 102.* 101 offered Fall term only; 102 offered Spring term only.

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**201 / 202 Intermediate Chinese** Development of oral and written fluency at the intermediate level. Emphasis is on the acquisition of basic sentence patterns and their application in day-to-day situations. Oral and written assignments on a variety of topics are included to enhance students' control of grammatical forms and communicative skills. *Prerequisites: 201 and 202 are sequential courses: 201 or permission of instructor required for 202.* 201 offered Fall term only; 202 offered Spring term only.

**230 Grammar and Articulation** This course focuses on patterns, translation, and the use of linguistic structures to articulate ideas in public speaking and composition writing. Course material includes a multimedia component and a grammar review. Students who have completed 300-level courses may enroll for credit. *Prerequisite: CHIN 202 or permission of instructor.* Offered every three years; offered Fall 2006.

**250 Culture and Communication** This course aims to develop increased accuracy in communication skills utilizing Mandarin Chinese in a cultural context. Emphasis is on oral fluency, comprehension, and the language used in daily life. Course material includes study of films and songs with class activities and discussions geared toward further understanding of the society in which the language is spoken. *Prerequisite: CHIN 202 or permission of instructor.* Students who have completed 300-level courses may enroll for credit. Offered Fall 2006.

**260 Advanced Oral Expression** This course integrates linguistic functions and structures with culture via listening, speaking, reading, and writing activities. Course materials are derived from contemporary Chinese film, TV plays, and other media sources. The course focuses on oral fluency in Chinese through class discussions utilizing topics presented in the original media materials and their illustration of language in a cultural context. *Prerequisite: CHIN 202 or permission of instructor.* Students who have completed 300-level courses may enroll for credit. Offered every other year; not offered 2006-2007.

**301 Across the Strait: Cultures in China and Taiwan** Chinese language studies with specific concerns on issues related to popular culture as well as contemporary social and political conditions. This course includes a grammar review and a multimedia component, and aims for development of oral and written fluency at the advanced level with emphasis on reading, writing, and group discussion. *Prerequisite: CHIN 202 or permission of instructor.* Offered every three years; not offered 2006-2007.

**303 Greater China: Commerce and the Media** Chinese language studies in the world of business and media. Areas of exploration include China, Hong Kong, Taiwan and their transpacific Chinese-speaking network. This course includes a grammar review and a multimedia component, and aims for development of oral and written fluency at the advanced level with emphasis on reading, writing, and group discussion. *Prerequisite: CHIN 202 or permission of instructor.* Offered every three years; offered Spring 2007.

**305 From Bamboo Grove to Cyberspace: Chinese Literary Texts Now and Then** Chinese language studies focusing on classical and contemporary literary texts that are available in either traditional or electronic format. This course includes a grammar review and a multimedia component, and aims for development of oral and written fluency at the advanced level with emphasis on reading, writing, and group discussion. *Prerequisite: CHIN 202 or permission of instructor.* Offered every three years; not offered 2006-2007.

## French

**101 / 102 Elementary French** Introduction to the fundamentals of French and focus on the development of comprehension, speaking, reading, and writing. Emphasis is placed on active communication. *Prerequisites: 101 and 102 are sequential courses; 101 or permission of the instructor required for 102.* 101 offered Fall term only; 102 offered Spring term only.

**201 / 202 Intermediate French** The course aims to develop oral and written fluency with contextualized, meaningful, and communicative activities, including study of films, multimedia and contemporary texts. Special emphasis is on acquiring the ability to use French in conversational situations, consolidating and expanding familiarity with previously studied grammatical forms, and developing vocabulary. *Prerequisites: 201 and 202 are sequential courses; 201 or permission of instructor required for 202.* 201 offered Fall term only; 202 offered Spring term only.

**230 Advanced French** Integrated approach to the development of greater accuracy in communicative skills. Special emphasis on oral and written expression. The course may include a multimedia component and grammar review. *Prerequisites: FREN 201 and 202 or their equivalents.* Offered Fall 2006.

**240 French Contemporary Issues** Applications of French in non-literary contexts. Expansion and application of French in the areas of economy, politics, media, and international issues. The course may include a multimedia component and a grammar review. *Prerequisites: FREN 201 and 202 or their equivalents.* Offered every other year; next offered Fall 2007.

**250 Culture and Civilization of France** Readings, writing, and discussions based upon civilization and culture of France and the French-speaking world. Special emphasis on political and intellectual thought. This course may include a multimedia component. *Prerequisites: FREN 201 and 202 or their equivalents.* Offered every other year; not offered 2006-2007.

**260 Advanced Oral Expression** This course combines linguistic functions and structures with culture through an integration of listening, speaking, reading, and writing activities. The raw material derives from twentieth-century French film. The course concentrates on improving oral fluency in French by using the topics of the film as starting points, sources of information, and illustrations of language in a cultural context for class discussions. *Prerequisites: FREN 201 and 202 or their equivalents.* Offered every other year; offered Fall 2006.

**270 Advanced French Writing** Exploration and practice of various modes of writing: expository, epistolary, academic, and creative. Emphasis on rhetorical forms specific to French. This course may include a multimedia component and a grammar review. *Prerequisites: FREN 201 and 202 or their equivalents.* Offered Spring 2007.

**301 Introduction to French Literature I** Introduction to analysis and interpretation of French literature through close readings of major literary genres. Examination of works reflecting the literary and social history of France from the Middle Ages to the Revolution of 1789. Offered every other year; not offered 2006-2007.

**311 Introduction to French Literature II** A study of the major genres of French literature from the revolution to the modern days through techniques of close literary analysis. Readings and discussion of French intellectual thought of recent years. Not offered 2006-2007.

**321 Introduction to French Literature III** Close analysis of modern Francophone literature by

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women. Writings from France, Canada, Africa, and the Caribbean that address issues of personal autonomy, female creativity, social constraints, and clichés of sexual identity are examined. Offered every three years; not offered 2006-2007.

**401 Medieval and Renaissance Literature** An intensive study of selected literary works reflecting the intellectual, political, philosophical, and artistic changes from 1200 to 1600 AD. Not offered 2006-2007.

**402 Seventeenth and Eighteenth-Century French Literature** An intensive study of the major literary texts of French Classicism and Enlightenment with emphasis on the philosophical and political transformations of the time period. Offered every three years; not offered 2006-2007.

**403 Nineteenth-Century French Literature** A study of nineteenth-century French literary movements and close readings of selected texts. Examination of the interplay among the world of ideas and the political scene in France. Offered every three years; offered Fall 2006.

**404 Twentieth-Century French Literature** An intensive study of the major themes, forms, and techniques in modern French literature. Offered every three years; not offered 2006-2007.

**480 Seminar in French Literature** Synthesis of various aspects of literary studies. Topics to meet special needs. Since content changes, this course may be repeated for credit. Offered Spring 2007.

### German

**101 / 102 Elementary German** Classroom and laboratory practice to develop basic listening, speaking, reading, and writing skills. *Prerequisites: 101 and 102 are sequential courses; 101 or permission of the instructor required for 102.* 101 offered Fall term only; 102 offered Spring term only.

**201 / 202 Intermediate German** Review of grammar, oral and written composition, readings of contemporary authors. *Prerequisites: 201 and 202 are sequential courses: 201 or permission of instructor required for 202.* 201 offered Fall term only; 202 offered Spring term only.

**230 Advanced German** Emphasis on syntax and conversations. Deals with fundamentals of composition, problems in language, translation, and advanced grammar. *Prerequisites: GERM 201 and 202 or their equivalents.* Offered every other year; not offered 2006-2007.

**240 German Contemporary Issues** Application of German in the areas of business, banking, foreign trade, and introduction to news media. *Prerequisites: GERM 201 and 202 or their equivalents.* Next offered Fall 2007.

**250 Culture and History of Germany** Readings, writing, and discussions based upon civilization and culture of the German-speaking countries. *Prerequisites: GERM 201 and 202 or their equivalents.* Offered Spring 2007.

**260 Survey of Twentieth-Century German Film** Introductory survey of German cinema from German Expressionism, through the 1930s, into the early years of the DDR, up to the 1970s and 1980s in the BRD, and ending with German films that achieved some measure of popularity in America. *Prerequisites: GERM 201 and 202 or their equivalents.* Offered every other year; not offered 2006-2007.

**270 Writing about Literature and the Visual Arts** Students are asked to develop the ability to write about and discuss in German four artistic media: literature, music, film, and the visual arts. *Prerequisites: GERM 201 and 202 or their equivalents.* Offered Fall 2006.

**301 Introduction to German Literature I** Introduction to methods of close reading, focusing upon great works of German literature from its beginnings through Classicism, with emphasis on literary and social history. Offered Fall 2006.

**311 Introduction to German Literature II** A study of the major genres of German literature from the 1790s to the present through techniques of close literary analysis. Not offered 2006-2007.

**401 Medieval Literature** Study of selected works reflecting the intellectual, political, philosophical, and artistic changes from the early Middle Ages to Baroque. Not offered 2006-2007.

**402 Romanticism** Emphasis on short prose fiction, theoretical essays, and lyric poetry and on the social, political, and philosophical history of the early- to mid-nineteenth century. Not offered 2006-2007.

**403 Novelle** The history, theory, and development of the literary genre Novelle, featuring some of the more bizarre and fascinating works of the greatest German authors. Emphasis upon the function and limits of genre in literary analysis. Not offered 2006-2007.

**404 Modern Literature** Examinations of individual visions and reactions to the general context of cultural crises in early- to mid-twentieth century Germany. Offered Spring 2007.

**480 Seminar in German Literature** Synthesis of various aspects of literary studies. Since content changes, this course may be repeated for credit. Not offered 2006-2007.

### Japanese

**101 / 102 Elementary Japanese** Introduction and development of the four basic language skills: comprehension, speaking, reading, and writing. Acquisition of two native scripts, Hiragana and Katakana, is emphasized in 101. Emphasis is on basic sentence patterns with basic vocabulary and development of communicative skills in everyday situations. *Prerequisites: 101 and 102 are sequential courses; 101 or permission of the instructor required for 102.* 101 offered Fall term only; 102 offered Spring term only.

**201 / 202 Intermediate Japanese** Development and practical communication skills by enhancement of oral and written skills at the intermediate level. Previously studied grammatical patterns are consolidated and expanded upon, while new ones are introduced. *Prerequisites: 201 and 202 are sequential courses; 201 or permission of the instructor required for 202.* 201 offered Fall term only; 202 offered Spring term only.

**230 Kanji in Context** In this course, students develop an understanding of Kanji and Kanji-based vocabulary and its role in Japanese daily life. Special emphasis is on accuracy in Kanji usage in writing and reading. Calligraphy is used to improve Kanji stroke orders and formation. The course may include some grammar review. Not offered 2006-2007.

**250 Popular Culture and Society** This course examines popular culture and society through sources such as manga, animated films, and feature films. These form the basis for reading, writing, and discussion. Special emphasis is placed on speech levels, male/female speech, formal/informal speech levels, informal speech, slang, and regional dialects. Not offered 2006-2007.

**260 Advanced Oral Expression** This course serves those students who have completed JAPN 202 and wish to improve their skills in all areas: oral, aural, reading, and writing. Special emphasis is placed on listening and speaking skills. Class discussion, conversational exercises, reading

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materials, and writing assignments center on newspaper articles and essays, which comment on recent social or cultural phenomena. Films and TV program materials present portrayals of daily life and culture. Offered every other year; not offered 2006-2007.

**301 / 302 Third Year Japanese** Previously studied grammatical patterns are consolidated and expanded upon, while new ones are introduced. Development of oral and written fluency and reading at the third-year level. Lesson topics focus on current as well as traditional uses. *Prerequisites: 301 and 302 are sequential courses; 301 or permission of the instructor required for 302.* 301 offered Fall term only; 302 offered Spring term only.

**401 / 402 Fourth Year Japanese** Previously studied grammatical patterns form the basis for doing close readings of essays and various genres of mostly contemporary Japanese literature. Development of oral and written fluency appropriate to the fourth-year level. *Prerequisite: Japanese 302 or permission of the instructor.* 401 offered Fall term only; 402 offered Spring term only.

### Spanish

**101 / 102 Elementary Spanish** These courses are an introduction to the fundamentals of Spanish and focus on the development of four skills: comprehension, speaking, reading, and writing. Emphasis is placed on active communication and the development of oral and comprehension skills. *Prerequisites: 101 and 102 are sequential courses: 101 or permission of the instructor required for 102.* 101 offered Fall term only; 102 offered Spring term only.

**201 / 202 Intermediate Spanish** These are mid-level courses for students seeking to perfect their command of Spanish. The courses consist of oral and written assignments on a variety of topics chosen to increase the student's control of the structures and vocabulary of the language. The courses also include a thorough review of grammar at a fairly advanced level. Usage of interactive Web-based resources is an integral part of these courses. *Prerequisites: Four years of high school Spanish, SPAN 102, or permission of instructor required for 201; 201 or permission of instructor required for 202.* 201 offered Fall term only; 202 offered Spring term only.

**230 Advanced Spanish** Emphasis on mechanics of spoken and written Spanish. This course deals with the fundamentals of composition, problems in language, translation, and advanced grammar. This course has a multimedia component. *Prerequisites: SPAN 201 and 202 or their equivalents.* Offered Fall 2006.

**240 Spanish Contemporary Issues** Applications of Spanish in non-literary contexts. This class emphasizes the perfection of practical oral and written skills. It focuses on issues related to popular culture, technology, foreign trade, news media, cinema and/or some professional uses of Spanish. A grammar review is included. This course has a multimedia component. *Prerequisites: SPAN 201 and 202 or their equivalents.* Offered Fall 2006.

**250 Hispanic Cultural Studies** This course introduces the student to cultural studies. This course considers the history, visual art, music, and prevalent cultural myths integral to the civilizations and cultures of Spain and Latin America. The course considers the relevance of these cultural elements within a Hispanic context and a larger world perspective. This course has a multimedia component. *Prerequisites: SPAN 201 and 202 or their equivalents.* Offered Spring 2007.

**255 Spanish Culture and Civilization** This course introduces students to the culture and civilization of Spain with emphasis on the history, art, and prevalent cultural myths and practices

integral to the development of the Spanish nation. This course considers the relevance of these cultural elements within an Hispanic context and a global perspective. *Prerequisites: SPAN 201 and 202 or their equivalents.* Offered Fall 2006.

**260 Advanced Oral Expression** This course combines linguistic functions and structures with culture through an integration of listening, speaking, reading, and writing activities. The course concentrates on improving oral fluency in Spanish by using the topics of Spanish and Latin American films, and their illustration of language in its cultural context for class discussion. *Prerequisites: SPAN 201 and 202 or their equivalents.* Offered Fall 2006 and Spring 2007.

**270 Writing Seminar** Exploration and practice of all the modes of writing: epistolary, expository, academic, and creative. This course has a multimedia component. *Prerequisites: SPAN 201 and 202 or their equivalents.* Offered Spring 2007.

**301 Hispanic Literary Studies** A study of the major genres of Hispanic literature through close analyses of selected masterpieces. This class prepares the student for more advanced studies in literary and cultural studies. This course has a multimedia component. *Prerequisite: Any one of SPAN 230, 240, 250, 270 or equivalent.* Offered Fall 2006.

**311 Literature of the Americas** A panoramic survey of the literature of the Americas. The texts studied in the course reflect literary developments up to the present. Works to be discussed illustrate cultural elements that are evidenced in today's society. Latino Literature written in the United States may also be included. This course has a multimedia component. *Prerequisite: Any one of SPAN 230, 240, 250, 270 or equivalent.* Not offered 2006-2007.

**312 Spanish Literature: An Overview** A panoramic survey of Spanish literature from the early modern period to the present. Works to be discussed illustrate cultural, political, and social issues critical in the development of Spanish literature. This course has a multimedia component. *Prerequisites: SPAN 230, 240, 250, 255, 260, 270, or permission of the instructor.* Offered every other year; offered Fall 2006.

**321 Hispanic Short Story** This course considers the main cultural and literary issues of the Hispanic world as represented in the short story. Writers from both sides of the Atlantic are studied with emphasis on the close reading and analysis of the texts. This course has a multimedia component. *Prerequisite: Any one of SPAN 230, 240, 250, 270 or equivalent.* Offered Spring 2007.

**350 Spanish Cinema: A Historical Reading** An overview of Spanish cinema since the Civil War to the present. All films are studied in reference to the historical developments in Spain from 1939 to the present. Works by Berlanga, Buñuel, Saura, and Almodóvar is screened. Course includes required screening lab. This course has a multimedia component. *Prerequisite: Any one of SPAN 230, 240, 250, 270 or equivalent.* Offered Spring 2007.

**360 Spanish Theater of the Nineteenth and Twentieth Centuries** This course covers approximately 200 years of Spanish drama. Students read complete dramas from several of Spain's most prolific playwrights while covering the major literary movements and tendencies of the nineteenth and twentieth centuries. *Prerequisite: One of the following or equivalent: SPAN 230, 240, 250, 255, 260, 270.* Not offered 2006-2007.

**370 Survey of Twentieth-Century Latin American / Latino Theatre** This course explores major theatre pieces of the twentieth century and is organized around important theatrical centers in

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Latin America and the study of terminology related to the theatre. The two largest units focus on Argentina and Mexico, but the course also covers plays from Chile, Puerto Rico, Cuba, and some Chicano works. The growing importance of performance theory and art is included in the coursework. *Prerequisites: Any one of SPAN 320, 240, 250, 270, or equivalent.* Not offered 2006-2007.

**401 Medieval Spanish Literature** An intensive study of selected works reflecting the intellectual, political, and aesthetic changes in Spain from 1140 to 1499 AD. This course has a multimedia component. Not offered 2006-2007.

**402 Spanish Literature of the Golden Age** An intensive study of selected works reflecting the intellectual, political, and aesthetic changes in Spain from 1492 to 1681 AD. This course has a multimedia component. Not offered 2006-2007.

**403 Eighteenth and Nineteenth-Century Spanish Literature** A survey of Spanish literature between its two golden ages; close reading of selected texts; consideration of the Enlightenment, Romanticism, and Realism in a Spanish context; and examination of interplay among society, politics, art, and literature. This course has a multimedia component. Not offered 2006-2007.

**404 Twentieth-Century Spanish Literature** A study of Spanish literature from the generation of 1898 to the present. Close readings of selected texts from all literary genres. This course has a multimedia component. Not offered 2006-2007.

**410 Spanish-American Literature of the Colony and Independence** This course is a comprehensive study of the literature of Latin America from the European exploration, conquest, and colonization, to the independence of the colonies in the nineteenth century, when the nations of the region were established. It includes the late nineteenth century and the emergence of Modernism, the first literary movement to originate in Latin America. This course has a multimedia component. Not offered 2006-2007.

**411 Twentieth-Century Spanish-American Literature Masterpieces** The course introduces students to the principle tendencies, texts, and writers of twentieth-century Spanish-American narrative. The class considers why these works have achieved the recognition that they have and the significance that they have in Latin America and the world. The class consists of close readings of contemporary literary works reflecting the social, historical, political, and aesthetic changes in Spanish America over the span of the twentieth century. The course focuses on novels and short stories as different as the Fantastic literature of Jorge Luis Borges, the nativism or “indigenismo” of Miguel Angel Asturias, the literary chronicling literature of the Mexican Revolution of Juan Rulfo, the Magical Realism of Garcia Marquez, and the “boom” and “post-boom” works of South America’s finest writers. The organizing principle that ties the course together is a socio-historic framework, which also takes into account the relevant artistic and literary currents of the day. Not offered 2006-2007.

**480 Seminar in Hispanic Literature** Synthesis of various aspects of literary studies. Topics to meet special needs. Since content changes, this course may be repeated for credit. This course has a multimedia component. Offered Fall 2006 and Spring 2007.



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## GENDER STUDIES PROGRAM

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Coordinator: Nancy Bristow, *History*

Advisory Committee: Derek Buescher, *Communication Studies*; Julian Edgoose, *Education*; Suzanne Holland, *Religion*; Priti Joshi, *English*; Christine Kline, *Education*; Jacalyn Royce, *Theatre Arts*; Amy Ryken, *Education*; Linda Williams, *Art*

### About the Program

The Gender Studies Program approaches liberal arts learning from an interdisciplinary perspective and addresses gender, sexuality, and culture as inseparable from variables such as race, ethnicity, class, regional identity, age, and religion.

Students who earn a minor in Gender Studies 1) develop critical understandings of gender, sexuality, and culture using interdisciplinary and cross-disciplinary lenses; 2) develop critical understandings about the interrelatedness of gender, sexuality, race, class, ethnicity, and religion; 3) apply understandings to scholarly work and to life decisions; and 4) articulate understandings about issues of gender to peers and to a public.

The five-course sequence for minors begins with an introductory course in which students explore the importance of gender in the organization of social life and in the construction of personal identity. Three elective courses follow, which expand students' knowledge of gender in specialized courses. Students integrate their studies in the capstone course, the Gender Research Seminar, through the definition and implementation of their individual research projects and through discussion of interdisciplinary issues, ideas, and theories in the history and cultures of gender.

### General Requirements for the Minor

General university degree requirements stipulate that 1) three units of the minor be taken in residence at Puget Sound; 2) students earn a GPA of 2.0 in courses taken for the minor; and 3) all courses taken for a minor must be taken for graded credit. Any exceptions to these stipulations are indicated in the minor degree requirements listed below.

### Requirements for the Minor

Completion of a minimum of five units to include GNDR 201, GNDR 494, and three other courses in the program, no more than two of which may be taken in one department. Only one course taken for the major may be used to satisfy the requirements for the Gender Studies minor.

### Course Offerings with credit for Gender Studies

- CLSC 225, Gender and Identity in Greece and Rome (Not offered 2006-2007)
- COMM 340, Gender and Communication (Not offered 2006-2007)
- COMM 422, Advanced Media Studies (Offered Spring 2007)
- CONN 369 Goddesses and Power (Offered Fall 2006)
- CSOC 212, Gender in the U.S.A. (Offered Fall 2006)
- CSOC 318, Women and Global Inequality (Not offered 2006-2007)
- ECON 252, Gender and the Economy (Offered Spring 2007)
- ENGL 226, Survey of Literature by Women (Offered Fall 2006 and Spring 2007)
- ENGL 360, Major Authors: The Brontes (Not offered 2006-2007)
- ENGL 360, Major Authors: Jane Austen (Not offered 2006-2007)
- ENGL 391, Studies in Lesbian and Gay Literature (Not offered 2006-2007)
- ENGL 405, Writing and Gender (Offered Fall 2006)

## Gender Studies Program

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ENGL 478, *Jane Eyre* and Revision (Offered Spring 2007)  
ENGL 485, Literature and Gender (Not offered 2006-2007)  
FL 381, Women and Revolution in Latin American Literature (Not offered 2006-2007)  
FREN 321, Introduction to French Literature III (Not offered 2006-2007)  
HIST 355, African American Women in American History (Not offered 2006-2007)  
HIST 375, Women and Social Change in the U.S. Since 1880 (Offered Fall 2006)  
PHIL 390, Feminism and Philosophy (Not offered 2006-2007)  
PG 319, Women in American Politics (Offered Spring 2007)  
REL 333, Asian Women and Religion (Not offered 2006-2007)  
REL 368, Gender Matters (Not offered 2006-2007)  
STS 318, Science and Gender (Offered Fall 2006)  
THTR 471, Staging Gender (Not offered 2006-2007)

Other courses may be added to this list on a semester-by-semester basis.

### Program Course Offerings

Unless otherwise specified, each course carries 1 unit of credit and is offered at least once each academic year.

**201 Introduction to Gender and Feminist Studies** This course serves as an introduction to Gender and Feminist Studies. It deals with definitions of gender and its relation -- historical, present and intellectual — to feminism. Its particular focus is on recovery (documenting and illuminating the lives and struggles of those who have been underrepresented because they did not fit the gender norm) and analysis of gender on the individual and global levels. The course examines a series of issues from a variety of gendered perspectives. The plural in the last word is crucial: Gender Studies is a rich and invigorating field, but there is no *one* gendered perspective. In this class students listen and participate in the continuing debates amongst scholars and practitioners, activists and individuals about the shifting meanings of terms, identities, ideas. Satisfies the Humanistic Approaches core requirement. Offered Spring 2007.

**494 Gender Research Seminar** In this course students examine the differences between traditional scholarship and a feminist approach to knowing. Participants engage in an independent research project of their choosing, sharing process and findings with other members throughout the semester. *Prerequisites: GNDR 201, and at least one other course in the program.* Offered Spring 2007.

### 495 / 496 Independent Study

**497 Internship** Placement in a community or government agency dealing with social problems of particular relevance to women, such as the Sexual Assault Crisis Center, the YWCA Women's Support Shelter, and the Office of Women's Rights. Students develop an analysis of the agency's work and make a public presentation at the end of the semester. Taken during the senior year.

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## GEOLOGY

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Professor: Barry Goldstein; Michael Valentine, *Chair*

Associate Professor: Jeffrey Tepper

Assistant Professor: Travis Horton

Instructor: Kenneth Clark

Research Professor: Albert A. Eggers

### About the Department

The Geology Department has modern, well-equipped facilities designed to support a program that integrates classroom, laboratory, and field studies and also takes advantage of the local and regional geologic setting.

Among research interests of the geology faculty are volcanic rocks and tectonics of the Northwest (Cascades, Columbia River Plateau, Puget Lowlands, and Olympic Peninsula), environmental geochemistry, computer applications in geology, sedimentary processes (Puget Sound), glacial and Pleistocene geology (Puget Lowland, Colorado Rockies, and the upper Midwest), behavior of the Earth's magnetic field in the past, links and feedback between tectonics, topography, and climate on a geologic time scale, and geology of the Colorado Plateau. Additional interests related to environmental concerns include the use of stable isotopes as tracers of food-web architecture in historically contaminated systems (Commencement Bay) and Arctic ecosystems.

Other areas of faculty interest are paleobotany, regional geology of North America, environmental geology, and the application of the scanning electron microscope to geology. Geology majors and faculty have ongoing research projects in the Northwest, western North America, and Central America.

The Geology Department is continually expanding its fossil, mineral, rock, and map collections. In addition, the Collins Memorial Library has extensive holdings both of modern and classical geologic literature that have been selected to support and sustain the undergraduate geology program.

Equipment available for instruction and research includes an X-ray diffractometer and spectrometer, a scanning electron microscope equipped with microanalyzer, an inductively coupled plasma emission spectrometer, a fully-equipped environmental geochemistry laboratory, paleomagnetism laboratory, two boats for sampling lake sediments, petrographic and binocular microscopes, hammer seismograph, microcomputers, sedimentology laboratory, global positioning system, survey instruments, spectrometer, gravity meter, magnetic susceptibility meter, magnetic separator, and thin section machinery.

Students who major in Geology or in Natural Science - Geology acquire the ability to examine the natural world in an analytical fashion, using skills developed in major courses and drawing both qualitative and quantitative conclusions from their own observations. In the latter part of students' time at Puget Sound, the more project-oriented courses provide students with the opportunity to integrate knowledge gained at all levels of their educational experience.

Specifically, the department produces Geology graduates who are

1. Able to observe and interpret the natural world around them;
2. Able to acquire and use scientific knowledge to make informed decisions regarding important issues such as resource use, natural disaster policy, and hazardous waste disposal;
3. Prepared for the required field camp experience;

## Geology

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4. Well prepared for graduate school or typical entry-level positions in the current job market.

Students graduating in geology enter directly into professional positions or continue their studies at the graduate level. Puget Sound geology graduates are currently employed in industry, governmental agencies, and educational institutions, both in the United States and abroad.

### General Requirements for the Major or Minor

General university degree requirements stipulate that 1) at least four units of the major or three units of the minor be taken in residence at Puget Sound; 2) students earn a GPA of 2.0 in courses taken for the major or the minor; and 3) all courses taken for a major or minor must be taken for graded credit. Any exceptions to these stipulations are indicated in the major and minor degree requirements listed below.

### Requirements for the Major

Geology is the application of biology, chemistry, mathematics, and physics to the study of the earth. Students majoring in Geology must understand the principles and techniques of these disciplines as well as the basic skills and concepts of geology. A Geology major consists of the following sequence of related courses:

1. Ten Geology units to include:
  - a. One unit from GEOL 101, 102, 104, or 110;
  - b. GEOL 200, 206, 302, 492, and a departmentally-approved summer Geology field camp, normally taken between the junior and senior years;
  - c. Four units from the following: ENVR 301; GEOL 301, 303, 304, 305, 310, 320, 321, 330;
2. CHEM 110 and 111 or 230, MATH 180 and 181 (or 150 or 160), PHYS 111/112 or 121/122
3. A grade of C or better must be received in all Geology Department courses.

The Geology Department does not accept courses more than 10 years old towards the major.

### Requirements for the Minor

The minor consists of at least 6 required courses and must include one unit from GEOL 101, 102, 104, or 110 (only one unit counts toward the minor) and GEOL 200 and any four additional Geology courses.

The Geology Department does not accept courses more than 10 years old towards the minor.

### Course Offerings

Unless otherwise specified, each course carries 1 unit of credit and is offered at least once each academic year. Please see "Frequency of Course Offerings" on page 16.

**First-Year Seminars.** See *First-Year Seminars in the Core Curriculum* section of this Bulletin for course descriptions (pages 17 and 29).

#### *Scholarly and Creative Inquiry*

##### **111 Dinosaurs and the Worlds They Lived In**

#### **Other courses offered by Geology Department faculty**

##### **ENVR 105, Environmental Science**

Satisfies the Natural Scientific Approaches core requirement.

##### **ENVR 301, Global Environmental Change**

**ENVR 322, Water Policy**

Satisfies the Connections core requirement.

**ENVR 325, Geological and Environmental Catastrophes**

Satisfies the Connections core requirement.

**101 Physical Geology** Physical geology is a survey of the physical processes operating on and in the earth and the results of these processes through time. Topics covered range in scale from the atomic to the galactic. The formation of the minerals and lavas, types of volcanoes, and the creation of sedimentary and metamorphic rocks make up the first third of the course; this introduces the materials of the earth. The course next covers large-scale topics such as the age of the earth, earthquakes and their resultant damage, how continents and seafloors are created, a brief history of the world, and an outline of the great unifying theory of geology, plate tectonics. The last third of the course discusses how surface processes such as streams, wind, waves, and changes in the environment affect the deserts, glaciers, shorelines, and groundwater, and how these changes affect our way of life. Includes a laboratory. Credit will not be given for both GEOL 101 and 104. Satisfies the Natural Scientific Approaches core requirement.

**102 Time, Life, and Rocks** An introduction to the geological sciences with emphasis on the great spans of time involved in the history of Planet Earth, and how we learn about the events of the past by reading the record preserved in the rocks. The course also deals with some of the life forms which inhabited the Earth during its long history, especially dinosaurs, trilobites, corals, and ammonites. Includes laboratory. Satisfies the Natural Scientific Approaches core requirement. Not offered 2006-2007.

**104 Physical Geology of North America** This course examines the range of natural environments of North America and the geologic, climatic, and biogeographic basis for this diversity. Focusing on the major physiographic divisions of the United States and Canada, the course looks at the relationship between these fundamental factors, the unequal distribution of natural resources, and the geography and history of human response to them. Includes laboratory. Credit will not be given for both GEOL 101 and 104. Satisfies the Natural Scientific Approaches core requirement. Not offered 2006-2007.

**105 Oceanography** Earth is largely a “water planet” – the only planet we know of that has liquid water on its surface. Oceanography has developed from early mythological explanations of the seas to the present use of high technology to study their features and workings. The oceans played an integral role in the exploration of Earth and the spread of humankind across the planet, as well as being a continuing source of food and other resources. In the Puget Sound region, we feel the effects of the nearby ocean daily, from the weather we have to the food we eat. This course investigates the origins and nature of Earth’s oceans. It looks at processes acting within the oceans (tides, currents, waves), interaction of the oceans, atmosphere, and continents, and the effects of these processes on life on Earth, including humans in the northwestern U.S. These facets are studied in the “big picture” context of the Earth as an integrated system in which each process affects the others. A portion of the lab time is devoted to measurement of the properties of oceanic and crustal material, some of which are collected locally from Puget Sound. Other labs are used to familiarize students with maps, charts, and other information sources. Emphasis is placed on making inferences about Earth systems from data gleaned from students’ own measurements and other sources. One week-end field trip is required. Satisfies the Natural Scientific Approaches core requirement.

**110 Regional Field Geology** This course focuses on one of several geologic provinces in North America in the most direct manner possible - in the field. After an initial lecture orientation, the class explores the rocks, land forms, structures, and fossils firsthand. Students learn to make their own observations and interpretations along the way. Each student becomes an expert in the geology of a selected area and makes in-field presentations to the rest of the class, as well as compiling a field notebook of the features that the class examines. Trips include the Colorado Plateau, the Death Valley region, and the Pacific Northwest. *Prerequisite: Permission of instructor.* Satisfies the Natural Scientific Approaches core requirement. Not offered 2006-2007.

**200 Introduction to Mineralogy and Petrology** This course introduces the methods used to identify minerals and rocks and provides an overview of the processes by which they form. Topics covered include chemical and physical properties of minerals, mineral associations, and the classification, genesis, and interpretation of igneous, sedimentary, and metamorphic rocks. Labs emphasize the identification of samples in hand specimen and by X-ray diffraction. *Prerequisite or co-requisite: GEOL 101, 102, 104, or 110.* Offered every Spring.

**206 Introduction to Geophysics** This course investigates the shape, composition, and formation of the major internal and external features of the Earth: ocean basins, continents, mountain ranges, the core, the mantle, and the lithosphere. A large portion of time is spent obtaining and interpreting quantitative geophysical measurements of Earth properties. This includes collecting and analyzing seismic, gravity, and magnetic and paleomagnetic data, measuring the gravitational constant, and determining Earth's size and mass, the thickness of the crust, and the distance to earthquake epicenters. Emphasis is placed on geophysical methods used by scientists in the measurement of basic Earth properties. *Prerequisite: GEOL 101, 102, 104, or 110. or permission of instructor.* Offered every other year; not offered 2006-2007.

**301 Sedimentary Geology** The origin, texture, composition, classification, and interpretation of sediments and sedimentary rocks. The various methods for studying these materials in the field and laboratory are emphasized. A portion of the course is devoted to the main groups of microscopic fossils that occur as components of many sedimentary rocks. *Prerequisite: GEOL 200.* Offered every other year; offered Spring 2007.

**302 Structural Geology and Tectonics** Study of earth's architecture, major tectonic features and processes, and folding and fracturing in rocks; lab and field projects included. One weekend field trip is required. *Prerequisite: GEOL 200.* Offered alternate years; offered Spring 2007.

**303 Geomorphology** Detailed study of agents, processes, and products involved in landscape development and water movement at the Earth's surface. Special emphasis is on the effect of the Pleistocene (Ice Age) climate on landforms. *Prerequisite: GEOL 200.* Offered alternate years; not offered 2006-2007.

**304 Igneous Petrology & Volcanology** This course covers igneous rocks and the processes by which they form. Specific topics include magma formation and evolution, characteristics of igneous rocks in different tectonic settings, and the causes, styles and impacts of volcanic eruptions. Students learn and utilize a variety of field and lab techniques including XRF and thin section microscopy. *Prerequisites: GEOL 101, 200.* Offered alternate years; not offered 2006-2007.

**305 Earth History** The principles, methods, and materials of stratigraphy and paleontology used to interpret the physical and biological history of the Earth. Emphasizes the classification, correlation, interrelationships, and interpretation of rock strata and of the various types of fossils that occur in

these rocks. *Prerequisite: GEOL 101, 102, 104, or 110.* Offered every other year; offered Fall 2006.

**310 Water Resources** This course examines the physical, chemical, and geologic processes that determine the distribution, movement, and nature of freshwater resources (rivers, lakes, wetlands, and groundwater). The course pays particular attention to issues of water supply and quality in North America. Lab and field exercises introduce the fundamentals of measuring and modeling river and groundwater flow; field trips to several dams and reservoirs in Washington illustrate some of the ways that surface water resources are utilized. This course may also count towards the Environmental Studies Minor (Science Perspective), but may not be counted towards both the Geology major and the Environmental Studies minor. *Prerequisite: GEOL 101, 102, 104, or 110, or permission of instructor.* Lab required. Offered every other year; not offered 2006-2007.

**320 Environmental Geochemistry** This course provides an introduction to the ways in which chemical principles are used to study geological and environmental processes. The emphasis is on low-temperature processes that influence the chemistry of water, sediment, and soil. Specific topics include aqueous solutions, thermodynamics, mineral-water equilibria, oxidation-reduction reactions, adsorption-desorption processes, and applications of radiogenic and stable isotopes. The laboratory component of the course is field-based and involves sampling and analysis of water and sediment from around Tacoma. *Prerequisites: GEOL 101, 102, 104, or 110, and CHEM 110, or permission of the instructor.* Offered every other year; offered Fall 2006.

**321 Regional Environmental Geology** This course investigates the role of fundamental geological processes in determining regional environmental conditions. The course is divided into two topical sections: 1) the effects of landscape evolution on Pacific salmon ecology; 2) the links and feedbacks between the uplift of the Cascade Range and the long-term climate evolution of the Pacific Northwest. Students actively investigate these two topics by performing hydrologic, geomorphologic, stratigraphic, and geochemical analyses both in the field and laboratory. The course includes lectures, student-led seminars, a laboratory component, and two required weekend field trips. Each student is responsible for writing, and presenting orally, a research proposal for each of the two topical units in the course. *Prerequisite: GEOL 101, ENVR 105, BIOL 101, or permission of instructor.* Offered every other year; offered Fall 2006.

**330 Regional Field Geology** See description for GEOL 110. *Prerequisites: Permission of instructor and GEOL 101, 102, 104, and 200.* Not offered 2006-2007.

**492 Senior Thesis** Research and preparation of a senior thesis under the supervision of a faculty member. Public presentation of research results is required.

**495 / 496 Independent Study Project** Credit variable up to one unit.

## HISTORY

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Professor: Suzanne W. Barnett; William Barry; William Breitenbach; Nancy Bristow; John Lear (on leave 2006-2007); David F. Smith, *Chair*; Theodore Taranovski

Associate Professor: Douglas Sackman (on leave Fall 2006)

Assistant Professor: Katherine Smith

Visiting Assistant Professor: Ian Read

### About the Department

Convinced that the study of history is an essential component of a superior education in the liberal arts and sciences, the Department of History offers a strong academic program in a number of areas within the discipline of history. Students who study history develop and sharpen their minds as they learn to think, to evaluate, to communicate, and ultimately to judge. They gain a fundamental understanding of the world in which they live and of the diverse forces that have shaped both past and present. Their work in history helps them to know themselves and to appreciate societies that are different from their own, and they discover how to place contemporary issues and problems within a broad historical perspective.

All students, no matter what their major, benefit from the study of history. Students of the humanities learn to appreciate the development of literature, art, music, and philosophy. Social science majors better understand social change by examining the history of past societies. Students who major in the sciences gain insight into the complex interaction between the social and cultural environment and the evolution of scientific thought. All students acquire perspective on the social, political, and economic relationships that shape the world in which they live and work.

History majors who fulfill the department's academic requirements and experience the variety of departmental instructional methods acquire 1) substantial and substantive knowledge of the past, 2) conceptual understanding of history as a scholarly discipline, 3) professional skills necessary for independent historical research, and 4) a sense of historical perspective. They have an opportunity to study with excellent faculty, who provide them with rigorous instruction in both broad subject areas and specialized fields. The sound training that students receive as undergraduate history majors prepares them well for graduate study in history and other professional programs, or for rewarding careers in business, education, socially oriented vocations, and government service. Indeed, the methods of learning and the ways of thinking that they develop as history students will prove applicable to the demands of any career that they pursue in later life.

While courses in the Department of History, as a rule, have no prerequisites, they are numbered at three levels that indicate increasing degrees of sophistication, difficulty of material, and workload. Most students with no college work in history first take a 100 or a 200 level course; students with particular interests, however, including juniors and seniors from other departments, are encouraged to take courses at the 300 level at any time, after consulting with members of the Department of History or the instructor. Students considering graduate study in history should seek guidance from a member of the department with expertise in their area of interest; such consultation could occur as early as the freshman or sophomore year.

### General Requirements for the Major or Minor

General university degree requirements stipulate that 1) at least four units of the major or three units of the minor be taken in residence at Puget Sound; 2) students earn a GPA of 2.0 in courses



taken for the major or the minor; and 3) all courses taken for a major or minor must be taken for graded credit. Any exceptions to these stipulations are indicated in the major and minor degree requirements listed below.

## Requirements for the Major

A major in History consists of 10 units:

1. Completion of a minimum of 10 units in the Department of History to include
  - a. two-unit survey sequence: *either* HIST 101 and 102 *or* HIST 152 and 153;
  - b. one unit from the following: HIST 245, 247, 280, 281;
  - c. HIST 200;
  - d. five additional units, at least four of the five at the 300 and 400 levels;
  - e. HIST 400.
2. First-year seminars offered by the History Department do not count toward either the History major or minor. The following courses from Classics, up to a limit of two units, can count toward the major in History: CLSC 211, 212, 305, 306, 308, 390.
3. The eight departmental units excluding HIST 200 and HIST 400 must include at least one unit each in three of the following four areas: Asian history, European history, Latin American history, and United States history.
4. At least five units of the ten required for the major must be completed in residence at the Tacoma campus.
5. Only courses in which a student has received a grade of C- or better may count toward the major.
6. Any deviation from these requirements must be approved in writing by the Department of History faculty meeting as a whole.
7. The Department of History reserves the right to exclude a course more than 10 years old from completing a major requirement.

## Notes

1. Classics courses in ancient history will be considered part of the European area of emphasis. History 323 may count in either the European or the Asian area.
2. The department advises students who plan to do graduate work in the discipline, especially in European, Asian, or Latin American history, to take at least two years of an appropriate foreign language.

## Requirements for the Minor

1. Completion of a minimum of six units in the Department of History to include
  - a. One unit from HIST 101, 152, 230, 245, 247, or 280;
  - b. Five additional units in the Department of History, three of which must be taken at the 300 level.
2. Students minoring in History must select courses from at least two of the following four areas of emphasis: Asian history, European history, Latin American history, or United States history.
3. At least three units of the six units must be completed in residence at the Tacoma campus.
4. Only courses in which a student has received a grade of C- or better can count toward the minor.
5. Any deviation from these requirements must be approved in writing by the Department of History faculty meeting as a whole.

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6. The History Department reserves the right to exclude a course more than 10 years old from completing a minor requirement.

## Notes

1. No Classics courses can be counted toward the History minor. Students interested in ancient history are advised to minor in Classics under Track II.
2. The Department advises students interested in pursuing a career in teaching to take History 200 as one of their six units.
3. HIST 323 may count in either the European or Asian area of emphasis.

## Course Offerings

Unless otherwise specified, each course carries 1 unit of credit and is offered at least once each academic year. Please see “Frequency of Course Offerings” on page 16.

**First-Year Seminars.** See *First-Year Seminars in the Core Curriculum section of this Bulletin for course descriptions (pages 17 and 29).*

### *Writing and Rhetoric*

111 **Scholars and Warriors in China and Japan**

### *Scholarly and Creative Inquiry*

122 **Ecotopia?: Landscape and Identity in the Pacific Northwest**

123 **The Second World War in Europe**

125 **Sightings: China in European and American Perception**

131 **“Let Nobody Turn Us Around”: History and Culture of the Civil Rights Era**

137 **The Black Death: Medieval and Modern Perspectives**

## Other courses offered by History department faculty

**AFAM 355, African American Women in American History**

Satisfies the Connections core requirement.

**ASIA 144, Asian Societies Past and Present**

Satisfies the Humanistic Approaches core requirement.

**HON 150, History and the Construction of the Other**

Satisfies the Seminar in Scholarly and Creative inquiry core requirement.

**HUM 122, Utopia / Dystopia**

Satisfies the Seminar in Scholarly and Creative inquiry core requirement.

**HUM 206, The Classics of Russian Literature**

Satisfies the Humanistic Approaches core requirement.

**HUM 208, Classics of East Asia**

Satisfies the Humanistic Approaches core requirement.

**HUM 306, Cultural Identity in Japan and the United States**

Satisfies the Connections core requirement.

**HUM 307, Shanghai and Tokyo in the 1920s**

Satisfies the Connections core requirement.

**HUM 309A, Nationalism: British and German Nationalism in the Age of Industrialization and Empire, 1700-1919**

Satisfies the Connections core requirement.

**LAS 100, Introduction to Latin American Studies**

Satisfies the Humanistic Approaches core requirement.

**LAS 111, Salsa, Samba, and Soccer: Popular Culture in Latin America**

Satisfies the Seminar in Scholarly and Creative inquiry core requirement.

**STS 345, Physics in the Modern World: Copenhagen to Manhattan**

Satisfies the Connections core requirement.

**101 Roots of the Western Experience** This course serves as an introduction to the Western historical traditions that trace their roots back to the earliest human settlements in the Near East approximately six thousand years ago. The course takes a chronological and thematic approach to the history of Europe and its neighbors from the ancient world through the medieval and early modern periods, ending in the seventeenth century. The course focuses on identifying key social, political, economic, and religious attributes of each culture encountered in order to make meaningful comparisons between various time periods and civilizations. To this end, the class considers a number of set themes throughout the semester, including changing models of political organization and rulership, conceptions of individual rights and responsibilities, attitudes towards women and “outsiders,” and conceptions of deities and divine power. Satisfies the Humanistic Approaches core requirement.

**102A Western Civilization: The Rise of the Modern State** A thematic introduction to modern European history (fifteenth through twentieth centuries). Institutional and organizational evolution of the modern state and of socioeconomic forces that have shaped it; investigation of the changing scope and content of governmental activity; analysis of political theories and ideologies that reflected and justified this evolutionary process. Satisfies the Humanistic Approaches core requirement.

**102B Western Civilization: 1650-1990** This course traces the development of the social, political, and intellectual forces that shaped modern Europe from the *Ancient Regime* to the present. Emphasis is placed on the Enlightenment, the Industrial Revolution, the rise of nationalism, the impact of war on society, and the emergence of the ideologies of communism and fascism. The final part of the course focuses on developments in Western and Eastern Europe since 1945. Satisfies the Humanistic Approaches core requirement. Not offered 2006-2007.

**152 American Experiences I: Origins to 1877** This course explores the experiences and values of America’s diverse peoples. Students in it not only expand their knowledge of events of American history but also deepen their understanding of the meaning of those events in people’s lives. Students learn how the social categories of race, gender, and class affected individual Americans’ identities and opportunities; how America’s natural environment shaped and was shaped by Americans’ human culture; and how Americans’ ideas and ideals both influenced and reflected their economic, political, and social institutions. To investigate these themes, students read writings by modern historians and analyze a wide variety of historical sources from the past. American Experiences I focuses on the period from European colonization through the end of Reconstruction. Satisfies the Humanistic Approaches core requirement.

**153 American Experiences II: 1877-Present** This course explores the experiences and values of America’s diverse peoples. Students in it not only expand their knowledge of the events of American history but also deepen their understanding of the meaning of those events in people’s lives. Students learn how the social categories of race, gender, and class affected individual Americans’ identities and opportunities; how Americans’ ideas and ideals both influenced and reflected their economic, political, and social institutions; and how Americans defined and re-defined national identity in the context of the nation’s changing role in the world. To inves-

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tigate these themes, students read writings by modern historians and analyze a wide variety of historical sources from the past. American Experiences II focuses on the period from the end of Reconstruction to the Present. Satisfies the Humanistic Approaches core requirement.

**200 Doing History: An Introduction** This course is designed to introduce prospective majors to the discipline and Department of History. In it, students learn what history is and how historians think and work. The course teaches students to do the two things that historians do: develop interpretations from primary sources and critically evaluate the interpretations advanced by other historians. Emphasis is placed on the methods and skills of reading, analyzing, discussing, and writing history. Reading assignments expose students to a variety of current approaches to history. Writing assignments give students practice in the types of historical writing that are expected of them in upper-division history courses. History 200 is intended to be taken in the sophomore year or as soon as a History major is declared. At least one prior course in History is desirable but not required. Students minoring in History or majoring in other disciplines are also welcome.

**218 England and the Two World Wars: 1914-1945** This course considers World Wars I and II from the perspective of England, a country that played a central role in both of these costly wars and in the turbulent period between them. Topics include the horrors of trench warfare, the changed place of women and workers in the interwar years, the menacing rise of Hitler in the 1930s, and the experience of World War II, including the Blitz, the arrival of Americans on English soil, the air war, the D-Day offensive, and the growing awareness of the Holocaust. Students visit relevant museums and war sites and work in major archives. Offered Fall 2006 only as part of the ILACA London program.

**227 Empire: The British Experience, 1500-1960** This course explores the impact on Britain of gaining an empire, from the 16<sup>th</sup> century to the present day. Each of four main chronological sections begins with a historical narrative which is then followed by study of special topics. These are intended to illuminate both the benefits and costs of Empire to Britain and to explore the contradictions of Empire: the increase in trade balance by the increased conflict, taking European wars onto a global scale; the willing migration of many for religious and economic opportunity versus the forced migration of black Africans in the slave trade (and to a much smaller extent of prisoners); the enrichment of English culture by the cultures of the Empire versus the Imperialist enforcement of British superiority; and finally, the creation of a multicultural Britain valued for its diversity and yet distrusted as a source of conflict. Offered only as part of the ILACA London Program.

**230 The Roots of English Society and Politics** An examination of the salient developments in English society and politics from pre-Roman Britain to the seventeenth century. Credit for HIST 230 will not be granted to students who have completed HIST 233. Offered every three years; not offered 2006-2007.

**231 Britain and Britishness: The Making of the First Industrial Nation** This course examines the texture of life in the world's first industrial nation. The lectures and readings are designed to introduce British political, social, and cultural history between the end of the Napoleonic Wars in 1815 and the conclusion of World War I in 1918. The course devotes special attention to the emergence of a specifically modern idea of the nation, a process that included defining "who belonged" to the British nation-state, who did not, and why. Inevitably, therefore, this course concentrates on the theory and practice of exclusion - demonstrating how, for example, the poor, the female, and the non-white were acceptable as Imperial subjects but not as voting citizens. Satisfies the Humanistic Approaches core requirement. Offered every other year; offered Fall 2006.

**234 History of London** This course traces the history of London from its Roman origins to 1945. The course has four goals: to gain a general understanding of the history of this city over 2000 years and how royalty, trade, religion, and transport have shaped the pattern of growth. The second aim is to overlay that intellectual understanding with a visual sense of the way London grew. The third is for students to learn about historical methods and the kinds of sources available for studying London. The fourth goal is to have students apply this background and these skills to investigate an aspect of London history of particular interest to them. Offered only as part of the ILACA London Program.

**245 Chinese Civilization** This course is a survey of the foundations and evolution of China's cultural tradition over a period of approximately 4,000 years, to about 1800. Consideration of the influential scholar-official elite, as well as society's malcontents, a wide range of philosophical and literary creativity, political upheavals, and socio-economic change over time informs critical analysis of China's lasting institutional structure and enduring ideology generally understood as the Confucian heritage. Satisfies the Humanistic Approaches core requirement.

**247 The Forging of the Japanese Tradition** This introductory survey of Japanese civilization from its origins to about 1840 examines the cultural experience of the Japanese people beginning with the formation and evolution of early hierarchical communities, through the aristocratic classical age and then rule by a territorially based military elite, and into commercial and social change in the early modern era of Tokugawa Japan. Special attention to enduring beliefs, values, and institutions enables understanding of the persistence of Japan's distinctive tradition despite cultural innovations from both indigenous and outside sources. Satisfies the Humanistic Approaches core requirement.

**254 African American Voices - A Survey of African American History** This course explores the historical experiences of African Americans in the United States from the colonial period to the present. The class studies the diversity of experiences that have constituted African American life, exploring the lives of individual African Americans, while also looking at the development and evolution of African American communities, and the interactions of African Americans with other Americans. Because racism has played such a significant role in shaping African American lives, students also explore the construction of the concept of "race," the interrelationship of the political, cultural, social, and intellectual forces that have given meaning to that concept, and the ways African Americans have responded to it across time. The course texts include not only the writings of contemporary historians, but also the historical writings, speeches, and artistic productions of African Americans, with particular emphasis on autobiographies. Satisfies the Humanistic Approaches core requirement. Offered every other year; not offered 2006-2007.

**280 Colonial Latin America** This course is a survey of the early period of Latin American history, from 1492 to 1826. It begins with an overview of the European background and the major indigenous civilizations in what Europeans came to call the New World. The central focus is on the encounter of indigenous and Iberian cultures and the process of conquest, resistance and mutual transformation that ensued over the next three centuries. Attention is also given to the social and economic structures and institutions of the colonies themselves, the development in some regions of plantation economies using slave labor from Africa, and the evolving relationship of Spanish America and Brazil to Europe, culminating in the wars of Independence. Satisfies the Humanistic Approaches core requirement. Offered Fall 2006.

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**281 Modern Latin America** Beginning with the transition from colonies to independent nations and ending with the political transitions and implementation of neo-liberal policies in the 1990s, this course considers the Latin American region from the perspective of its subordinate incorporation into the world economy, its struggles for democratic institutions and equitable development, and the formation of identities of class, gender, race, and ethnicity. Satisfies the Humanistic Approaches core requirement. Offered Spring 2007.

**283 The United States and Latin America** This course surveys relations between the United States and Latin America from the early nineteenth century to the present, with an emphasis on the interrelationship of economic, political, social, and cultural factors. Principal themes, considered through a variety of analytical and historical perspectives on international relations, include the changing framework and principles of foreign policy and the nature of economic trade and investment in the region. Offered every three years; not offered 2006-2007.

**302 Birth of Europe** This course introduces students to a period of history that was, until recently, commonly referred to as the “Dark Ages.” It uses historical, literary, and archaeological evidence from a variety of early medieval cultures to shed light on what was actually a time of exciting changes, a period which saw the transformation of the Mediterranean-centered Roman world and the rise of vibrant new cultures throughout Europe and the East. Topics include the “barbarization” of the Roman world, the Carolingian Renaissance, the role of women in various early medieval societies, the rise of Islamic civilizations in the East and Iberia, and the political, economic, and spiritual reordering of the medieval world during the tenth and early eleventh centuries. In the course of its explorations the class encounters martyrs and missionaries, pagan chieftains and Muslim pirates, Carolingian princesses and Viking raiders, and follows the development of early medieval culture up to the eve of the High Middle Ages. Offered every other year; not offered 2006-2007.

**303 The High and Later Middle Ages** During the centuries between the first millennium and the beginning of the early modern period, European culture was repeatedly transformed as the framework was laid for modern conceptions of the state, law, family, and individual. This course explores the world of later medieval Europe through a focus on particular themes, including the relationship between secular and ecclesiastical power, ideal models of Christian society, gender roles within lay society and the medieval Church, and conceptions of sin and sanctity. Offered every other year; not offered 2006-2007.

**304 Renaissance Europe** This course examines the great cultural revolution known as the Renaissance from a number of perspectives, considering new developments in the arts, political theory, historical awareness, concepts of the self, science, and technology as interrelated phenomena. The primary focus is on the towns of Northern Italy that served as the cradle of the Renaissance, but consideration is also given to the spread of Renaissance ideals and innovations into Northern Europe and the Americas in the course of the fifteenth and sixteenth centuries. Offered every other year; offered Fall 2006.

**305 Women and Gender in Pre-Modern Europe** Although men largely dominated the public sphere in pre-modern Europe, women left their mark on this world in a number of ways, as rulers and warriors, saints and visionaries, writers and artists. After a brief comparison of women’s and men’s roles in the Greco-Roman, Judeo-Christian, and Germanic traditions, the course traces the evolution of conceptions of gender through the sixteenth century, with an emphasis on medieval and early modern Europe. The course will also consider how factors such as social class, religion,

age, and marital status interacted with gender to determine the experience of pre-modern women and men. Counts as a Gender Studies elective. Not offered 2006-2007.

**310 Europe in the Twentieth Century: 1914-1991** This course examines the impact of World War I, the Depression, and the rise of fascism. The experience and the results of World War II and the resurgence of Europe in the post war period is assessed. Attention is given to the national history of the major powers in Eastern and Western Europe. Students who have received credit for HIST 218 may not receive credit for HIST 310. Offered every three years; not offered 2006-2007.

**315 The Rise of European Fascism** History of fascism as a popular, mass movement which heralded itself as the twentieth century alternative to liberalism, socialism, and communism. The course explores the varieties of fascism in, among others, Germany, Italy, Spain, France, Hungary, and Rumania. It focuses on the intellectual origins and political programs of the fascist parties and on the social groups that supported them and analyzes the various theories explaining the fascist phenomenon. Offered every three years; offered Fall 2006.

**317 European Intellectual History, Nineteenth and Twentieth Centuries** This course explores the origins of the modern world-view in the rise of systems of ideas (and their associated political programs) - conservatism, liberalism, materialism, evolutionism, positivism, nihilism - which are the everyday currency of modern thought. The course explores the struggle of European thinkers to find some common foundation for action - in reason, in revelation, in history, or even in nature. Offered every three years; not offered 2006-2007.

**323 Russia to 1861** Political and socio-economic evolution of Russia since the ninth century; equal emphasis on medieval and modern periods; in examining the evolution of Russian historical experience, the course underlines the breaks as well as continuities between past and present. Offered Fall 2006.

**324 Russia Since 1861** The course covers Russian Imperial state and society; revolutionary movements; causes of 1905 and 1917 revolutions; Russian and Soviet political cultures; Soviet Union and totalitarianism; Russian and Soviet foreign policy; the collapse of communism and the Soviet empire; post-communist Russian society and politics. Offered Spring 2007.

**330 Crime and Society in England** This course traces the revolutionary changes in the perception of criminality, the use of the criminal law, and the methods of law enforcement and punishment between 1750 and 1900. These changes are explained as the result of a society experiencing the dual impact of the Industrial and French revolutions. Offered every three years; not offered 2006-2007.

**332 Britain in the Nineteenth Century: Industry and Empire** The political, social, economic, and intellectual forces that worked to shape Britain in the nineteenth century. Offered every three years; not offered 2006-2007.

**340 Tolstoy, Gandhi, and King: A History of Nonviolent Social Change in the Twentieth Century** This course examines the resistance to war, imperialism, and racism in the twentieth century through the study of the lives and writings of Leo Tolstoy, Mohandas Gandhi, and Martin Luther King Jr. Students look at the direct historical relationships connecting these thinkers and leaders, and examine the foundations – Christian and Hindu – of their teaching. The Buddhist version of nonviolent social change, in the work of Thich Nhat Hanh, is also examined. The course assesses the prospects for nonviolent change in the twenty-first century. Offered every

# History

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three years; not offered 2006-2007.

**346 China Since 1800: Reform and Revolution** Through the study of the overlapping processes of reform and revolution in China in the nineteenth and twentieth centuries, this course surveys the emergence of today's People's Republic and Taiwan. The course gives special attention to institutional and cultural innovation within a context of continuity and to the primacy of internal sources of change, despite external pressures to alter China.

**348 Japan's Modern Century** This course examines the emergence of modern Japan from before the Meiji Restoration (1868), through the triumph and tragedy of imperial Japan, and beyond postwar reconstruction. The consideration of ideas, principles, and values that informed Tokugawa state and society and the study of Japan's selective absorption of European and American ideas and forms enable understanding of the role of values, both Japanese and non-Japanese, in Japan's national integration, rapid industrialization, and achievement of international recognition and power.

**350 American Transcendentalism** The subject of the course is the New England Transcendentalists and their critics. Assigned readings include Emerson's *Essays*, Thoreau's *Walden*, Fuller's *Woman in the Nineteenth Century*, Hawthorne's *Blithedale Romance*, as well as other primary source documents on Transcendentalism and the Brook Farm community. The approach is interdisciplinary, and students with an interest in literature, philosophy, or religion are especially welcome. Previous work in history is not required. Offered every other year; not offered 2006-2007.

**351 Early American Biography and Autobiography** This course uses biographies and autobiographies, diaries, journals, and other personal narratives and life histories to study the diversity of cultures and experiences in seventeenth- and eighteenth-century America. The emphasis is on Native Americans, European Americans, and African Americans in the British North American colonies before the Revolution, though a few readings are drawn from the post-Revolutionary period or from the Spanish, French, and Dutch colonies in America. Some of the subjects are famous individuals (e.g. William Bradford, Mary Rowlandson, Olaudah Equiano, Benjamin Franklin); others are less familiar women and men whose lives reveal a variety of social circumstances and conditions. Offered every other year; offered Spring 2007.

**352 The American Revolution, 1763-1789** This course emphasizes the following themes: the things that divided Americans from one another and the things that united them in rebellion; the incidents and ideology that convinced colonists that the British king, parliament, and people were conspiring to deprive them of their liberty; the reasons that some Americans remained loyalists while others became rebels; the relationship between imperial constitutional crisis and domestic social crisis; the consequences of the Revolution for women, African Americans, and Native Americans; the implications of the daring experiment in establishing republican government; and the legacy of the Revolution for subsequent American history. The aim of the course is to answer this question: How revolutionary was the American Revolution? Offered every other year; not offered 2006-2007.

**353 Abraham Lincoln and the Civil War Era** This course focuses on the life of Abraham Lincoln as a way to study the Civil War era in the United States. Readings are drawn from the speeches and writings of Lincoln and from the best recent biographies and scholarly studies of Lincoln. Offered every other year; offered Fall 2006.



**356 Industrialism and Reform: From Populism to the New Deal** After a limited examination of the structures, institutions, and values of the emerging American industrial society of the early twentieth century, this course concentrates on a study of reform movements, their goals, and their impact in the period from the 1890s to the 1930s. Readings address a combination of economic, political, social, and intellectual concerns and include both primary and secondary sources. Offered every three years; offered Spring 2007.

**357 From Millwrights to Microchips: Business and Technology in American History** This cross-disciplinary course examines the progression of American business and technology from the colonial period through the post-Cold War era. Set in the broad context of three industrial revolutions, the course investigates the interrelationship of major technological advances and business enterprise development. Incessant change and innovation have been defining characteristics of the American capitalist system, and this course explores the continuous sweeping out of old products, old processes, and old organizational forms by new ones. Core topics include the development of the business firm, the advancement of production, communication, and transportation technologies, the evolution of business-government relations, and the interconnections of business, technology, society, and culture. Not offered 2006-2007.

**358 Politics and Culture in the Age of FDR** This course explores developments within and the interplay between American politics and culture during the Great Depression and World War II. Political patterns associated with party realignment, changing federal-state relations, ethnicity, economic interest groups, and the leadership of Franklin Roosevelt are considered alongside the cultural configurations of advertising, reportage, photography, design, and the movies. The course tracks the main developments of World War II and extends through that period its exploration of culture and politics. Recordings of songs, speeches, and oral history interviews, as well as a variety of visual materials, are used throughout the course. Not offered 2006-2007.

**359 The United States in the 1960s** This course explores the history of the United States during the 1960s, investigating topics and themes in social, political, and cultural history. The class emphasizes the exploration of various forms of social and political activism, including the civil rights movement, the New Left and student movement, the antiwar movement, the women's movement, environmentalism, the movement for American Indian rights, consumer activism, and the gay liberation movement. Other topics considered include the New Frontier, the Great Society, the Vietnam War, the counterculture, and the conservative resurgence. Offered every three years; not offered 2006-2007.

**360 Frontiers of Native America** This course explores the political and cultural frontiers between Indian peoples and Euro-Americans from contact to the present. Students use documents, autobiography, ethnohistory, ethnography, film, and literature to examine Indian-white relations from a variety of viewpoints. The approach moves beyond a simple narrative of what happened to Indians to a more complex consideration of how Indians have made their own history and how that history has been presented and contested. Offered every other year; not offered 2006-2007.

**361 The United States and the War in Vietnam** This course investigates American involvement in Southeast Asia, particularly Vietnam. The course focuses on the years of the Second Indochina War (1954-1975), with particular attention to the meaning and experience of American involvement for Americans. At the same time, the course places these core subjects in the context of a larger history, including the history of Southeast Asia before and after U.S. involvement, and the legacies of the war for the United States and its citizens. Some of the issues the course explores

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include: Why did the United States first get involved in Vietnam? What led to the expansion of American involvement? Who were the nation's allies? Enemies? What motivated them in their struggles? What motivated Americans who supported the war? What motivated those who opposed it? What were the experiences of the men and women who served in Vietnam? What is PTSD and why has it been such a serious problem for some veterans of this war? Why did the United States withdraw from the war? What were the broader geo-political consequences of American involvement? Withdrawal? How does the war affect the United States today? The course also explores closely the role of values in shaping this war, as well as the clashes between values that were both causes and consequences of the war. Not offered 2006-2007.

**364 American Environmental History** This course examines the relationship between human society and the natural world in what is now the United States. That relationship is complex: non-human nature sustains human society, yet people can have a profound and often destructive effect on the natural world. Nature, nonetheless, cannot be completely altered to suit human needs: resources are finite and people are bound by the limits of biology. The environment thus simultaneously creates and limits human possibilities and reflects human influences. Through reading and discussion, participants in this course examine this reciprocal relationship between ecology and society. Offered every other year; not offered 2006-2007.

**367 The Civil War** The social, political, economic, and cultural forces that shaped the United States in the nineteenth century also yielded a bitter civil war. This course examines the fundamental questions about democracy, political confederation, freedom, equality, and nationhood that Americans faced as they moved toward and fought their fratricidal war. Attention is also given to the postwar process of reconstruction. Offered every three years; not offered 2006-2007.

**369 History of the West and the Pacific Northwest** This course examines major themes in the history of the American West during the last two centuries, with particular emphasis on the Pacific Northwest. Themes include Indian-white encounters, the formation of frontier communities, land policy and resource use, the impact of federalism, urbanization, and the West in the American imagination. Offered every other year; offered Spring 2007.

**371 American Intellectual History to 1865** This course examines the works of some of the more important American intellectuals who lived and wrote in the years before the Civil War. The approach is biographical, and the aim is to relate ideas to the social, political, and personal situations of the thinkers. Special attention is given to the ways that these intellectuals dealt with the tension between individualism and social responsibility. Thinkers studied include Winthrop, Edwards, Franklin, Jefferson, Madison, Leggett, Calhoun, C. Beecher, S. Grimké, Douglass, Fuller, Emerson, Thoreau, Noyes, Fitzhugh, and Melville. Satisfies the Humanistic Approaches core requirement. Offered every three years; not offered 2006-2007.

**372 American Cultural History Since 1865** This course focuses on the rise of consumer culture and the way the media have influenced the formation of the American identity since 1865. The class explores the cultural significance of mass circulation magazines, advertising, photography, radio, film, television, and the Internet. Particular attention is paid to the cultural construction of race and gender. Several films are screened outside of regular class time. Offered every other year; not offered 2006-2007.

**375 Women and Social Change in the U.S. Since 1880** This course takes on a three-fold task: 1) to explore how basic demographic, socio-economic, and cultural transformations in the U.S. over the last century have differentially affected women's lives; 2) to examine how these social

structural changes have periodically given rise to “women’s movement” activism - or the commitment of some women to act collectively to change social conditions perceived to be constricting or oppressive to women - as well as to collective or institutional efforts to counter such a movement; and 3) to explore the various strands of twentieth-century feminism, a cultural tradition made up of beliefs, ideas, and values which originates from the same material conditions and influence and overlaps with the organized actions of the “women’s movement” above, but which has its own separate and complex “life.” Offered every other year; not offered 2006-2007.

**376 Medicine, Health, and Disease in the United States in the Twentieth Century** This course is designed to introduce some of the central topics and issues in the history of medicine in the United States in the twentieth century, emphasizing especially the complex interactions between American culture and our understandings of health, disease, and medicine. Though the course proceeds roughly chronologically, thematic emphases also affect its organization. Important themes include the authority of allopathic medicine; the role of medicine in the construction of gender, sexuality, and race; the intersection between the medical field and anti-immigrant activism and the eugenics movement; the role of advancements in science and technology in American health care; ethics in medicine; patient experiences and the patient challenge to medical authority; alternative medicine; AIDS; the growth of managed care; and other issues confronting Americans at the beginning of the twenty-first century. Students explore other topics and issues through writing assignments and group projects. Readings include both primary and secondary sources. Offered every three years; not offered 2006-2007.

**380 Modern Mexico** This course traces the emergence of modern Mexico in the last century. The course begins with attempts at economic modernization and political centralization in the late nineteenth century, considers the social upheaval of the Revolution of 1910 and the consolidation of the post-revolutionary regime by 1940, follows the rise and demise of the “Mexican Miracle” of growth and stability from 1940 to 1968, and examines recent reforms emerging from the debt and political crises of the 1980s. The focus is on the nature of the political system, how different regions and social sectors have experienced the century of change, and diplomatic and economic relations with the United States. Offered every other year; not offered 2006-2007.

**381 Film and History: Latin America** In 1915 filmmaker D.W. Griffith predicted that “moving pictures” would soon replace book writing as the principal way to communicate knowledge about the past. Both historical writing and movies have at various times made parallel promises to objectively convey past realities. But just as historians have questioned the objectivity of the written word, one might also ask “how real is reel?” This course explores the relationship between film and historical interpretation and understanding. It considers how films produced in the U.S. and Latin America interpret Latin American history, and how they can be used to understand Latin America’s past. Besides viewing and discussing around ten films throughout the semester, the class also reads a series of related historical texts, both as a point of interpretive comparison for the films, and as a point of reflection on the possibilities and limits of the academia-bound historian’s primary medium. Offered every three years; not offered 2006-2007.

**382 Comparative Revolutions in Twentieth-Century Latin America** Revolutions, according to H.L. Mencken, are the “sex of politics.” They offer an opportunity to glimpse social and political life in their rawest and most revealing forms. The goal of most twentieth-century Latin American revolutions has been national development, defined economically, politically, and culturally. This course explores the revolutions of Mexico, Cuba, and Nicaragua in terms of their causes, the process of revolution, and the consequences of revolution for politics, society, and culture. It also

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considers the foreign policy of the United States toward revolutionaries and revolutionary governments. Sources include historical narrative, testimony, novels, and film. Offered every three years; not offered 2006-2007.

**385 Cities, Workers, and Social Movements in Latin America, 1880-1990** This course explores the development of the Latin American city over the last century and considers the patterns of social mobilization among workers and the urban poor that have helped to shape the modern political traditions of the region. The first theme considers urban growth and social conditions and the interplay between elite and popular classes in the urban context. The second explores the role of workers and their attempts to organize in the workplace and assert themselves in local and national political arenas. The final theme examines historical and contemporary urban social movements that have contributed to the process of democratization in Latin America. Offered every three years; not offered 2006-2007.

**386 Slave Societies in the Americas** What system of morals and beliefs, what societies, permitted one group of humans to own another? Using primary and secondary sources from the United States, Latin America, and the larger Atlantic World, this course explores the lives of slaves as they made the middle passage, were sold in markets, labored, created families and communities, revolted and escaped, or consented to their situation. The class makes comparisons that are temporal, transnational, and cross-cultural. Since most (but not all) slave owners were lighter skinned than their slaves, race is a necessary component. Students pay special attention to the ways historical subjects formed systems of values that seemed sensible within their communities and nations, but are difficult to imagine today. Slave and owner narratives give clues to how slavery bound two peoples together in a relationship of negotiation but with vastly unequal power. Offered Fall 2006 only.

**400 Research Seminar in Historical Method** This course is a practicum in the methods and techniques of historical research and writing. Students undertake independent research in primary source materials and complete an advanced research paper. The content varies with instructor and may have European (400A), United States (400B), East Asian (400C), or U.S. and Latin American (400D) emphasis.

**495 / 496 Independent Study** An independent study course provides for study under the supervision of a faculty member of a specific topic not covered by existing courses in order to develop particular interest on the part of the student. The topic must be agreed upon with a faculty member and described in a proposal at the time of registration. No more than one independent study may count toward the major or minor in history.

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## HONORS

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Professor: Michael Curley, *Susan Resneck Pierce Professor of Humanities and Honors and Honors Program Director*; Mott T. Greene (on leave Fall 2006), *John B. Magee Professor of Science and Values*

Assistant Professor: George Erving

Committee: Bill Barry, *Classics*; Elisabeth Bernard, *Religion*; Beverly Conner, *English*; George Erving, *Honors/Humanities/English*; Mott Greene, *Honors/Science, Technology, and Society* (on leave Fall 2006); Wade Hands, *Economics*; Paul Loeb, *Philosophy*; Bob Matthews, *Mathematics and Computer Science*; *Philosophy*; Ann Putnam, *English*; Andy Rex, *Physics*; David Smith, *History*

### About the Program

The Honors Program is an intensive four-year program in the university's core curriculum for students selected on the basis of their academic performance. It does not supplant the academic major, but seeks to stimulate students to develop their capacities as intellectually rigorous and independent persons embodying the best of liberal education.

The curriculum of the program has been designed to realize the principal objectives of the university's academic program. The student learning outcomes we hope to achieve are (1) breadth as well as depth in learning, and (2) the refinement of writing and intellectual skills. The foundation of the Honors curriculum is the three-year sequence for freshmen, sophomores, and juniors that aims to familiarize students with major written works and original thinkers of the Western intellectual tradition, from Greco-Roman classics to modern scientific revolutions, and culminating in a comparative study of classic texts from Near Eastern, South Asian, and East Asian civilizations. These courses serve as preparation for the research and writing of a thesis in the senior year, one of the principal outcomes for gauging the student's success in achieving the learning goals of the Honors Program. After successfully completing the prescribed coursework and writing an approved senior thesis, Honors graduates are designated Coolidge Otis Chapman Honors Scholars upon graduation.

### Requirements

Honors students must meet the following requirements.

1. The following courses must be taken by all Honors students: HON 101, 150, 211, and 401.
2. All Honors students must take three of the following four courses: HON 206, 212, 213, and 214.
3. Writing and publicly presenting a senior thesis normally in the student's major.

Students are urged to take the Honors courses in their numerical sequence. Once admitted to the Honors program, a student continues so long as he/she maintains a minimum GPA as established by the Honors Committee in all university work or until he/she resigns from the program. The Honors faculty annually reviews the performance of Honors students to determine their continuance in the program. Dismissed students may apply for readmission upon evidence of satisfactory academic improvement.

### Course Offerings

Each course carries 1 unit of credit and is offered at least once each academic year.

# Honors

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**First-Year Seminars.** See *First-Year Seminars in the Core Curriculum* section of this Bulletin for course descriptions (pages 17 and 29).

## **Writing and Rhetoric**

### **101 Encountering the Other / Writing the Self**

## **Scholarly and Creative Inquiry**

### **150 History and the Construction of the Other**

**Connections courses.** See the *Connections* section in the *Core Curriculum* section of this Bulletin for course descriptions (page 37)

### **401 Some Classics of Islamic, Indian, and East Asian Civilizations**

**206 The Arts of the Classical World and the Middle Ages** This course introduces students to the aesthetic, formal, and social aspects of Egyptian, Greek, Roman, Early Christian, and Islamic Art. Students analyze the cultural factors which influence and determine a given civilization's art forms and develop skills for aesthetic and iconographic analysis. *Prerequisite: Admission to the Honors Program.* Satisfies the Fine Arts Approaches core requirement.

**211 Literature and the Construction of the Self** This course introduces some of the major literary texts and questions that have shaped and haunted the Western humanistic tradition. Many of the readings are grouped around the theme of "the quest," a topos which has allowed authors (and allows the class) to address questions about the nature of life and death, desire, morality, and integrity, and to confront the tensions between individuality and community, continuity, and transformation. The "bookends" of the course, Homer's *Odyssey* and Joyce's *Ulysses*, set up another of its central concerns: What makes it worthwhile (for Joyce and for us) to read Homer? Why do these authors draw as much from art as they do from life? What does the art of literature do? What is it for? Why is it important to us as human beings? *Prerequisite: Admission to the Honors Program.* Satisfies the Humanistic Approaches core requirement.

**212 Origins of the Modern World View** A study of the development of attempts by scientific thinkers to understand and explain the universe. The central theme is the development of astronomy and physics, but some mention is made of corollary studies in mathematics and other sciences. A major portion of the course is devoted to the scientific revolution of the seventeenth century and the work of Kepler, Galileo, and Newton. Another major portion concerns the development of twentieth-century physics, concentrating on relativity and the quantum theory as developed by Einstein, Bohr, Heisenberg, and others. Satisfies the Natural Scientific Approaches core requirement. *Prerequisite: Admission to the Honors Program.*

**213 Mathematical Reasoning: Foundations of Geometry** This course presents a rigorous treatment of the foundations of Euclidean and hyperbolic geometry. The discovery of non-Euclidean geometries shattered the traditional conception of geometry as the true description of physical space. This discovery led to a revolution in geometry as scientifically profound as that of the Copernican revolution in astronomy. Students learn the history and foundations of geometry by actually proving theorems based on Hilbert's axioms for geometry. Emphasis is placed upon logic, the axiomatic method, and mathematical models. *Prerequisite: Admission to the Honors Program.* Credit for HON 213 will not be granted to students who have completed MATH 300. Satisfies the Mathematical Approaches core requirement.

**214 Social Scientific Approaches to Knowing** This course has as its subject matter the individual's relation to society and the relationships that arise among individuals, organizations, or institutions. This course aims to enable the student, as an individual, to understand his/her relation to the social world considered as a web of complex and dynamic interrelationships among cultural, economic, psychological, political, and social factors. To this end, the course examines and compares various systematic theories and methods used to analyze this social world, their embedded assumptions, their claim to scientific status and empirical verification, and their application to various contemporary problems. The course also examines the idea of a social science and the importance of simplifying or describing observations of the world in order to construct a model of individual or collective behavior. Satisfies the Social Scientific Approaches core requirement. *Prerequisite: Admission to the Honors Program.*

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## HUMANITIES

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Director: Robert Garratt, *English*

Assistant Professor: George Erving

Advisory Committee: William Barry, *Classics*; William Beardsley, *Philosophy*; Geoffrey Block, *Music*; George Erving, *Honors/Humanities/English* (on leave Spring 2007); Kent Hooper, *Foreign Languages and Literature*; Aislinn Melchior, *Classics*; Eric Orlin, *Classics* (on leave 2006-2007); Geoff Proehl, *Theatre Arts*; David Smith, *History*; David Tinsley, *Foreign Languages and Literature*; Keith Ward, *Music*; Linda Williams, *Art*

### About the Program

Humanities courses at the University of Puget Sound are deliberately interdisciplinary, combining subject matter and methodology of history, literature, philosophy, religion, art history, and music history. In varying ways, these courses explore the lives and works of individuals whose creative efforts make others understand what it means to be human, whatever one's culture or tradition. Students taking courses in the Humanities Program approach the fundamental question of what it means to be human. The Humanities Program offers courses in conjunction with the university's core allowing students to satisfy the following core requirements: First-year Seminars, Connections, and Humanistic Approaches. The Humanities Program also offers first year students a special year-long humanities course, extra-curricular activities, and a residential component. Humanities courses are available to all students, regardless of major.

### Course Offerings

Unless otherwise specified, each course carries 1 unit of credit and is offered at least once each academic year. Please see "Frequency of Course Offerings" on page 16.

**First Year Seminars.** See *First Year Seminars in the Core Curriculum* section of this Bulletin for course descriptions (pages 17 and 29).

#### *Writing and Rhetoric*

121 Arms and Men: The Rhetoric of Warfare

#### *Scholarly and Creative Inquiry*

120 Crisis and Culture

122 Utopia/Dystopia

**Connections courses.** *See the Connections section the Core Curriculum section of this Bulletin for course descriptions (page 37)*

**306 Cultural Identity in Japan and the United States**

**307 Shanghai and Tokyo in the 1920s**

**309A Nationalism: British and German Nationalism in the Age of Industrialization and Empire, 1700-1919**

**315 Drama, Film, and the Musical Stage**

**310 Imperialism and Culture: the British Experience**

**330, Tao and Landscape Art**

**201 Arts, Ideas and Society** Survey of intellectual developments in western civilization from the Renaissance through the eighteenth century. Emphasis is placed on the relationship between the individual and the state examined through literature and the arts. Satisfies the Humanistic Approaches core requirement. Offered every other year; offered Spring 2007.

**206 The Classics of Russian Literature** Most great Russian writers of the nineteenth and twentieth centuries have been concerned with the so-called “accursed questions” that address the purpose and meaning of human existence, the role of the individual, the individual’s obligations to oneself and to fellow human beings, the claims that state and society may place on human freedom, the individual’s relationship to the infinite and the divine. The texts chosen to illuminate these themselves, include, among others, works of Pushkin, Gogol, Dostoevsky, Tolstoy, Bulgakov, and Solzhenitsyn. Satisfies the Humanistic Approaches core requirement. Offered every other year; offered Spring 2007.

**208 Classics of East Asia** Proceeding on the assumption that classic works of creative expression are universally accessible, this course explores translated literary classics that have informed the evolution of human existence in China and Japan through more than two millennia. Texts include selections from novels, poetry, drama, stories, and essays in the consideration of recurring issues of human experience such as nature, family, power, wealth, love, aesthetics, self, society, and the consequences of social change. Satisfies the Humanistic Approaches core requirement. Offered every other year; not offered 2006-2007.

**210 Power and Culture in Periclean Athens and Augustan Rome** This interdisciplinary course offers students an insight into the culture, politics, and social structure of the ancient Greek and Roman city. This course emphasizes Classical Athens and Augustan Rome by examining the connections between the art, history, and literature of each city. Major topics explored include the social and political uses of literature and material culture (art, architecture, and city planning) and the impact of different types of political structures on art and literature. Readings concentrate on texts (in translation) written by Greeks and Romans themselves, supplemented by secondary literature on the art and history of each period. Satisfies the Humanistic Approaches core requirement. Offered every other year; not offered 2006-2007.

**301 The Idea of the Self** This course engages philosophical and literary works from the late seventeenth to the mid-twentieth century that document the emergence of the modern concept of the self. The authors considered explore such questions as, “Is the self static, determinate, and unified, or is it dynamic, ephemeral, and fragmented? Is it autonomous or culturally conditioned? Does it will its own actions, or are these determined by external circumstances? Is it innately good, or evil, or neither?” Working from literary, philosophical, historical, and psycho-



logical perspectives, the course traces how early modern thought in the West has variously represented the self, how these representations have reflected and influenced its cultural evolution, and how they remain imbedded in contemporary formulations of selfhood. Authors include Pascal, Hobbes, Bunyan, Locke, La Rochefoucauld, De Lafayette, Franklin, Rousseau, Diderot, Hume, Blake, Coleridge, Wordsworth, Dostoevsky, Freud, Kojeve, and Girard. Not offered 2006-2007.

**302 Individuality and Transcendence in Medieval Literature** This seminar explores how medieval men and women writers depicted individuality and its transcendence in Arthurian romance and mystical writings. The juxtaposition of the knight's quest with the soul's journey leads to reflection upon how medieval culture has helped to shape modern notions of identity and gender. Crosslisted as FL 393. Offered every other year; not offered 2006-2007.

**304 Ancients and Moderns** This course focuses how certain "modern" European and American writers and artists from the eighteenth, nineteenth, and twentieth centuries have responded to ideas, symbols, and mythology of the ancient Greco/Roman world in order to understand and express their own contemporary modern experience. Themes and topics in the class may include the appropriation of ancient pagan attitudes regarding Christianity, the influence of Greco / Roman civic virtue on the idea of the modern citizen, or the image of the city of Rome and its influence on the idea of the modern city. While course material may vary according to the interests of the instructor, and the modern period under consideration may be extensive or narrow (some professors, for example, may choose to concentrate on only the eighteenth century, or on the twentieth; others may prefer to survey eighteenth through twentieth), this class nonetheless puts students in contact with both ancient and modern subject matter and materials.

**305 Modernization and Modernism** An exploration of late nineteenth and early twentieth century culture of Western Europe and the United States, organized around the concepts of modernization and modernism. The course focuses on the way in which modernist art opposes those values inherent in social and political life at the turn of the twentieth century. Against the background of the elements of modernization, including democracy, education, transportation, communication, and technology, the course considers the work of artists and intellectuals such as Nietzsche, Wagner, Freud, Debussy, Lawrence, Joyce, Stravinsky, Kafka, and Ives. The course also explores scholarly commentary on both the writers and artists and on the concepts developed to describe the intellectual and cultural history of the period. The course considers not only the values implicit in the major texts themselves, but also the adequacy of concepts which scholars have developed to explain them.

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## INTERNATIONAL POLITICAL ECONOMY

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Professor: David Balaam (on leave Spring 2007); Michael Veseth, *Director*

Associate Professor: Nick Kontogeorgopoulos

Assistant Professor: Bradford Dillman

### About the Program

The International Political Economy Program offers a multidisciplinary approach to the study of modern society. International Political Economy encourages the integrated analysis of social problems and issues, using tools and methods of political science, economics, and sociology as informed by an understanding of history and tempered by appreciation of culture and cultural differences.

# International Political Economy

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Students in the International Political Economy program 1) gain an appreciation for competing theoretical perspectives; 2) learn to consider the multiple and overlapping economic, political, and social linkages between and among global actors and events; 3) master the application of this powerful framework to the analysis of a wide range of issues; 4) learn to consider issues broadly, to see how issues and problems are interconnected; and 5) learn to engage in critical and creative thinking.

The program sponsors regular lectures, discussions, and debates on campus, which encourage students and faculty to confront and consider the integrated character of global economic, political, and social issues. The program also sponsors courses specially tailored to the needs of students enrolled in the ILACA foreign-study program in London.

## About the International Political Economy Major

The International Political Economy major takes the form of a thoughtfully integrated set of courses in the social sciences and humanities leading to the degree of Bachelor of Arts in International Political Economy. The goal of this major is to prepare students for an increasingly interdependent world through the study of international and global issues. The IPE major culminates in a senior thesis in which students demonstrate their ability to analyze a complex question, bringing to bear both the depth of their knowledge and the breadth of their liberal arts education.

Students who major in IPE take required courses in International Political Economy, Politics and Government, Economics, Comparative Sociology, Mathematics, and Foreign Languages. They tailor their plan of study to their individual educational goals by choosing additional courses from a list of electives from these departments and also from History, Philosophy, and Business and Leadership.

IPE majors are encouraged to pursue foreign travel-study opportunities as part of their undergraduate education. More than half of all IPE majors since the program's inception have studied abroad. Many students combine foreign study with background research for the Senior Thesis.

Students who major in IPE thus combine broad, multidisciplinary studies of IPE, which examine global problems from a variety of perspectives, with the opportunity to focus more narrowly and to study intensely a specific problem, issue, or event in their senior thesis. The IPE major clearly embodies the spirit of liberal education as we understand it at the University of Puget Sound.

## Structure of the IPE Major

The core of the IPE major is found in the three required IPE classes (201, 301, and 401) and the three elective courses. The other IPE requirements - in economics, foreign language, comparative sociology, and statistics - provide necessary tools and skills and encourage the breadth of knowledge and sensitivity to differing viewpoints that are hallmarks of IPE at Puget Sound.

IPE 201: Introduction to International Political Economy introduces students to the study of International Political Economy and surveys the international and global problems with which IPE concerns itself. This course is designed to be a useful element of the liberal education for majors and non-majors alike. IPE 201 is offered every semester.

IPE 301: Theories of IPE is for IPE majors only. IPE 301 features a relatively rigorous analysis of the main theories of IPE. The evolution of IPE and IPE theory are the central theme of this course. Students write a "Theory Paper," which is intended to establish a theoretical foundation for further research in IPE, including especially senior thesis research. IPE 301 is offered every

semester. Students usually take IPE 301 in the junior year or in the fall of the senior year.

IPE 401: Senior Thesis Seminar is the capstone course for IPE majors. Students come together in a working seminar format to share ideas, engage in critical discussions, and write and defend their senior theses. Ideally, each student's work in IPE 401 builds upon a foundation laid in the earlier courses and attempts to reach even higher, to make a personal statement. Elements of the IPE 301 Theory Paper and even parts of papers written for the elective courses can be incorporated into the thesis. In general, the more that a thesis is able to build upon past work the more it can be expected to achieve.

IPE Major Electives. IPE majors take three elective classes from a diverse list of approved classes. Students take IPE electives in their sophomore, junior, and senior years as time and course schedules permit. Students who study abroad are usually able to count at least one class as an IPE elective. It is also possible in special cases to appeal to the program director to have classes not on the official list count as IPE electives.

## Using Electives to Create Expertise

Students are encouraged to choose their elective classes so that they will, along with IPE 301 and other required courses, provide both the background and the specific expertise that is needed to write an excellent senior thesis.

The three IPE elective classes should ideally provide different perspectives on a significant problem or issue. IPE students should consult closely with their advisors in selecting electives.

A student who wants to prepare to write a thesis on the problems of less developed countries, for example, would be well-advised to select IPE electives from among these courses:

- CSOC 230, Indigenous People: Alternative Political Economies
- CSOC 318, Women and Global Inequality
- CSOC 323, Tourism and the Global Order
- CSOC 335, Third World Perspectives
- ECON 242, Comparative Economic Systems
- ECON 251, Technology and Development
- ECON 314, Economic Growth and Development
- IPE 311, Political Economy of "Third World" Development
- IPE 382, The Illicit Global Economy
- PG 322, The Political Economy of Central America and the Caribbean
- PG 323, Asian Political Systems
- PG 325, Political Economy of South America
- PG 339, Globalization in Southeast Asia

On the other hand, a student who is interested in U.S. foreign policy, perhaps with an eye towards a future in the U.S. State Department or working for an international organization, might choose electives from among these relevant courses:

- CSOC 352, Work, Culture, and Globalization
- ECON 314, Economic Growth and Development
- IPE 361, Unraveling Globalization
- IPE 380, Gods, Guns, and Oil in the Middle East
- PG 317, U.S. Political Economy
- PG 321, European Political Systems

# International Political Economy

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PG 326, The New Europe  
PG331, U.S. Foreign Policy  
PG332, International Organizations  
PG335, Global Security  
PG 336, Terrorism and Globalization  
PG 337, U.S. – Canadian Relations  
PG372, Japanese Political Economy

Students who major in IPE have diverse interests and go on to a wide variety of careers (the IPE Web site, [www.ups.edu/ipe/](http://www.ups.edu/ipe/), contains information about careers and opportunities in IPE and the activities of IPE alumni). It is impossible for a single list or even a short set of lists to provide a set menu of elective recommendations. These two examples, however, illustrate the idea that the choice of electives can and should be thoughtful and reasoned, creating a unique background in a particular area of IPE.

IPE majors should work with their advisors and IPE professors to create a menu of elective choices like those above (which are meant to be illustrative, not prescriptive). Different elective “menus” can be created for students with interests as diverse as these: Asia, Europe, Latin America, Africa, the Middle East, North-South relations, Multinational Corporations, Globalization, Trade Policy, Global Environment, NGOs, Labor Issues, and Women’s Issues, to name just a few.

## Other Important Issues

Most IPE majors study abroad at some point in their undergraduate careers. Students are advised to begin to consider foreign study options as soon as possible and to give special consideration to foreign language preparation. Although some study abroad programs have no formal foreign language requirement, other programs require as many as two years of prior language study. IPE students and their advisors should give serious consideration to foreign language preparation both for foreign study and with respect to senior thesis research needs and career preparation.

Many IPE students plan eventually to pursue advanced degrees in IPE or a related field. It is wise, therefore, to what undergraduate courses might be most useful as preparation for graduate schools in addition to the coursework required for the IPE major.

Students who expect to pursue Master’s or Ph.D. degrees, for example, would be wise to consult with their IPE advisors regarding consider additional coursework that may be necessary or advisable in foreign language, quantitative methods, or research methodology.

Students who want to prepare themselves for the MBA degree should supplement the IPE requirements with core business classes such as accounting and finance.

Students who plan to enter graduate programs in area studies, such as Asian Studies or Latin American Studies, should consider additional coursework in foreign language and literature, comparative politics, and cultural studies.

## General Requirements for the Major

General university degree requirements stipulate that 1) at least four units of the major be taken in residence at Puget Sound; 2) students earn a GPA of 2.0 in courses taken for the major; and 3) all courses taken for a major must be taken for graded credit. Any exceptions to these stipulations are indicated in the major degree requirements listed below.

## Requirements for the Major

- I. IPE 201, PG 102, ECON 170, and one of the following courses: CSOC 103, 200, 204, 230.
- II. IPE 301, ECON 371.
- III. MATH 160 or 260 or equivalent. Students who entered the university prior to academic year 2003-2004 are also required to take two units of a modern foreign language. Students satisfying the foreign language graduation requirement have met the IPE foreign language competency requirement.
- IV. Three units chosen from the following courses. Elective courses must be carefully chosen in consultation with an advisor from the International Political Economy Program to help prepare students to write a senior thesis.  
BUS 270, 371, 372, 375  
CSOC 204, 230, 295, 316, 318, 323, 335, 352  
ECON 218, 221, 314, 325, 351, 380  
HIST 281, 310, 317, 324, 346, 348  
IPE 311, 331, 361, 380, 382  
PG 317, 321, 322, 323, 325, 327, 328, 331, 332, 334, 336, 337, 339, 340, 372  
PHIL 280, 317, 388
- V. Senior Thesis: IPE 401

## Notes

1. To count towards the major a course must be C- or above.
2. Every student must coordinate his or her program with an advisor designated by the Director of the International Political Economy Program.
3. No course used to satisfy university core requirements may be used to satisfy the IPE elective requirements listed in Part IV above.
4. Where a course supports both a major in IPE and fulfills a major or minor requirement in another field, a student may count no more than two 200- or higher-level departmental units from that major or minor towards the IPE major. This restriction does not apply to courses used to satisfy the IPE foreign language literacy requirement and also applied to a Foreign Language major or minor or to those courses used to satisfy the statistics requirement (see III above).
5. CSOC 204 and CSOC 230 may be taken to satisfy either the CSOC requirement in I or the elective requirement in IV, but not both.

## Course Offerings

Unless otherwise specified, each course carries 1 unit of credit and is offered at least once each academic year. Please see “Frequency of Course Offerings” on page 16.

**First-Year Seminars.** See *First-Year Seminars in the Core Curriculum* section of this Bulletin for course descriptions (pages 17 and 29).

### *Scholarly and Creative Inquiry*

**123 Political Economy of Southeast Asia**

**180 War and Peace in the Middle East**

**Connections courses.** See the *Connections* section in the *Core Curriculum* section of this Bulletin for course descriptions (page 37)

**377 Revolutionary Ideas in Political Economy**

**427 Competing Perspectives on the Material World**

# International Political Economy

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**191 Model United Nations** 0.25 activity unit In this course students learn about the functioning of the United Nations and participate in a Model U.N. conference. Students research contemporary issues facing the U.N. and debate these issues from the perspective of a selected country. Fees may be required to cover conference costs. Course may be repeated.

**201 Introduction to International Political Economy** This course provides a multidisciplinary introduction to the study of international and multinational social, political, and economic problems. Concepts, theories, and methods of analysis drawn from economics, history, political science, and sociology are developed and applied to enable students to understand broadly a number of current economic, political, and social problems, stressing their comparative and international aspects. Satisfies the Social Scientific Approaches core requirement.

**250 Britain Today: Issues & Perspectives** Britain Today is the core course of the ILACA program in London. Its aims are twofold: to introduce students to key aspects of the British experience, and to provide a context for the optional courses on the program. Britain Today considers the British experience by means of six study blocks covering the economy, nationality, politics and government, social class in Britain, war and Britain in the twentieth century, and social policy. These blocks approach their subject through class lectures, recommended reading, guest speakers, and study visits. Offered only as a part of the ILACA London program.

**260 The UK and European Integration** This course provides a comprehensive examination of the processes of European economic integration and offers a critical analysis of EU policies in their broader political-economic context, while also focusing on the external dimension of Europe in the global economy. The course places special emphasis on the peculiar and often problematic relationship between Great Britain and the EU. Offered only as part of the ILACA London program.

**301 Theories of International Political Economy** This course surveys the theoretical aspects of International Political Economy. The evolution of Liberalism, Mercantilism, and Structuralism is examined in historical context. International trade and finance, the international monetary system, and issues relating to multinational corporations and economic development are explored. *Prerequisite: IPE 201 or PG 103.*

**311 Political Economy of “Third World” Development** This course serves as an introduction to the political economy of the “Third World” and provides an overview of several political, social, and economic problems associated with “Third World” development. International political economy (IPE) represents a multidisciplinary approach which ties together many areas of study and provides a comprehensive framework for the exploration and analysis of international problems and issues. IPE is concerned with the mutual interaction and parallel existence of “state” and “market” in the modern world, and the tension between these two different mechanisms has shaped modern history and forms a crucial issue in the study of both international political economy generally, and issues related to “Third World” development in particular.

**331 The International Political Economy of Food and Hunger** An intensive study of the international political economy of global food production and distribution and their connection to a variety of global hunger problems and issues. An examination of how political, economic, and social conditions contribute to hunger and severe forms of malnutrition. Also examined are global trade, monetary and investment policies, a variety of development and debt relief measures, and the role of agribusinesses in the hunger/food equation. The course ends with a study of differ-

ent policy recommendations and solutions to numerous food production and distribution issues. *Prerequisites: IPE 201 or PG 103.* Offered every other year; offered Spring 2007.

**361 Unraveling Globalization** The conventional wisdom holds that globalization is the defining dynamic of the current era of world history, but how much do we really know about globalization and its consequences? What is globalization? And what is really new about it? This course seeks to develop a critical understanding of global forces and outcomes through examination of the historical roots of globalization and its economic, political, cultural and ideological dimensions. In short, this course takes globalization apart – unravels it – to see what's at its core. *Prerequisite: IPE 201.* Not offered 2006-2007.

**380 Gods, Guns, and Oil in the Middle East** This course examines the efforts of states in the Middle East and North Africa (MENA) to adapt to the international political economy. It examines how states have tried to reshape their political and economic institutions in the face of religious radicalism, armed conflict, and changes in global markets. Attention is paid to relationships that exist between governments, businesses, civil society, and opposition groups. Topics include the relationship of economic reform to democratization, regional integration, and corruption and illicit transactions. *Prerequisites: PG 102.* Not offered 2006-2007.

**382 The Illicit Global Economy** This course examines patterns of illicit activity in the global economy. A political economy approach is used to understand reasons why illicit behavior occurs, how it occurs, and who the relevant actors are. Attention is focused on production and distribution of commodities, especially those that originate in developing countries. Commodities are broadly defined to include drugs, money, guns, people, diamonds, oil, timber, and intellectual property. The course concludes with a discussion of efforts by states and multilateral institutions to combat illicit transnational activity. *Prerequisite: IPE 201.* Offered Spring 2007.

**401 Senior Thesis Seminar** Rigorous examination of topics of current interest in International Political Economy. This course is designed to allow students to participate in focused discussion and thoughtful analysis of a number of topics in IPE while they research and write their senior theses. *Prerequisites: IPE 301, CSOC 316, and ECON 371 (or permission of instructor).*

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## LATIN AMERICAN STUDIES

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Interim Director: Oswaldo Estrada, *Foreign Languages and Literature*

Advisory Committee: Monica DeHart *Comparative Sociology* Pepa Lago Graña, *Foreign Languages and Literature*; John Lear, *History* (on leave 2006-2007); Don Share, *Politics and Government*; Matt Warning, *Economics*; Nila Wiese, *Business and Leadership*; Linda Williams, *Art*

### About the Program

The Latin America Studies Program offers an interdisciplinary approach to the study of Latin America. The United States and the countries of Latin America have historically exerted great influence on each other and today, in the age of hyper-globalization, are more intertwined than ever before. The Program is organized around a required introductory course, Latin American Studies 100, which fulfills the Humanistic Approaches core and requires students to explore the interaction of politics and culture at the national and international levels, and considers the historical legacies of contemporary aspects of Latin American societies. Drawing on courses from Foreign Languages and Literature, Politics and Government, and History, students minoring in

# Latin American Studies

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Latin American Studies gain an in-depth understanding of the region and different analytical tools and perspectives for understanding its past and present. Students are encouraged to gain some experience abroad, particularly through the university's semester abroad programs in Latin America (primarily Mexico, Argentina, and Chile). In addition, the Latin American Studies Program serves to stimulate interest and awareness at the university by sponsoring discussions, presentations, and cultural events dealing with Latin American issues.

## General Requirements for the Minor

General university degree requirements stipulate that 1) three units of the minor be taken in residence at Puget Sound; 2) students earn a GPA of 2.0 in courses taken for the minor; and 3) all courses taken for a minor must be taken for graded credit. Any exceptions to these stipulations are indicated in the minor degree requirements listed below.

## Requirements for the Minor

Completion of a minimum of five units, to include:

- a) LAS 100, Latin American Studies (1 unit)
- b) One course from each of the three following categories (see list below): Literature, Social Sciences, and History (3 units)
- c) One elective course from any of the categories below (1 unit)

Upon approval by the Latin American Studies Program, students may complete up to two (2) of the required units of study for the minor when enrolled in a study abroad program in Latin America or in a Spanish- or Portuguese-speaking country. Students minoring in Latin American Studies must also complete Spanish 102 or its equivalent.

Students may count only one course taken to fulfill requirements in their major or another minor towards the LAS minor.

### Literature

- FL 380, An Archeology of the Boom: Modern Latin American Prose Fiction
- FL 381, Women and Politics in Latin American Literature
- FL 383, Latino Literature: Borders, Bridges, and Fences
- SPAN 250, Hispanic Cultural Studies
- SPAN 311, Literature of the Americas
- SPAN 321, Hispanic Short Story
- SPAN 370, Survey of Twentieth-Century Latin American / Latino Theatre
- SPAN 410, Spanish-American Literature of the Colony and Independence
- SPAN 411, Twentieth-Century Spanish-American Literature Masterpieces
- SPAN 480, Seminar in Hispanic Literature (if Latin American content)

### Social Sciences

- BUS 372, Business in Latin America
- CSOC 310, Identity Politics in Latin America
- PG 322, The Political Economy of Central America and the Caribbean
- PG 325, The Political Economy of South America

### History

- ART 372, The Art of Mexico and Mesoamerica
- HIST 280, Colonial Latin America
- HIST 281, Modern Latin America



HIST 283, The United States and Latin America  
HIST 380, Modern Mexico  
HIST 381, Film and History: Latin America  
HIST 382, Comparative Revolutions in Twentieth-Century Latin America  
HIST 385, Cities, Workers, and Social Movements in Latin America, 1880-1990  
HIST 400D, Research Seminar in Historical Method (Latin America)

### Course Offerings

Unless otherwise specified, each course carries 1 unit of credit and is offered at least once each academic year. Please see “Frequency of Course Offerings” on page 16.

**First-Year Seminars.** See *First-Year Seminars in the Core Curriculum* section of this Bulletin for course descriptions (pages 17 and 29).

#### *Scholarly and Creative Inquiry*

111 Salsa, Samba, and Soccer: Popular Culture in Latin America  
(This course cannot count toward the minor.)

**100 Introduction to Latin American Studies** This course introduces students to the history, literature, and culture of the different Latin American regions. It examines the products of individual and collective experience and creativity in a variety of ways. Using historical and anthropological texts, the course provides a brief overview of historical periods and legacies, and considers how anthropologists have understood the cultures of urban and rural, racial and ethnic existence. In addition, using a series of literary works, students reflect on the cultural and national identity, moral and religious values, and individual experience of Latin Americans as well as the cultural, intellectual, and linguistic influence of these people in the United States. Classes are organized around discussion and occasional presentations by guest speakers. In addition to exams, students write several short evaluations of readings and are involved in several group presentation projects. The course serves as a required introduction to the Latin American Studies minor. Satisfies the Humanistic Approaches core requirement.

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## LEARNING CENTER COURSES

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Offered by the Center for Writing, Learning, and Teaching

**100 Accelerated Reading** 0.25 unit This course is designed to develop flexibility of reading rate to suit the nature of the reader’s task. Class instruction is supplemented by lab work. This course is appropriate for those students who have adequate vocabulary and analytical reading skills but who tend to read all materials at a fixed, slow rate.

**110 International Student Seminar** 0.25 activity unit This course provides an introduction to college life in the United States. Required of all incoming international students. Pass/fail only.

**115 Introduction to the Internet** 0.25 unit This course provides an introduction to the resources of the Internet. Topics include the evolution of the Internet, Web culture, basic Web page construction, and the use of the Internet in research. Pass/fail only.

## MATHEMATICS AND COMPUTER SCIENCE

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Professor: Robert A. Beezer; Martin Jackson, *Chair*; Robert Matthews; David Scott; Bryan A. Smith

Associate Professor: Sigrun Bodine; Bradley Richards

Assistant Professor: Randolph Bentson; Andrew Nierman; Michael Spivey

Visiting Assistant Professor: Jennifer Quinn

Instructor: Charles Hommel; Alison Paradise; Matthew Pickard

Visiting Instructor: Wendy Dove

### About the Department

The Department of Mathematics and Computer Science offers courses in support of students who need a general introduction to these fields and students who need specific tools and techniques in support of their own fields of study.

For students who want to make mathematics their major, the department offers a contract degree in Mathematics in which the student works with a committee of faculty members to design an individualized program. Students interested in actuarial studies, applied mathematics, mathematics education, or preparation for graduate studies in mathematics can design a degree program to reflect the student's interests and goals.

Many of the changes in our society during the past 30 years have come about as a direct result of the application of computers in daily life. Indeed, this new technology has found application not only in business, government, and schools, but also in the home and as recreation. For the student interested in computer science, the department offers a contract major in computer science and a more traditional major in computer science/business. It is important for the undergraduate who chooses to specialize in Computer Science to obtain a solid foundation in a more traditional academic discipline as well. Since the ranks of mathematicians proved to be a rich source of pioneers in computer science, the close liaison with mathematics is a natural one and is the basis for the Bachelor of Science major in Computer Science. For students interested in the application of the computer in business, the Computer Science/Business major provides a strong background in computer science and in business.

Academic computing resources include a network of Pentiums, Power PCs, and UNIX workstations, providing a diverse collection of programming languages, software packages, and software development tools in support of coursework and student research in computer science. Windows and Macintosh laboratories are used for several courses in Mathematics and Computer Science. All computers are on the campus network and have access to the Internet.

Students are introduced to mathematics and computer science via modern pedagogical approaches and have a manifold experience in their courses. They learn subject matter in context, learn some relevant history of the subject, learn to think analytically and logically, and gain experience in both problem solution and in the communication of their solutions to problems. As students move through upper-level courses they develop the ability to critically assess and formulate logical arguments and proofs, and the attitude necessary to cope with the demands of independent inquiry. Students enrolled in mathematics and computer science courses also learn how to formulate and solve problems and to document their solutions; empirically investigate conceptual material in the field and to use those "experiments" to generate conjectures; communicate effectively in both written and oral forms, which are typical of the literature of the mathematical sciences; and search and use the literature of the mathematical sciences.

## General Requirements for the Major or Minor

General university degree requirements stipulate that 1) at least four units of the major or three units of the minor be taken in residence at Puget Sound; 2) students earn a GPA of 2.0 in courses taken for the major or the minor; and 3) all courses taken for a major or minor must be taken for graded credit. Any exceptions to these stipulations are indicated in the major and minor degree requirements listed below.

## The Bachelor of Science in Mathematics

This degree is awarded on the basis of a course of study agreed upon by the student and a committee of faculty members. During the sophomore year or by the first semester of the junior year, a student who intends to major in mathematics should select a faculty member in the Department of Mathematics and Computer Science as an advisor. The student and advisor form a committee which consists of two additional faculty members, at least one of whom must be from the Department of Mathematics and Computer Science. The student works with the committee to select a coherent set of courses which advance the student's educational goals. The contract is signed by the student, all three members of the committee, and Chair of the department, and is filed in the Office of the Registrar. The contract is reviewed periodically and justified modifications are permitted.

## Requirements for the Contract in Mathematics

1. Completion of at least eight but not more than 16 units including support courses, with no more than nine units in mathematics, and no more than 14 units, including support courses, from the Department of Mathematics and Computer Science;
2. Completion of a minimum of five upper-division (300-400 level) units in mathematics or a mathematics substitute class;
3. CSCI 161 or equivalent;
4. Two units of related upper-division (300-400 level) courses chosen to provide depth;
5. One upper-division (300-400 level) unit in a proof-based course.

## Notes

1. Students must maintain a grade point average of at least 2.00 in all contract courses and a grade point average of at least 2.00 in the upper-division (300-400 level) courses in the contract.
2. Students must complete at least four units of the required upper-division (300-400 level) contract courses at Puget Sound. One of these 4 units may be a course taken as part of a study-abroad program, subject to approval in advance by the student's contract committee.
3. Contracts normally include the calculus sequence and linear algebra.
4. Students must gain approval for the contract before initiating upper-division coursework. Courses completed before the contract is approved may not necessarily be included in the contract.
5. A proof-based course satisfies the writing in the major requirement.

## Requirements for the Minor in Mathematics

1. Completion of five units in mathematics, two of which must be numbered 170 or higher.
  - a. One unit of credit taken from Computer Science, numbered 161 or higher, may count toward the minor and, if it is numbered 200 or higher, may count as one of the mathematics courses numbered 170 or higher.
  - b. HON 213 may count toward the 170 level requirement.

- c. PHIL 273 may count toward the minor. It will not count as one of the required mathematics courses numbered 170 or higher.
  - d. Freshman Seminars do not meet the requirements of the minor.
2. Maintain a cumulative grade-point average of 2.0 in the five units.

### The Bachelor of Science in Computer Science

This degree is awarded on the basis of a course of study agreed upon by the student and a committee of faculty members. During the sophomore year or by the first semester of the junior year, a student who intends to major in computer science should select a faculty member in the Department of Mathematics and Computer Science as an advisor. The student and advisor form a committee which consists of two additional faculty members, at least one of whom must be from the Department of Mathematics and Computer Science. The student works with the committee to select a coherent set of courses which advance the student's educational goals. The contract is signed by the student, all three members of the committee, and Chair of the department, and is filed in the Office of the Registrar. The contract is reviewed periodically and justified modifications are permitted.

### Requirements for the Contract in Computer Science

1. Completion of at least eight but not more than 16 units including support courses, with no more than nine units in computer science, and no more than 14 units, including support courses, from the Department of Mathematics and Computer Science;
2. Completion of a minimum of five upper-division (300-400 level) units in computer science or a computer science substitute class;
3. MATH 180 or equivalent;
4. A total of two proof-based or writing courses in computer science.

### Notes

1. Students must maintain a grade point average of at least 2.00 in all contract courses and a grade point average of at least 2.00 in the upper-division (300-400 level) courses in the contract.
2. Students must complete at least four units of the required upper-division (300-400 level) contract courses at Puget Sound. One of these 4 units may be a course taken as part of a study-abroad program, subject to approval in advance by the student's contract committee.
3. Contracts normally include CSCI 161, 261, 281.
4. Students must gain approval for the contract before initiating upper-division coursework. Courses completed before the contract is approved may not necessarily be included in the contract.

### Requirements for the Bachelor of Science in Computer Science / Business

1. BUS 205, 305, 310, 315; 1 unit from 402, 416, 432, 434, or 435;
2. CSCI 161, 250, 261, 281, and 455;
3. ECON 170;
4. MATH 160, either 170 or 180, 210;
5. Maintain a cumulative grade-point average of 2.0 in the required courses in Business and Computer Science.

### Requirements for the Minor in Computer Science

1. Three units to include CSCI 161, 261, and 281;

2. Two units from CSCI 232 (PHYS 232), 250, 310, 315, 325, 335, 340, 361, 370, 381, 425, 431, 455, 471, 475, 481.

**Note:** Although there is no restriction on how old a course can be and still apply to a major or minor, students who plan to use a course that is several years old as a prerequisite for a current course should consult the instructor to determine if they are adequately prepared.

## Course Offerings in Mathematics

Unless otherwise specified, each course carries 1 unit of credit and is offered at least once each academic year. Please see “Frequency of Course Offerings” on page 16.

**Note:** Students must obtain a grade of C- or better in all prerequisite courses.

**First-Year Seminars.** See *First-Year Seminars in the Core Curriculum* section of this Bulletin for course descriptions (pages 17 and 29).

### *Scholarly and Creative Inquiry*

#### 133 The Art and Science of Secret Writing

## Other courses offered by Mathematics and Computer Science department faculty

### HON 213, Mathematical Reasoning: Foundations of Geometry

Satisfies the Mathematical Approaches core requirement.

### STS 350, Computational Intelligence: An Introduction to Cognitive Science

Satisfies the Connections core requirement.

**103 Introduction to Contemporary Mathematics** This course provides an introduction to contemporary mathematics and its applications. It may include topics from management science, statistics, social choice, the geometry of size and shape, and mathematics for computer science. These topics are chosen for their basic mathematical importance and for the critical role their application plays in a person’s economic, political, and personal life. This course is designed to be accessible even to students with a minimal background in mathematics. This course is not designed to prepare students for further work in mathematics; however, it is an ideal course to take to meet the core. No credit will be given for MATH 103 if the student has prior credit for another mathematics course above the level of intermediate algebra. **This course is not intended for freshmen.** *Prerequisite: One year of high school mathematics.* Satisfies the Mathematical Approaches core requirement.

**110 Pre-Calculus** This course presents the basic concepts of algebra and trigonometry needed for future courses in mathematics, science, business, or the behavioral and social sciences. It includes a review of elementary algebra, introduction to algebraic functions, exponential and logarithmic functions, and trigonometric functions. Students who have received credit for MATH 111 may not receive credit for MATH 110. *Prerequisite: Three years of high school mathematics.* Does **not** satisfy the Mathematical Approaches core requirement.

**150 Finite Mathematics** An introduction to the theory of linear systems and discrete probability with applications from business and the physical and social sciences. The study of linear systems includes a discussion of matrix theory and linear programming. The concepts from linear systems and probability are integrated in the study of Markov Chains and Game Theory. The use of graphing calculators and computer software are an integral part of the course. This course is recommended for students wanting to complete a minor in mathematics, and it contains topics

## Mathematics and Computer Science

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of particular interest to students studying business or business-related topics. Students who have received credit for MATH 257 may not receive credit for MATH 150. *Prerequisite: Three years of high school mathematics.* Satisfies the Mathematical Approaches core requirement. Offered Spring term only.

**160 Introduction to Applied Statistics** An introduction to statistics concentrating on statistical concepts and the “why and when” of statistical methodology. The focus of the course is the process of learning to ask appropriate questions, to collect data effectively, to summarize and interpret that information, and to understand the limitations of statistical inference. Statistical software is used in the analysis of data and in statistical inference. Students with Advanced Placement credit for MATH 160 should consider enrolling in MATH 260. Students who have received credit for MATH 271 may not receive credit for MATH 160. *Prerequisite: Three years of high school mathematics.* Satisfies the Mathematical Approaches core requirement.

**170 Calculus for Business, Behavioral, and Social Sciences** This course takes a problem-solving approach to the concepts and techniques of single variable differential calculus, with an introduction to multivariate topics. Applications are selected primarily from business and the behavioral and social sciences. Students will not receive credit for MATH 170 if they have already taken MATH 181 and/or MATH 280, without prior permission of the department. This course is not intended for mathematics majors, but is a recommended course for students going on to graduate school in business, some social sciences, or desiring more quantitative courses in their studies. Students who have received credit for MATH 258 may not receive credit for MATH 170. *Prerequisite: Three years of high school mathematics.* Satisfies the Mathematical Approaches core requirement. Offered Spring term only.

**180 Calculus and Analytic Geometry I** There are two main topics in the calculus for functions of one variable: differentiation and integration. This course focuses on differentiation starting with limits and continuity, then introduces the derivative, and applications of the derivative in a variety of contexts. The course concludes with an introduction to integration. The central ideas are explored from the symbolic, graphic, numeric, and physical model points of view. Use is made of graphing calculators. Students who have received credit for MATH 121 may not receive credit for MATH 180. *Prerequisite: MATH 110, or its equivalent.* Satisfies the Mathematical Approaches core requirement.

**181 Calculus and Analytic Geometry II** This course is a continuation of MATH 180. It focuses on integration and its relation to differentiation. Topics include definite integrals, antiderivatives, the Fundamental Theorems of Calculus, applications of integration, sequences, and series. The central ideas are explored from the symbolic, graphic, numeric, and physical model points of view. Use is made of graphing calculators. Students who have received credit for MATH 122 may not receive credit for MATH 181. *Prerequisite: MATH 180 or its equivalent.* Satisfies the Mathematical Approaches core requirement.

**181PH Calculus and Analytic Geometry II (integrated with General University Physics)** This course is a continuation of MATH 180. MATH 181 focuses on integration and its relationship to differentiation. Topics include vector-output functions, parametrized curves, definite and indefinite integrals, the Fundamental Theorems of Calculus, differential equations, applications of the integral (especially but not exclusively in physics), line integrals, function approximations, sequences and series. Throughout the course ideas are explored from the symbolic, graphic, numerical, and physical model points of view. A graphing calculator is used. This is the math-

ematics portion of an integrated class and must be taken with PHYS 121MA. Students who have received credit for MATH 122 may not receive credit for MATH 181. *Prerequisite: MATH 180 or its equivalent.* Satisfies the Mathematical Approaches core requirement.

**210 Introduction to Mathematics of Computer Science** An introduction to the mathematics underlying computer science. Topics include a review of basic set theory, logic (propositional and predicate), theorem proving techniques, logic as a method for representing information, equivalence relations, induction, combinatorics, graph theory, formal languages, and automata. *Prerequisites: CSCI 161 and one of the following: MATH 170, MATH 180, or equivalent.* Offered Fall term only.

**260 Intermediate Applied Statistics** The course uses cases to understand statistical methods as collection, assessment, and reporting of evidence regarding questions posed by scientists, researchers, lawyers, engineers, and managers. The course also exposes the students to many of the more advanced statistical methods. Students who have received credit for MATH 272 may not receive credit for MATH 260. *Prerequisite: MATH 160, PYSC 201, Advanced Placement statistics, or equivalent.* Satisfies the Mathematical Approaches core requirement.

**280 Multivariate Calculus** This course, a continuation of the calculus sequence that starts with MATH 180 and 181, is an introduction to the study of functions that have several variable inputs and/or outputs. The central ideas involving these functions are explored from the symbolic, the graphic, and the numeric points of view. Visualization and approximation, as well as local linearity continue as key themes in the course. Topics include vectors and the basic analytic geometry of three-space; the differential calculus of scalar-input, vector-output functions; the geometry of curves and surfaces; and the differential and integral calculus of vector-input, scalar-output functions. Computer software and graphing calculators are used to increase the range of problems which students can analyze. Students who have received credit for MATH 221 may not receive credit for MATH 280. *Prerequisite: MATH 181 or its equivalent.* Satisfies the Mathematical Approaches core requirement.

**280PH Multivariate Calculus (integrated with General University Physics)** This course is a continuation of MATH 181PH. The study of vector-output functions is extended to functions that have vector inputs and either scalar or vector outputs. The central ideas involving these functions are explored from the symbolic, graphic, numeric, and physical model points of view. The themes of visualization, approximation, and local linearity from one variable calculus continue to be paramount. Topics include the basic analytic geometry of three-space; the differential calculus of vector-input functions that have scalar or vector outputs; vector fields; optimization; line and surface integrals; and the Fundamental Theorems of calculus for multivariable functions. Students use computer software and graphing calculators to increase the range of problems they can analyze. This is the mathematics portion of an integrated class and must be taken with PHYS 122MA. Students who have received credit for MATH 221 may not receive credit for MATH 280. *Prerequisites: MATH 181 or its equivalent and PHYS 121 or its equivalent.* Satisfies the Mathematical Approaches core requirement.

**290 Linear Algebra** This course is a study of the basic concepts of linear algebra, and includes an emphasis on developing techniques for proving theorems. The students will explore systems of linear equations, matrices, vector spaces, bases, dimension, linear transformations, determinants, eigenvalues, change of basis, and matrix representations of linear transformations. Students will have the opportunity to use calculators or computer software to explore computationally inten-

## Mathematics and Computer Science

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sive problems. Students who have received credit for MATH 232 may not receive credit for MATH 290. *Prerequisite: Math 181.* Satisfies the Mathematical Approaches core requirement. Also satisfies the Writing in the Discipline requirement.

**295 Problem Seminar** No credit In this class students and faculty discuss problems that cut across the boundaries of the standard courses and investigate general strategies of problem solving. Students are encouraged to participate in a national mathematics competition. This class meets one hour a week, is graded only on a pass/fail basis, is a 0 credit course, and may be repeated. *Prerequisite: Permission of instructor.*

**296 Problem Seminar in Mathematical Modeling** No credit In this class students are given examples of problems from an annual international mathematical modeling contest. The students, in groups and with faculty mentoring, develop approaches to the problems. The students and faculty also discuss winning solutions to the problems. The students are expected to participate in the contest and give a presentation of their solution. The course meets once per week, is graded on a pass/fail basis, is a 0 credit course, and can be repeated. *Prerequisites: MATH 280 and 290 or permission of the instructor.*

**300 Geometry** The course presents a rigorous treatment of the foundations of Euclidean geometry and an introduction to non-Euclidean geometry. The course emphasizes the axiomatic method and students are expected to do proofs. Students are introduced to the history of the discovery of non-Euclidean geometry. This course is especially recommended for prospective mathematics teachers. Satisfies the proof-based requirement in major contracts. Credit for MATH 300 will not be granted to students who have completed HON 213. *Prerequisite: MATH 181.* Offered Spring term only.

**301 Differential Equations** Ordinary differential equations (ODEs) are first introduced in the calculus sequence. This course provides a deeper look at the theory of ODEs and the use of ODEs in modeling real-world phenomena. The course includes studies of first order ODEs (both linear and nonlinear), second and higher order linear ODEs, and first order systems of ODEs (both linear and nonlinear). Existence and uniqueness of solutions is discussed in each setting. Most topics are viewed from a variety of perspectives including graphical, numerical, and symbolic. Tools and concepts from linear algebra are used throughout the course. Other topics that may be covered include series solutions, difference equations, and dynamical systems. *Prerequisites: MATH 280 and 290 or permission of the instructor.*

**302 Partial Differential Equations** This course introduces partial differential equations, how they arise in certain physical situations, and methods of solving them. Topics of study include the heat equation, the wave equation, Laplace's Equation, and Fourier Series with its applications to partial differential equations and boundary value problems. Additional topics may include Green's Functions, the Fourier Transform, the method of characteristics, dispersive waves, and perturbation methods. *Prerequisite: MATH 301 or equivalent.* Offered Fall term only.

**310 Numerical Analysis** Students learn about numerical solutions to linear systems; numerical linear algebra; polynomial approximations (interpolation and quadrature); numerical differentiation and integration. Students also learn about error analysis and how to select appropriate algorithms for specific problems. Crosslisted as CSCI 310. *Prerequisites: MATH 280, 290, and CSCI 161 or equivalent.* Offered every other year; offered Spring 2007.



**321 / 322 Advanced Calculus I, II** This course is an introduction to advanced analysis. Topics of study include set theory, the topology of Euclidean spaces, functions, continuity, differentiability of functions and mappings, integration, series, uniform convergence, transformation of multiple integrals, differential geometry of curves and surfaces, and vector calculus. Satisfies the proof-based requirement in major contracts. *Prerequisites: MATH 280 and 290 or equivalents, MATH 321 or 322.* MATH 321 offered Fall term only; MATH 322 offered Spring term only.

**335 Optimization** An introduction to the principal areas of optimization - linear programming, mathematical optimization, and combinatorial optimization. Crosslisted as CSCI 335. *Prerequisites: MATH 280, 290, CSCI 161.* Offered every other Spring; not offered 2006-2007.

**338 Combinatorics** The study of the basic principles of combinatorial analysis. Topics include combinations, permutations, inclusion-exclusion, recurrence relations, generating functions, and graph theory. Additional material is chosen from among the following topics: Latin squares, Hadamard matrices, designs, coding theory, and combinatorial optimization. Satisfies the proof-based requirement in major contracts. *Prerequisite: MATH 290.* Offered every three years; next offered Spring 2008.

**352 Complex Analysis** The calculus of functions with complex numbers as inputs and outputs has surprising depth and richness. The basic theory of these functions is developed in this course. The standard topics of calculus (function, limit, continuity, derivative, integral, series) are explored in this new context of complex numbers leading to some powerful and beautiful results. Applications include using conformal mappings to solve boundary-value problems for Laplace's equation. Satisfies the proof-based requirement in major contracts. *Prerequisites: MATH 280 and 290 or permission of the instructor.* Offered Spring semester.

**373 Linear Statistical Models** Using time series and multiple regression as unifying themes, the student will learn the theoretical foundations of time series and regression, many real-world applications, as well as the underlying algorithms and their limitations. The student will learn to evaluate the appropriateness of different models. *Prerequisites: MATH 160 and 180; or MATH 260; or MATH 375; or permission of the instructor.* Offered every three years; not offered 2006-2007.

**375 Probability Theory and its Applications** This course provides an introduction to the standard topics of probability theory, including probability spaces, random variables and expectations, discrete and continuous distributions, generating functions, independence and dependence, special probability models, sampling distributions, laws of large numbers, and the central limit theorem. The computer is used as a tool to enhance one's understanding of randomness and the above mentioned concepts through simulation, and to solve difficult analytical problems numerically. An emphasis on modeling real-world phenomena is always present. Satisfies the proof-based requirement in major contracts. *Prerequisite: MATH 280, 290, or permission of the instructor.* Offered Fall semester.

**376 Mathematical Statistics** This course provides an introduction to statistical concepts for students with a background in probability theory. Building on this background in probability, the course develops statistical theory based on likelihood functions and other standard topics in estimation and testing. Through the analysis of real data, the application of basic statistical concepts is introduced and some familiarity with statistical software is developed. At the conclusion of the course the student should be familiar with the "why, when, and how" of statistical analysis and with basic statistical theory. Satisfies the proof-based requirement in major contracts. *Prerequisite: MATH 375 or equivalent.* Offered Spring semester.

## Mathematics and Computer Science

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**420 Advanced Topics in Mathematics** The topics are chosen each time the course is offered to meet the interests of students and instructors. Possible topics include partial differential equations, differential geometry, topology, statistics, number theory, nonlinear dynamics, and applied mathematics. May be repeated for credit. *Prerequisite: Permission of instructor.* Offered at least every three years; offered Spring 2007.

**433 / 434 Abstract Algebra I, II** This course presents a rigorous treatment of modern algebra. The writing of proofs is emphasized. Modern applications of abstract algebra to problems in chemistry, art, and computer science show that this is a contemporary field in which important contributions are currently being made. Topics include groups, rings, integral domains, field theory, and the study of homomorphisms. Applications such as coding theory, public-key cryptography, crystallographic groups, and frieze groups may be covered. These are proof-based courses. Satisfies the proof-based requirement in major contracts. *Prerequisite: MATH 290 or permission of the instructor.* MATH 433 offered Fall term only; MATH 434 offered Spring term only.

**471 Mathematical Modeling** A study of the process of mathematical modeling as well as specific deterministic (both discrete and continuous) and stochastic models. Certain mathematical topics such as graph theory are developed as needed. Crosslisted as CSCI 471. *Prerequisite: MATH 375 or permission of the instructor.* Offered every other Spring term; offered Spring 2007.

**491 / 492 Senior Thesis** Credit, variable up to one unit. A senior thesis allows students to explore areas of mathematics that are new to them, to develop the skill of working independently on a project, and to synthesize and present a substantive work to the academic community. Thesis proposals are normally developed in consultation with the student's research committee. This committee consists of the student's faculty supervisor and two other faculty members. It is involved in the final evaluation of the project. The results are presented in a public seminar or written in a publishable form. *Prerequisites: Completion of at least 4 upper-division (300-400 level) courses by the end of the junior year, or completion of the major by the end of the fall term of the senior year. The student should have a grade point average of at least 3.5 in all major courses numbered 300 or above.*

**495 / 496 Independent Study** Credit variable up to 1 unit. Students wishing to study an academic area not covered by existing courses in the curriculum may take an independent study. Students should obtain a copy of the *Independent Study Policy* from the Office of the Registrar. *Prerequisites: Junior or senior class standing and cumulative grade-point average of 3.0.*

## Course Offerings in Computer Science

**Note:** Students must obtain a grade of C- or better in all prerequisite courses.

**158 Data Analysis, Management, and Presentation** This course is an introduction to the use of desktop computers as tools for data analysis, data management, and data presentation. Applications software, including spreadsheets, database management, and presentation software, is used to solve problems in business and other fields. The software is also used to publish data on the Web. Students planning to take further courses in computer science should register for CSCI 161. CSCI 158 cannot be used as a prerequisite course for CSCI 250 or CSCI 261. *Prerequisites: Two years of high school algebra, MATH 110, or equivalent.*

**161 Introduction to Computer Science** This course is an introduction to computer science and programming. The programming language Java is used to illustrate concepts in computer science. The course emphasizes the use of the computer as a problem solving tool and the develop-

ment of good programming style. CSCI 161 is the introductory course for students planning to major or minor in computer science. Students planning on taking further courses in computer science should select this course instead of CSCI 158. *Prerequisite: Three years of high school mathematics, MATH 110, or equivalent.* Satisfies the Mathematical Approaches core requirement.

**232 Digital Electronics and Computer Hardware** This course offers each student practical, hands-on experience with modern integrated circuits including a representative microprocessor. Emphasis is placed upon interfacing the microprocessor with external hardware for data acquisition and process control. It serves all students who need familiarity with digital instrumentation or who need an understanding of the specific electronic devices that comprise a computer system. Crosslisted as PHYS 232. *Prerequisite: Permission of the instructor.* Not offered 2006-2007.

**250 Electronic Commerce** An introduction to the technological issues in electronic commerce. Topics include networks, the Internet and World Wide Web, Web page design, Web page programming, transaction processing, HTTP, network and e-commerce security, electronic payment systems. Students build an online commerce site using client-side and server-side programming. *Prerequisite: CSCI 161, CSCI 261.* Offered Fall term only.

**261 Computer Science II** This course is a continuation of the topics introduced in CSCI 161. It provides an introduction to the study of fundamental data structures and their associated algorithms. Students learn how to choose appropriate data structures and algorithms for particular problems. They learn about lists, stacks, queues, trees, sorting, searching, abstract data types, and object-oriented programming using an object-oriented programming language. *Prerequisites: CSCI 161 together with MATH 170 or 180; or permission of the instructor.* Satisfies the Mathematical Approaches core requirement.

**281 Assembly Language and Computer Architecture** Introduction to machine organization, machine structure, data representation, digital logic, and assembly language programming on a RISC based architecture. *Prerequisite: CSCI 261.*

**295 Problem Seminar** No credit Consideration of a diverse range of problems in computer science from problems in the design of correct and efficient algorithms and the implementation of data structures through problems in the theory of computation. *Prerequisites CSCI 261 or permission of the instructor.*

**310 Numerical Analysis** Students learn about numerical solutions to linear systems; numerical linear algebra; polynomial approximations (interpolation and quadrature); numerical differentiation and integration. Students also learn about error analysis and how to select appropriate algorithms for specific problems. Crosslisted as MATH 310. *Prerequisites: MATH 280, 290, and CSCI 161 or equivalent.* Offered every other year; offered Spring 2007.

**315 Computer Graphics** This course is an introduction to the process of generating images with a computer. The emphasis is on the design and use of graphical facilities for two- and three-dimensional graphics. Students study the mathematical theory underlying computer generated graphics, and will implement programs utilizing these techniques. The mathematical topics covered include rotations, translations, and perspective. The core pieces of the graphics pipeline used in current graphics hardware are studied. *Prerequisite: CSCI 261.* Offered Fall term only.

**325 Network Programming** This course is an introduction to computer networks. Topics to be covered include the Java programming language, TCP/IP, the implementation of common

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network programs such as Mail, FTP, Web Browsers and Servers, and client/server programs. Students write programs in Java or C++. *Prerequisites: CSCI 261 and one Computer Science course beyond CSCI 261, or permission of instructor.* Offered Fall term only.

**335 Optimization** An introduction to the principal areas of optimization - linear programming, mathematical optimization, and combinatorial optimization. Crosslisted as MATH 335. *Prerequisites: MATH 280, 290, CSCI 161.* Offered every other Spring; not offered 2006-2007.

**340 Software Engineering** Students study the design and implementation of large software systems. Topics include design methodologies, programming team organization and management, program verification and maintenance, human engineering, and CASE tools. *Prerequisites: one of CSCI 281, CSCI 361, or CSCI 455 with a grade of C- or better.* Satisfies a writing requirement in major contracts. Offered Fall term only.

**361 Algorithms and Data Structures** This is a course in advanced data structures, the algorithms needed to manipulate these data structures, proofs that the algorithms are correct, and a runtime analysis of the algorithms. Students study advanced data structures such as Red-Black Trees, 2-3 Trees, Heaps, and Graphs. Students also study algorithm design techniques including Greedy Algorithms, Divide and Conquer, Dynamic Programming, and Backtracking. They also learn about NP-Complete problems. Satisfies a writing requirement in major contracts. *Prerequisites: CSCI 261, CSCI 281 (may be taken concurrently), and either MATH 210 or MATH 290 (MATH 290 may be taken concurrently).* Offered Spring term only.

**370 Theory of Computation** An introduction to formal models of computers and computation. Topics include formal languages and automata theory, computability, decidability, and Church's Thesis. Satisfies the proof-based requirement in major contracts. *Prerequisites: CSCI 361 and either MATH 210 or 290.* Offered every other Fall; offered Fall 2007.

**381 Computer Systems and Architecture Design** The study of the functionality and implementation of computing machines. Topics include central processor design, memory hierarchies, and parallel architectures. The class explores the motivations behind the fundamental concepts as well as analyzes their particular implementation in existing machines. *Prerequisite: CSCI 281.* Offered every other Spring; not offered 2006-2007.

**425 Advanced Topics in Computer Science** The topics are chosen each time the course is offered to meet the interests of students and instructors. Possible topics include computer architecture, computer modeling and simulation, networks, advanced graphics, and advanced artificial intelligence. *Prerequisites: CSCI 361 and permission of the instructor.* Not offered 2006-2007.

**431 Introduction to Artificial Intelligence** This course introduces the student to the techniques of artificial intelligence using LISP or Prolog. The student is introduced to the basic techniques of uninformed and informed (heuristic) search, alpha-beta pruning in game trees, production systems, expert systems, neural networks, and to techniques of knowledge representation and problem-solving. Additional topics may include computer models of mathematical reasoning, natural language understanding, machine learning, and philosophical implications. *Prerequisite: CSCI 361 (may be taken concurrently) or permission of instructor.* Offered every other Fall; offered Fall 2006.

**455 Introduction to Database Management Systems** The design and implementation of database management systems with emphasis on the relational and object-oriented models for data.

Topics include data models, design methods and tools for design, SQL, database tools, and implementation issues, and include substantial work with a commercial main-frame relational database management system and associated tools. Satisfies a writing requirement in major contracts.

*Prerequisites:* CSCI 261, and either MATH 210 or 290. Offered Spring term only.

**460 / 461 / 462 Senior Project** 0.5 or 1 unit A practical computer software development experience to incorporate topics learned in advanced computer science courses with the tools and techniques for software development studied in the software engineering class. Students may enroll in either the one-semester, one-unit 460 or the two-semester 0.5 unit per semester, sequence, but not both. Satisfies a writing requirement in major contracts. *Prerequisites:* CSCI 340, with at least one upper-division computer science course in an area related to the project.

**471 Mathematical Modeling** A study of the process of mathematical modeling as well as specific deterministic (both discrete and continuous) and stochastic models. Certain mathematical topics such as graph theory are developed as needed. Crosslisted as MATH 471. *Prerequisite:* MATH 375 or permission of the instructor. Offered every other Spring term; offered Spring 2007.

**475 Operating Systems** Study of the fundamental principles of modern operating systems. Topics include input/output, concurrent processing, memory management, file systems, security, threads, and distributed systems. Students study abstract models as well as actual examples of operating systems such as Windows NT and Linux. *Prerequisite:* CSCI 281. Offered every other Spring term; offered Spring 2007.

**481 Compilers and Compiler Writing** The study of formal languages and automata theory and their application to the process of translating a source program written in a high-level computer language (source language) to an intermediate language. The study of the process and techniques of taking an intermediate language and employing syntax-directed translation together with optimization to produce an efficient, low-level language program equivalent to the source program. This course is based in part on the course “PL: Programming Languages” as described in the ACM (Association for Computing Machinery) 1991 course recommendations. It gives a formal presentation of programming language translation and compiler writing. The emphasis is on both the theoretical and some of the practical problems posed in implementing a compiler. *Prerequisites:* CSCI 281 and MATH 210 or CSCI 370 (CSCI 370 may be taken concurrently). Offered every other Spring term; not offered 2006-2007.

**491 / 492 Senior Thesis** Credit, variable up to one unit A senior thesis allows students to explore areas of computer science that are new to them, to develop the skill of working independently on a project, and to synthesize and present a substantial work to the academic community. Thesis proposals are normally developed in consultation with the student’s research committee. This committee consists of the student’s faculty supervisor and two other faculty members. It is involved in the final evaluation of the project. The results are presented in a public seminar or written in a publishable form. *Prerequisites:* Completion of at least 4 upper-division courses by the end of the junior year, or completion of the major by the end of the fall term of the senior year. The student should have a grade point average of at least 3.5 in all major courses numbered 300 or above.

**495 / 496 Independent Study** Credit, variable up to 1 unit Students wishing to study an academic area not covered by existing courses in the curriculum may take an independent study. Students should obtain a copy of the *Independent Study Policy* from the Office of the Registrar. *Prerequisites:* Junior or senior class standing and cumulative grade-point average of 3.0.

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## MUSIC

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Professor: Geoffrey Block; Duane Hulbert (on leave Spring 2007); Patti Krueger; Tanya Stambuk; Keith Ward, *Director*

Associate Professor: Robert Hutchinson; Jerry Yonkman

Assistant Professor: Christopher McKim; Maria Sampen; Robert Taylor

Visiting Assistant Professor: Gwynne Brown

Northwest Artist in Residence: Cordelia Wikarski-Miedel

Affiliate Artist Faculty: Joseph Adam; James Bowyer; Rodger Burnett; Christophe Chagnard; Timothy Christie; Michael Delos; Karla Epperson; Karla Flygare; Tom Goleeke (professor emeritus); Christina Kowalski; Jennifer Nelson; Sydney Potter; Amy Putnam; Paul Rafanelli; Joyce Ramee; Douglas Rice; Stephen Schermer; Ryan Schultz; Judson Jay Scott; Kathryn Weld; Dan Williams; Mark Williams; Fred Winkler; Pat Wooster

### About the School

The School of Music at the University of Puget Sound serves a diverse population, offering course and performance opportunities for more than 500 students each term while providing a rich curriculum for approximately 120 majors and 45 minors. It is recognized nationally for its unique position in offering the breadth of a liberal arts curriculum while maintaining the highest musical standards for those who choose to major in music performance, music education, or music with elective studies in business.

The School of Music offers courses leading to the Bachelor of Music and Bachelor of Arts degrees, and it offers concentrated study through a music minor. Courses for general university students suitable to their background and interest are offered to fulfill certain university core requirements and to serve as electives.

The School of Music is an accredited institutional member of the National Association of Schools of Music (NASM), the accrediting agency, as designated by the United States Department of Education, responsible for the accreditation of music curricula in higher education. In the field of teacher education, NASM cooperates with the National Council for Accreditation of Teacher Education (NCATE). NASM is also a constituent member of the American Council of Education. Baccalaureate programs accredited are the professional degrees in performance, music education, elective studies in music business, and the bachelor of arts degree with a major in music.

In addition the School of Music offers university students cultural and intellectual enrichment through music classes and performance study, and contributes to an active and creative cultural climate on campus. More specifically, these goals include measurable skills and understandings developed in courses such as Music Theory, Music History and Literature, Music Education, Music Business, and Performance.

The Bachelor of Music, the initial professional degree in music, is offered in Performance (piano, voice, organ, and all orchestral instruments), Music Education, and Music Business. Through this degree students develop the knowledge, understanding, concepts, sensitivity, and competence on a performing instrument that are essential to life as a professional musician.

The Bachelor of Arts with a major in Music is the traditional liberal arts degree. Students attain a greater understanding of music through broad, flexible coverage of cultural, historical, analytical, and creative issues in the field. Students become familiar with the historical develop-

ment of a particular musical tradition and learn methods of analysis for critical interpretation of music. They also develop abilities in music performance through studio lessons and participation in performing ensembles. They may construct programs of study that provide a background for the pursuit of graduate study in music theory, music history and musicology, composition, music librarianship, or other music-related fields. Students who wish to emphasize one of these areas in their studies should consult their advisor early in the sophomore year.

An audition on a major instrument or voice is required of all incoming students who wish to major in music or who wish to be considered for music scholarships. A student need not be a music major to be awarded a music scholarship. Audition dates and times should be arranged through the Music Admission office.

The School of Music plays an important role in contributing to the cultural climate of the campus and surrounding community through frequent concerts, master classes, festivals, and recitals. Students may participate in a wide variety of performing groups. Certain groups require an audition, while others do not. The performing groups are listed under Course Offerings.

## Applied Music

A four-year course of applied music through individual lessons is offered to students in keyboard, orchestral and band instruments, voice, and classical guitar. The choice of materials is left to the discretion of the instructors. Students accepted to the Performance Major take courses 161 through 462; all others take courses 111 through 412. Applied Music is not available for audit and may not be taken pass/fail.

Lessons which fall on official university holidays cannot be made up. There are no make-up lessons for absences, unless absence is due to illness. *Students register for lessons through the School of Music office, prior to university registration.*

## Applied Music Fees

Thirty-minute lesson, \$95

Sixty-minute lesson, \$190

## Class Lessons

Class lessons are available in piano, guitar, and voice for students who wish to elect this form of applied music instruction or who, in the opinion of the appropriate applied music chair, find the experience necessary to qualify for private instruction.

## General Requirements for the Major or Minor

General university degree requirements stipulate that 1) at least four units of the major or three units of the minor be taken in residence at Puget Sound; 2) students earn a GPA of 2.0 in courses taken for the major or the minor; and 3) all courses taken for a major or minor must be taken for graded credit. Any exceptions to these stipulations are indicated in the major and minor degree requirements listed below.

## Requirements for the Major

1. Entrance audition to demonstrate appropriate background and potential for formal acceptance into the School of Music.
2. Completion of 32 units for the Bachelor of Arts or Bachelor of Music degree; in the Bachelor of Arts program, students must fulfill the Fine Arts or the Fine Arts Approaches core requirements with a course outside of Music.
3. Music majors must attain, maintain membership in, attend, and be registered for the appropriate major university ensemble (band, orchestra, or choir) during all semesters in which

they are enrolled. Music majors electing a wind or percussion instrument as their principal performing medium are required to participate in the Wind Ensemble or the University Band, as assigned; string instruments in the University Symphony Orchestra; voice students in the Adelphian Concert Choir, the University Chorale, or the Dorian Singers, as assigned; keyboard and guitar students in any of the above ensembles. Students may elect to perform in additional ensembles if they desire and are qualified.

4. Each major must pass the Keyboard Musicianship Examination, preferably during the sophomore year. Typically, this requirement is completed in the two-year music theory sequence. Details of the examination are available in the School of Music Office.
5. With the exception of the semester in which Music Business majors are registered for an internship, music majors are required to be registered for applied music every semester.
6. Recital requirements for Bachelor of Music candidates majoring in Performance are a minimum of one-half of a formal evening recital or three noon recital appearances in the principal performing medium in the junior year and a full recital demonstrating a high level of musicianship in performance in the principal performing medium in the senior year. Other majors must perform in one noon recital during both their junior and senior years.
7. To advance to the junior year, a student must have an interview with an academic advisor, a 2.3 overall grade-point average and 2.5 music grade-point average and an audition or jury in the student's major performance area. Students who are in majors that require a final field experience will have a second interview with an advisor and a second review of academic performance (a minimum of 2.3 overall grade-point average and 2.5 music grade-point-average). A recommendation to continue in the Bachelor of Music in Performance degrees is based on an assessment by the faculty of a student's progress in music theory, music history, ensembles, and applied music.
8. All transfer students are required to take placement examinations in Music Theory and Music History prior to registration; Music Education transfer students are required to complete MUS 393 or an equivalent one-semester, in-school teaching experience.
9. Each semester in residence all music majors register for Recital Attendance (109/309), a non-credit course. All music majors are expected to fulfill the Recital Attendance Requirement by attending a prescribed number of concerts and recitals.

**Note:** Music majors and minors must receive a grade of C- or better in all courses required by the School of Music. A course in which the student receives less than a C- will not satisfy the graduation requirements of the School of Music. Music Education majors must receive a grade of C or better in all required courses to fulfill Washington State teacher certification requirements. Courses more than 10 years old may not be included in a major or minor offered by the School of Music.

## Bachelor of Music in Performance

### Keyboard Emphasis (Piano, Organ)

1. Four units Theory: MUS 101/103, 102/104, 201/203, 202/204;
2. Four units Music History to include MUS 230, 231, 333, and 493;
3. One-half unit Conducting: MUS 291 or 293;
4. Seven units Applied Music: 6 units of MUS 161 through 462 (major instrument), MUS 353 (Pedagogy and Literature, to be taken by pianists) or MUS 357 (Performance Practice and Literature for Organ, to be taken by organists), MUS 168 or 368 (Chamber Music) may be repeated for elective credit, and MUS 422 (Junior-Senior Recital);
5. One and one-half units to be chosen from MUS 168/368 (.5 unit maximum), 220, 221, 222,



- 291, 292, 293, 294, 301, 335, 337, 341, 393, 394, 401, 402, 493, 494; a maximum of .5 unit in applied lessons in a secondary instrument (requires approval of the music faculty advisor);
6. Participation in a performing group each term as specified under Requirements for the Major;
  7. Recital attendance.

## Voice Emphasis

1. Four units Theory: MUS 101/103, 102/104, 201/203, 202/204;
2. Four units Music History to include MUS 230, 231, 333, and 493;
3. One-half unit Conducting: MUS 293;
4. Seven and one-half units Applied Music: 6 units of MUS 161 through 462 (major instrument); MUS 235 and 236 (Diction), MUS 356 (Pedagogy and Literature), and MUS 422 (Junior-Senior Recital);
5. One unit to be chosen from MUS 168/368 (.5 unit maximum), 220, 221, 222, 291, 292, 294, 301, 335, 337, 341, 393, 394, 401, 402, 493, 494; a maximum of .5 unit in applied lessons in a secondary instrument (requires approval of the music faculty advisor);
6. Participation in a performing group each term as specified under Requirements for the Major;
7. Recital attendance;
8. Two units of a Foreign Language.

## Orchestral Instrument Emphasis

1. Four units Theory: MUS 101/103, 102/104, 201/203, 202/204;
2. Four units History: MUS 230, 231, 333, and 493;
3. One-half unit Conducting: MUS 291;
4. Seven units Applied Music: 6 units of MUS 161 through 462 (major instrument); 1 unit of MUS 168 and/or 368 (Chamber Music); MUS 422 (Junior-Senior Recital);
5. One and one-half units to be chosen from MUS 168/368 (.5 unit maximum), 220, 221, 222, 292, 293, 294, 301, 335, 337, 341, 393, 394, 401, 402, 493, 494; a maximum of .5 unit in applied lessons in a secondary instrument (requires approval of the music faculty advisor);
6. Participation in a performing group each term as specified under Requirements for the Major;
7. Recital attendance.

## Bachelor of Music in Music Education

### Music Education

Graduates will be able to achieve Washington state teacher certification by completing the Master of Arts in Teaching degree. (The MAT program is described in the Education section of this *Bulletin*.) Within a five-year program, students are thus able to earn both a Bachelor of Music in Music Education and a Master of Arts in Teaching. The Bachelor of Music in Music Education is a prerequisite in the Master of Arts in Teaching degree. Application to the MAT will take place in the senior year. Details are available from the School of Education.

An endorsement in music requires completion of the major. Licensed, practicing teachers who wish to apply for completion of music certification, which includes completion of all music education major courses, should send a letter of application outlining previous certification, experience and goals; all transcripts; and a copy of their Washington teaching license. All unlicensed teacher applicants will be expected to complete the music education major and the fifth-year MAT program for teacher certification.

### Instrumental and General Emphasis

1. Four units Music Theory to include 101/103, 102/104, 201/203, and 202/204;
2. Four units Music History to include 230, 231, 333, and 493;

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3. Five and one-half units Music Education to include MUS 291, 292, 294, 295, 296, 297, 298, 393, 394, 395, 396, 397, and 398;
4. Two units Applied Music 111 through 412 on major instrument (Strings, Winds, or Percussion);
5. One-half unit music electives (may include activity units; 222 is strongly recommended; a maximum of .5 unit in applied lessons in a secondary instrument (requires approval of the music faculty advisor);
6. Participation in a performing group each term as specified under Requirements for the Major;
7. Recital attendance;
8. EDUC 411, 412, 413 recommended as electives.

### Choral and General Emphasis

1. Four units Music Theory to include 101/103, 102/104, 201/203, and 202/204;
2. Four units Music History to include 230, 231, 333, and 493;
3. Six units Music Education to include MUS 205, 206, 292, 293, 294, 295, 296, 297, 298, 356, 393, 394, 397, and 398;
4. Two units Applied Music 111 through 412 (Voice or Piano);
5. Participation in a performing group each term as specified under Requirements for the Major;
6. Recital attendance;
7. EDUC 419, 420 recommended as electives.

Keyboard or other instrumental majors enrolled in the music education choral/general degree program require four semesters of applied voice (which may include up to two semesters of class voice).

A student who desires a comprehensive program (demonstrated experience in both vocal and instrumental music) must complete an application process during the first semester of the sophomore year. If the student is accepted, a program will be designed to fulfill the instrumental, choral, and general degree requirements. The comprehensive music education major requires four semesters of applied voice, which may include two semesters of class voice.

### Bachelor of Music with Elective Studies in Business

1. Four units Theory: MUS 101/103, 102/104, 201/203, 202/204;
2. Four units Music History to include: MUS 230, 231, 333, and 493;
3. One-half unit Conducting: MUS 291 or 293;
4. Two units Music Business: MUS 341 and 497;
5. Four units Business and Computer Science: BUS 205, 305, 310, and CSCI 158; ECON 170 is a prerequisite for BUS 310; MATH 160 is recommended but not required.
6. Two units Applied Music: MUS 111 through 412 (major instrument);
7. One-half unit to be chosen from MUS 161-462 (by permission of instructor), 168/368 (.5 units maximum), 220, 221, 222, 291 or 292, 293 or 294, 301, 335, 337, 393, 394, 401, 493, 494; a maximum of .5 unit in applied lessons in a secondary instrument (requires approval of the music faculty advisor);
8. Participation in a performing group each term as specified under Requirements for the Major;
9. Recital attendance.

### Bachelor of Arts with a Major in Music

1. Four units Music Theory to include MUS 101/103, 102/104, 201/203, 202/204;
2. Four units Music History to include MUS 230, 231, 333, 493;

3. Two units Applied Music (major instrument) to include MUS 111 through 412;
4. Participation in a performing group each term as specified under Requirements for the Major;
5. Recital Attendance.

Students who are planning to study music history or composition at the graduate level are advised to include the following courses in their programs:

*Music History:* Two units: MUS 494, Music History Thesis; and one course chosen from MUS 220, The Broadway Musical; MUS 221, Jazz History; MUS 222, Music of the World's Peoples.; or additional unit of MUS 493, Special Topics in Music History.

*Composition:* Three units chosen from the following courses: MUS 301, Analysis of Form and Texture in Music; MUS 401, Counterpoint; MUS 402, Orchestration; MUS 337, Composition.

## Minor in Music

1. Two units Theory: MUS 101/103, 102/104;
2. Two units History: one unit from MUS 100, 230, 231, 274, 275, 276, 333, 493; one unit from MUS 100, 220, 221, 222, 230, 231, 274, 275, 276, 333, 493;
3. One unit Applied Music: MUS 111 through 212; (Voice minors: four semesters, which may include MUS 107/108 at the discretion of the voice department);
4. One unit Music elective;
5. Each Music minor shall register for and maintain membership for at least four semesters in the large university music ensemble appropriate to the student's major instrument and ability.

## Major Area Courses

### Theory

101 / 103, Music Theory 1  
 102 / 104, Music Theory 2  
 201 / 203, Music Theory 3  
 202 / 204, Music Theory 4  
 301, Analysis of Form and Texture of Music  
 335, Jazz Theory and Improvisation  
 337, Composition  
 401, Counterpoint  
 402, Orchestration

### History and Literature

100, Survey of Music Literature  
 220, The Broadway Musical  
 221, Jazz History  
 222, Music of the World's Peoples  
 230 / 231, History and Literature of Music I, II  
 274, The Age of Haydn, Mozart, and Beethoven  
 275, Romanticism in Music  
 276, Twentieth Century Music  
 333, Western and World Music Since 1914  
 493, Special Topics in Music History  
 494, Music History Thesis

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## **Pedagogy and Literature**

- 235 / 236, Diction for Singers I, II
- 353, Piano Pedagogy and Literature
- 356, Singing: Its History, Pedagogy, and Literature
- 357, Performance Practice and Literature for the Organ

## **Conducting**

- 291, Instrumental Conducting and Rehearsal Techniques I
- 292, Instrumental Conducting and Rehearsal Techniques II
- 293, Choral Conducting and Rehearsal Techniques I
- 294, Choral Conducting and Rehearsal Techniques II

## **Performing Groups**

- 170 / 370, University Wind Ensemble
- 172 / 372, Adelpian Concert Choir
- 174 / 374, University Symphony Orchestra
- 176 / 376, University Chorale
- 178 / 378, Voci d'Amici
- 180 / 380, Dorian Singers
- 182 / 382, Gamelan Ensemble
- 184 / 384, Jazz Band
- 188 / 388, University Band
- 319, Opera Theatre

## **Music Business**

- 327, Practicum in Music Education / Music Business
- 341, Seminar in Music Business
- 497, Music Business Internship

## **Music Education**

- 295, Instrumental Techniques: Brass
- 296, Instrumental Techniques: Percussion
- 297, Instrumental Techniques: Double Reeds
- 298, Techniques of Accompanying
- 327, Practicum in Music Education / Music Business
- 393, Secondary Music Methods
- 394, Elementary Music Methods
- 395, Vocal Techniques
- 396, Instrumental Techniques: 'Cello and Bass
- 397, Instrumental Techniques: Violin and Viola
- 398, Instrumental Techniques: Flute, Clarinet, and Saxophone

## **Applied Music**

- 113, Class Guitar, Beginning Level
- 114, Class Guitar, Intermediate Level
- 111 - 412, Applied Music (thirty-minute lesson)
- 161 - 462, Applied Music (sixty-minute lesson)
- 168 / 368, Instrumental Chamber Music / Opera Workshop
- 205, Class Piano I
- 206, Class Piano II

## Courses Especially Suitable for Non-Majors

All Performing Groups (no audition required for University Chorale and University Band)

Applied Music, including classes (subject to audition by instructor and availability)

MUS 100, 220, 221, 222, 230, 274, 275, and 276 (Fine Arts Approaches core requirements courses)

## Course Offerings

Unless otherwise specified, each course carries 1 unit of credit and is offered at least once each academic year. Please see “Frequency of Course Offerings” on page 16.

**First-Year Seminars.** See *First-year Seminars in the Core Curriculum section of this Bulletin for course descriptions (pages 17 and 29).*

### *Scholarly and Creative Inquiry*

#### **121 Musical Film Biography: Fact, Fiction, and Art**

## Other courses offered by School of Music faculty

### **HUM 102, Culture and Crisis**

Satisfies the Seminar in Scholarly and Creative Inquiry core requirement.

### **HUM 305, Modernization and Modernism**

### **HUM 315, Drama, Film, and the Musical Stage**

Satisfies the Connections core requirement.

**100 Survey of Music Literature** This course is a survey of Western music from the Middle Ages to the present. Through study of music literature from historical periods and the cultivation of critical listening skills, students develop an understanding of musical styles and structures and the ability to listen perceptively to music. Includes attendance of concert performances either on or off campus. Satisfies the Fine Arts Approaches core requirement.

**101 / 103 Music Theory 1** (101) Development of skills in sight singing, melodic and harmonic dictation, transcription, and keyboard harmony to improve overall musicianship and comprehension of music theory and literature. (103) Introduction to the fundamentals of music theory: scales, key signatures, intervals, triads, seventh chords, harmonic function and progression, four-part voice leading, and period forms. Creation of an original composition. *These two courses must be taken in the same term.* Offered Fall term only.

**102 / 104 Music Theory 2** (102) Continuation of MUS 101, including further diatonic intervals and more complicated rhythms in sight singing and melodic dictation, and all diatonic harmonies in harmonic dictation. (104) Study of non-chord tones, secondary chords, and modulation through analysis and four-part writing. Creation of original composition. *These two courses must be taken in the same term. Prerequisite: MUS 101 / 103 or advanced placement by examination.* Offered Spring term only.

**109 / 309 Recital Attendance** No credit Required of all music majors. Pass/fail grading only.

**111 / 112, 211 / 212, 311 / 312, 411 / 412 Applied Music** 0.25 unit each For Applied Music students other than Performance majors. One half-hour lesson per week is required. The choice of materials is left to the discretion of the instructors in each applied music department. In the jury examination given at the end of the term, students are required to perform excerpts from the ma-

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terial studied. Registration for lessons is through the Music office prior to university registration. May be repeated for credit. Cannot be audited or taken pass/fail. *Prerequisite: Previous music experience; audition required.*

**113 Class Guitar I** 0.25 unit Designed for students with minimal guitar background. The course deals with music notation, scales, chords, and fundamental techniques of playing the guitar. May be repeated for credit. Offered Fall term only.

**114 Class Guitar II** 0.25 unit Continuation of MUS 113. Basic repertoire is developed as well as more advanced techniques. May be repeated for credit. *Prerequisite: MUS 113 or permission of instructor.* Offered Spring term only.

**161 / 162, 261 / 262, 361 / 362, 461 / 462 Applied Music, Performance Majors** 0.5 - 1 unit each Designed for Applied Music students admitted to the Performance degree or other Applied Music students with written permission from the Director of the School of Music. One hour-long or two half-hour lessons per week required. May be repeated for credit. Registration for lessons is through the Music office prior to university registration. Cannot be audited or taken pass/fail.

**168 / 368 Instrumental Chamber Music / Opera Workshop** 0.5 unit Music for small vocal and instrumental ensembles, one performer to a part. May be repeated for credit. *Prerequisite: Permission of instructor.*

**170 / 370 Wind Ensemble** 0.5 activity unit Prepares and performs music of many styles. Makes public appearances throughout the year and tours in the western United States. Audition required. May be repeated for credit. Pass-fail grading only.

**172 / 372 Adelpian Concert Choir** 0.5 activity unit Prepares and performs varied repertoire for mixed voices. Makes public appearances throughout the year and tours in the western United States. Audition required. May be repeated for credit. Pass-fail grading only.

**174 / 374 University Symphony Orchestra** 0.5 activity unit Preparation and performance of works for symphony orchestra. Makes public appearances throughout the year. Audition required. May be repeated for credit. Pass-fail grading only.

**176 / 376 University Chorale** 0.5 activity unit An all-university group for mixed voices. Local performances are scheduled each semester. Audition not required. May be repeated for credit. Pass-fail grading only.

**178 / 378 Voci d'Amici** 0.25 activity unit Selected by audition from the Adelpian Concert Choir, Voci d'Amici is a select, vocal chamber ensemble dedicated to the performance of repertoire from all musical epochs. The ensemble is self-conducted and a high level of commitment and musicianship is expected. May be repeated for credit. Pass-fail grading only.

**180 / 380 Dorian Singers** 0.5 activity unit An auditioned ensemble of women who rehearse twice a week to develop their individual voices through repertoire chosen for its lyrical character. They sing both accompanied and a *capella* literature and appear in concert several times each semester. Audition required. May be repeated for credit. Pass-fail grading only.

**182 / 382 Gamelan Ensemble** 0.25 activity unit Introduction to the instruments, vocal styles, and culture of a major Southeast Asian music. Performance of traditional and new works from Java, Indonesia, and from America. Prior musical training not required. Audition not required. May be repeated for credit. Pass-fail grading only.

**184 / 384 Jazz Band** 0.25 activity unit Prepares and performs music of many jazz styles for both large bands and small combos. The jazz band plays concerts throughout the year, both on and off campus. Audition required. May be repeated for credit. Pass-fail grading only.

**188 / 388 University Band** 0.25 activity unit An all-university group for brass and woodwind players and percussionists. Local performances are scheduled each semester. Audition not required. May be repeated for credit. Pass-fail grading only.

**201 / 203 Music Theory 3** (201) Chromatic exercises in sight singing, melodic and harmonic dictation, and keyboard harmony to improve overall musicianship and comprehension of music theory and literature. (203) Study of chromatic harmony including mode mixture, the Neapolitan, augmented sixth chords, and enharmonic modulation. Creation of an original composition. *These two course must be taken in the same term. Prerequisite: MUS 102/104 or advanced placement by examination.* Offered Fall term only.

**202 / 204 Music Theory 4** (202) Singing and keyboard exercises in counterpoint, jazz theory, and twentieth-century techniques. Dictation of contrapuntal examples, jazz scales and chords, and twentieth-century sonorities and pitch sets. Harmonic dictation of all chromatic harmonies and modulations. (204) Study of sixteenth- and eighteenth-century counterpoint through composition and analysis; introductory jazz theory; and twentieth-century compositional techniques through analysis of selected literature. *These two course must be taken in the same term. Prerequisite: MUS 201/203 or advanced placement by examination.* Offered Spring term only.

**205 Class Piano I** 0.25 unit This is a course designed for students who have had some prior instruction on the piano. With the piano as a medium students develop an artistic awareness of music from different cultures as well as historical periods. The course focuses on improving music reading ability, harmonizing melodies, improvisation, basic musicianship, and performance of repertoire from the advanced beginner/early intermediate level literature. *Prerequisite: Permission of instructor.* Offered Fall term only.

**206 Class Piano II** 0.25 unit This course is a continuation of MUS 205. Students who have sufficient background from studies elsewhere may enroll in this course with the approval of the instructor. The focus of this course is on improving abilities in music reading, harmonization and improvisation, as well as developing a heightened artistic awareness of cultures through more advanced piano repertoire. *Prerequisite: Permission of instructor.* Offered Spring term only.

**220 The Broadway Musical** A historical survey that focuses on the principal developments and creators of the modern Broadway musical from the 1920s to the present. Through a study of representative musicals the course emphasizes the relationship between music and drama, critical, analytical, authenticity, and social issues, the creative and collaborative process, and adaptation. Satisfies the Fine Arts Approaches core requirement. Offered periodically; not offered 2006-2007.

**221 Jazz History** A historical survey that focuses on the principal elements and styles of jazz, its trends and innovators, and its sociology. The course is designed to develop a critical awareness, understanding, and appreciation of jazz. Satisfies the Fine Arts Approaches core requirement. Offered Spring term only.

**222 Music of the World's Peoples** An introductory survey of the music from world cultures as varied as African, Indonesian, South American, Caribbean, European, Asian, Celtic, and the United States. Students are introduced to the methods of ethnomusicology and to the viewpoint

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that music is a human activity - a product of its historical, social, and cultural context. Satisfies the Fine Arts Approaches core requirement. Offered Spring term only.

**230 History and Literature of Music I** A survey of music history from the foundations of Western music in ancient Greece through development of the Classical style in music in late eighteenth century Vienna. Students explore such topics as sacred and secular monophonic and polyphonic music in the Middle Ages and the development of vocal and instrumental styles and genres in the Renaissance, Baroque, and Classical eras. The focus of each class is on detailed analytical, historical, and critical study of representative works through lectures, class discussions, writing assignments, student performances, and directed listening assignments. Satisfies the Fine Arts Approaches core requirement. Offered Fall term only.

**231 History and Literature of Music II** A survey of music history that traces the development of Western musical styles and ideas from the late eighteenth century to the present. Topics include symphonic and concerto literature, *Lieder* and opera, piano and chamber music, nationalism, modernism, neoclassicism, jazz, the avant-garde, and postmodernism. Detailed analytical, historical, and critical study of representative late classical, romantic, and twentieth-century works through lectures, class discussions, writing assignments, and directed listening. *MUS 201/203 strongly recommended*. Offered Spring term only.

**235 Diction for Singers I** 0.5 unit This class introduces the student to the symbols of the International Phonetic Alphabet and how to use those symbols in the study of languages. The course also studies and applies the basic rules of English and Italian diction for singers through oral drills and transcription of song texts. Offered periodically; not offered 2006-2007.

**236 Diction for Singers II** 0.5 unit This class is devoted to the study of German and French diction for singers. After introducing the sounds of each language, the class studies and applies the rules of pronunciation through oral drills and transcription of song texts. Offered periodically; not offered 2006-2007.

**274 The Age of Haydn, Mozart, and Beethoven** An introductory survey of music of the Classical era (1750-1825). Students explore the historical and stylistic developments of this period through the life and works of the period's three masters, Haydn, Mozart, and Beethoven. Satisfies the Fine Arts Approaches core requirement. Offered periodically; not offered 2006-2007.

**275 Romanticism in Music** An introductory survey of music in the Romantic era (1815-1900) beginning with the late works of Beethoven and Schubert and ending with the works of Mahler and Debussy at the turn of the twentieth century. Students explore historical and stylistic developments through the critical study of representative works from the period. Major genres, the lives of the composers, and the creative process are examined, and the importance of the artist for society is considered. Satisfies the Fine Arts Approaches core requirement. Offered Spring term only.

**276 Twentieth-Century Music** An introductory survey of twentieth-century music. The course will explore the musical styles and cultural ideologies of selected European and American modernists active before and after World War I (e.g., Debussy, Schoenberg, Stravinsky, Ives), varieties of neo-classicism prominent between the wars, the post-World War II avant-garde that introduced electronic and chance music, and postmodernism (including minimalism). Approximately equal emphasis will be given to selected pop styles and genres, jazz, blues, popular song, the Broadway musical, film music, and rock. Satisfies the Fine Arts Approaches core requirement. Offered periodically; not offered 2006-2007.



**291 Instrumental Conducting and Rehearsal Techniques I** 0.5 unit Basic fundamentals of conducting such as beat patterns, baton techniques, transposition, score and clef reading, subdivisions, fermatas, and releases. Introduction to rehearsal techniques and score preparation. *Prerequisite:* MUS 102/104. Offered Fall term only.

**292 Instrumental Conducting and Rehearsal Techniques II** 0.5 unit More advanced baton technique and refinement of basic fundamentals of conducting with emphasis on expressive gestures and rehearsal techniques. Score analysis and study and preparation for performance. *Prerequisite:* MUS 291 or permission of instructor. Offered Spring term only.

**293 Choral Conducting and Rehearsal Techniques I** 0.5 unit Basic elements of conducting, including beat patterns, cues, articulations, baton technique, and score analysis are learned and refined. Evaluation through videotaping and class critiques. Experience before performing groups is a part of final evaluations. *Prerequisite:* MUS 102/104. Offered Fall term only.

**294 Choral Conducting and Rehearsal Techniques II** 0.5 unit Elements of conducting including cues, articulations, expressive gestures are refined. Score selection and detailed analysis is emphasized. Evaluation through videotaping and class discussion are scheduled weekly. Rehearsal and conducting performance experience with the concert choir is provided. *Prerequisite:* MUS 293 or permission of instructor. Offered Spring term only.

**295, 296, 297 Instrumental Techniques** 0.25 unit each Fundamental class instruction in preparation for teaching in the schools. The classes function basically as playing laboratories. *Prerequisite:* MUS 102/104.

	<i>Must be taken concurrently with</i>	
295 Brass	MUS 291 or 293	Fall term
296 Percussion	MUS 292 or 294	Spring term
297 Double Reeds	MUS 291 or 293	Fall term

**298 Techniques of Accompanying** 0.25 unit The course provides a focus on accompanying skills for the music classroom on both keyboard and fretted instruments. The skills development is complimented by the study of teaching methods and laboratory experiences in class and in the school. *Co-requisite:* to be taken concurrently with MUS 292 or 294. Offered Spring term only.

**301 Analysis of Form and Texture of Music** An exploration of musical language and form, with emphasis on the primary forms of the Baroque, Classical, and Romantic eras, and the melodic and harmonic language of music of the twentieth century. Topics include the Baroque dance suite, sonata form, rondo form, continuous and sectional variations, concerto, pitch-class set theory, and twelve-tone operations, with focus on detailed aural and written analysis. *Prerequisite:* MUS 202/204 or permission of the instructor. Offered periodically; not offered 2006-2007.

**319 Opera Theatre** 0.25 activity unit The preparation and performance of works for the musical stage. Audition required. May be repeated for credit. Pass-fail grading only.

**327 Practicum in Music Education / Music Business** Credit, variable up to 1 unit An on-site experience in a school music classroom or music business, providing the student with pre-professional opportunities to observe and participate in school music and music business programs. Term project and journal required. Applications are due into the School of Music early in the semester preceding registration. May be repeated for credit if total credit will not exceed one unit. *Prerequisite:* Permission of instructor.

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**333 Western and World Music Since 1914** A survey of music history of the classical and popular traditions from World War I to the present and an introduction to world music. Topics include the legacy of modernism, neoclassicism, the post World War II avant-garde, postmodernism, jazz and popular music, and the musical traditions of India and Africa. The class includes detailed analytical, historical, and critical study of representative works through lectures, class discussions, writing assignments, and directed listening. *Prerequisites: MUS 201/203, 230, 231, or permission of instructor.* Offered Fall term only.

**335 Jazz Theory and Improvisation** An introduction to jazz theory and improvisation through the study of selected compositions with emphasis on musical analysis, transcription, and performance. Laboratory required. *Prerequisite: MUS 202/204 or permission of instructor.* Offered Fall term only.

**337 Composition** 0.5 unit An introduction to compositional technique through the study of musical form, style, performing forces (including electronic media), text setting, twentieth-century compositional techniques, and analysis of selected compositions. May be repeated for up to 1.5 units. *Prerequisites: MUS 102/104 and permission of instructor.*

**341 Seminar in Music Business** The study of principles and procedures providing a background for work in the music industry. Each phase of the music industry is explored. Opportunities are provided for self-evaluation to assist students in selecting an area of concentration. Offered Fall term only.

**353 Piano Pedagogy and Literature** 0.5 unit Basic concepts of piano techniques and musicianship, and their demonstration in the teaching studio. Selection of teaching materials from method courses for beginning students to repertoire for advanced pianists. Emphasis on creating teaching situations, student demonstration. Survey of well-known piano literature for interpretive guidelines and pedagogical application. Offered periodically; not offered 2006-2007.

**356 Pedagogy of Singing** 0.5 unit A study of the singing voice. This includes the structures, mechanics, and acoustics involved in the production of a sung tone, as well as practical methods for developing the voice and correcting vocal faults. Offered Fall term only.

**357 Performance Practice and Literature for Organ** 0.5 unit The study of organ literature from its earliest beginning to the present; the development of organs in various countries; stylistic concepts as applied to various segments of the literature. Offered on an as-needed basis.

**393 Secondary Music Methods** An introduction to the philosophical, aesthetic, and historical foundations of music education. Exploration of theories in learning and motivation as applied to music, and of teaching as a career. Secondary school music program coordination is examined; teaching and observing within various school music education programs is included throughout the term. *Prerequisite: MUS 292 or 294.* Offered Fall term only.

**394 Elementary Music Methods** A study and practice of general music curriculum and instruction in elementary, middle, and junior high schools. Included are developing teaching strategies, educational aims, and effective lessons for performing, listening, composing, improvising, music reading, analyzing, and creative movement. Students develop their own philosophies about music as an integral part of the curriculum. Includes classroom practicum and final project. *Prerequisite: MUS 393.* Offered Spring term only.

**395 Vocal Techniques** 0.25 unit This course provides the basics of vocal technique, diction and pedagogy for the music educator. Emphasis is placed on the development of basic vocal skills and pedagogical concepts leading to a better understanding of the voice. Specific problems often encountered by choral directors are also discussed. *Co-requisite: To be taken concurrently with MUS 291 or 293.* Offered Fall term only.

**396, 397, 398 Instrumental Techniques** 0.25 unit each Fundamental class instruction in preparation for teaching in the schools. The classes function basically as playing laboratories. *Prerequisite: MUS 102/104.*

		<i>Must be taken concurrently with</i>
396 'Cello and Bass	MUS 394	Spring term
397 Violin and Viola	MUS 393	Fall term
398 Flute, Clarinet, and Saxophone	MUS 394	Spring term

**401 Counterpoint** Composition of sixteenth- and eighteenth-century polyphony in two, three, and four parts. Topics include the sixteenth-century genres of motet, madrigal, canzonet, fantasia, and the eighteenth-century genres of chorale prelude, invention, and fugue. Students complete and present original contrapuntal compositions. *Prerequisite: MUS 202/204 or permission of the instructor.* Offered alternate Spring terms; not offered 2006-2007.

**402 Orchestration** This course includes study of the ranges, techniques, and timbres of each orchestral instrument and addresses common issues associated with scoring for instruments in combination. Topics include arranging music for string ensemble, woodwind ensemble, brass ensemble, percussion ensemble, band, and orchestra. There are listening exams on orchestral literature and on aural recognition of various instrumental timbres both in solo settings and in combination with other instruments. Additionally, students create an original orchestral composition. *Prerequisite: MUS 202/204 or permission of the instructor.* Offered Spring term only.

**422 Recital** No credit Preparation for a formal public recital usually presented by a junior or senior performance major. May be repeated. Pass-fail grading only. *Prerequisite: Permission of the instructor.*

**493 Special Topics in Music History** Topics in Music History are studied in a seminar format. Emphasis is given to cultural and stylistic issues and to methods and techniques of historical research, analysis, and writing. May be repeated for credit. Fall 2006 topic: Creating the Character in Opera, 1911-1945. *Prerequisite: MUS 230, 231, or permission of instructor.* Offered Fall term only.

**494 Music History Thesis** Guided thesis in music history. Topic and scope to be arranged between the student and faculty thesis advisor. *Prerequisites: MUS 230, 231, 493.*

**495 / 496 Independent Study** Credit arranged Independent study in specific areas; written proposals required. May be repeated for credit. *Prerequisites: Permission of the instructor and the Director of the School of Music.*

**497 Music Business Internship** Designed to provide music business students with on-the-job experience with participating businesses. Registration is through Career and Employment Services. *Prerequisites: MUS 341, permission of Director of the School of Music, and approval of the Internship Coordinator (see description on page 281 of this Bulletin).*

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## NATURAL SCIENCE

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Coordinators: Kenneth Rousslang, *Chemistry*; James Evans, *Physics*; Michael Valentine, *Geology*; Alexa Tullis, *Biology*

### About the Program

This major is designed to serve the needs of students who desire a broad background in the natural sciences. It may serve students who plan to teach at the junior or senior high levels (see the School of Education section of this *Bulletin*). It is also a useful major for those interested in a degree leading to graduate work in physical or occupational therapy. This is a logical major for Pre-Physical Therapy students, who must take courses in Biology, Chemistry, and Physics. Dual Degree Engineering students who elect to complete a degree before entering engineering school may be well served by the Natural Science major as well. Other students who wish a broad, interdisciplinary approach will want to look closely at the benefits offered by this major. In addition to meeting requirements for a Bachelor of Science degree, it provides for moderate intensification in one field of science as well as a background in other areas of mathematics and the natural sciences. Foreign language competence is recommended but is not a specific requirement. Natural Science majors are not eligible for a double major in Biochemistry, Biology, Chemistry, Geology, Molecular and Cellular Biology, or Physics, nor for a double major in Natural Science.

Students interested in pursuing a major in Natural Science should consult with one of the coordinators listed above.

### General Requirements for the Major

General university degree requirements stipulate that 1) at least four units of the major be taken in residence at Puget Sound; 2) students earn a GPA of 2.0 in courses taken for the major; and 3) all courses taken for a major must be taken for graded credit. Any exceptions to these stipulations are indicated in the major degree requirements listed below.

One of the following areas of emphasis is required. See departmental listings for course descriptions.

#### Biology

Completion of a minimum of 14 units, two units of which must be at the 300/400 level, to include

1. Six units of Biology 111, 112, 211, 212, 311 and one elective numbered from 312 to 389 or 400-489;
2. Two units of Chemistry: 110 and 111 or 230;
3. Two units in Geology or Physics (111/112 or 121/122);
4. One unit in Mathematics (180 or higher) or Computer Science (161 or higher);
5. Three additional units from the following: BIOL 312-496; CHEM 250 or higher, ENVR 105, EXSC 221/222; Geology, Mathematics or Computer Science (higher than MATH 180 or CSCI 161), or PHYS 111 or higher.

#### Chemistry

Completion of a minimum of 14 units, to include

1. Six units of Chemistry (All courses must be those normally counted toward a major.);
2. Two units of Mathematics (180 or higher);
3. Two units of Physics (111/112 or 121/122) or Biology (111/112);
4. Four additional units of Biology, Chemistry, Geology, Physics, or Mathematics/Computer

Science. (All courses must be those normally counted toward a major. No more than two of these may be Chemistry courses.)

## Geology

Completion of a minimum of 14 units, to include

1. Six units of Geology to include either GEOL 101 or 102 or 104 or 110 (only one of these will count toward the major) and GEOL 200. GEOL 105 and ENVR 301 may also count towards the major;
2. No more than two 100-level Geology courses will count toward the major;
3. Two units Mathematics, MATH 110 or higher; may include CSCI 161;
4. Two units Chemistry, to include CHEM 110 and *either* 111 or 230;
5. Four additional units Physics, Biology, Chemistry, or Mathematics/Computer Science, Geology (206 or higher), or Environmental Studies 105.

## Physics

Completion of a minimum of 14 units, to include

1. Six units of Physics. All courses must be those normally counted toward a major;
2. Four units of Mathematics, MATH 180, 181, 280 and one additional upper-division (300-400 level) unit;
3. Four additional units Biology, Geology, Chemistry, Physics, or Mathematics/Computer Science. (No more than two of these may be Physics courses.)

### Please Note

1. The coordinators of the program reserve the right to require a student earning a Natural Science major to comply with the time limit rules required by the department of the Natural Science emphasis.
2. The grade criterion within the Natural Science major will follow the requirement of the Department corresponding to the emphasis.

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## OCCUPATIONAL THERAPY

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Professor: Juli McGruder; Yvonne Swinth; George Tomlin, *Director*

Assistant Professor: Tatiana Kaminsky

Clinical Associate Professor: Martins Linauts

Visiting Clinical Assistant Professor: Margaret Luthman

Adjunct Clinical Assistant Professor: Cathy Elvins; Christine Stephan

Academic Coordinator of Clinical Education: Marie DeBenedictis

## The Master of Occupational Therapy and Master of Science in Occupational Therapy Degrees

The Occupational Therapy Program offered by the School of Occupational Therapy and Physical Therapy is a post-baccalaureate, graduate, professional entry-level program, leading either to a Master of Occupational Therapy degree (MOT) or a Master of Science in Occupational Therapy degree (MSOT). The department also offers a post-professional Master of Science in

# Occupational Therapy

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Occupational Therapy degree for occupational therapy practitioners who hold a bachelor's degree.

Any undergraduate major may lead to the successful study of occupational therapy. In fact, the department seeks a diversity of educational backgrounds among its students. A liberal education is a vital component in the preparation of today's health care practitioner. Specific prerequisite courses also must be completed before enrollment in the Occupational Therapy Program: EXSC 221/222 (Anatomy and Physiology); PSYCH 273/274 (Human Development through the Lifespan); MATH 160 (Elements of Applied Statistics); and one upper-division course concerning human behavior. (Please note that EXSC 221 carries a prerequisite of BIOL 111 or equivalent.)

Although most students enter the Occupational Therapy Program having already earned a bachelor's degree, the MOT or MSOT can be completed as a 3-2 program. With careful planning, it is possible for a Puget Sound student to interlock the final year of an undergraduate program with the first year of the master's program. Students at Puget Sound who are planning a 3-2 program should work closely with an undergraduate advisor in their major as well as a graduate advisor in the Occupational Therapy Program. During their first year of study in the Occupational Therapy Program, such students retain their status as undergraduates for financial aid, housing, and other purposes. At the time of bestowal of the bachelor's degree they acquire graduate standing in the Occupational Therapy Program.

Please note that in most years more applications are received for the incoming class than there are spaces available, and that admission to the University of Puget Sound does not guarantee admission to the Occupational Therapy Program. Applicants who have been or will be granted an undergraduate degree from Puget Sound, however, and who are competitive within the applicant pool, are offered admission prior to transfer students.

For information concerning application procedures and acceptance to degree candidacy, see the Occupational Therapy Program presentation folder (available in the Office of Admission and from the School of Occupational Therapy and Physical Therapy). For information on completion of degree requirements for the graduate program in Occupational Therapy see the Graduate Programs *Bulletin*. The course sequence and course descriptions for the MOT and MSOT degrees are contained in both publications.

## Course Offerings

Unless otherwise specified, each course carries 1 unit of credit and is offered at least once each academic year. Please see "Frequency of Course Offerings" on page 16.

**First-Year Seminars.** See *First-Year Seminars in the Core Curriculum section of this Bulletin for course descriptions (page 17 and 29)*.

### *Writing and Rhetoric*

#### **115 Schizophrenia Debates**

**101 Introduction to OT / PT** 0.25 unit This course functions as an advising section for students interested in exploring the fields of occupational therapy and physical therapy in addition to the liberal arts and sciences. There are two major objectives in the course: 1) to define the roles and functions of occupational therapists and physical therapists in a variety of settings, and 2) to explore students' alternative academic interests to ensure that their courses of study will be chosen in a well-informed and considered way.

NOTE: This course is *not* required for either the OT or the PT program, nor will it meet any requirements for those degrees.

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## PHILOSOPHY

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Professor: William Beardsley; Douglas Cannon, *Chair*; Paul Loeb

Assistant Professor: Ariela Tubert

Visiting Assistant Professor: William Melanson

### About the Department

Philosophy is the oldest academic discipline. Such fields as physics and politics have their origins in it, but the study of philosophy itself will endure as long as human beings seek understanding. Philosophy can be described as the application of reason to the most general and fundamental questions of human concern, in order to give them the best justified possible answers. The questions that have occupied philosophy across its history can be located in three categories. First, there are questions about the nature of reality - ourselves and the world in which we find ourselves. Second, philosophy considers questions about how we should live, including questions about moral choice, about the place of the individual in the community, and about what is valuable or worthwhile. A third kind of question concerns what it is possible to know, and what constitutes good reasoning and secure justification. Despite these categories, many philosophers seek a comprehensive and unified vision of the world and our place in it. Even those philosophers who are skeptical of such grand designs typically answer one kind of question - "Do people have minds over and above their bodies (or their brains)?" - by considering another - "How could I know about another person's mind?" In fact, the question of how we know pervades philosophy.

For the discipline of philosophy, its history - especially the work of its great figures - is unusually important. Philosophy's peculiarly reflective and self-critical approach to these questions originated with the philosophers of ancient Greece and developed in a dialogue that has extended across the centuries in the Western philosophical tradition. Philosophy is a living subject as well, pressing now as much as ever for answers to its central questions. Therefore the department's curriculum also presents the best contemporary thinking, upon a foundation of established works from the past.

Students find that courses in the Philosophy Department develop an unusual range of intellectual abilities. Specifically they develop the

1. ability to carefully engage in reading demanding texts with the accompanying increased knowledge of various historical periods or cultural milieus in which the texts originated;
2. ability to produce precise and carefully structured philosophical writing, constructing sustained arguments and analyzing and criticizing the arguments of others;
3. ability to participate extensively in reasoned discussion;
4. ability to make cogent and carefully-constructed oral presentations;
5. understanding of the abstract character of logic and its use of symbolic representations;
6. an acquaintance with great philosophical works, universally recognized to be among the finest products of human thought.

Students who major in the department's program undertake, and succeed in, a variety of endeavors upon graduating. Those who wish to do graduate work are well prepared for it. Others pursue professional programs in such fields as law, education, divinity, business, public administration, and even medicine and public health. Without further education, many Philosophy graduates add their own energy and good sense to the abilities developed in them by the study of philosophy, and find rewarding positions in government, in business, in the arts, and in journal-

# Philosophy

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ism. Virtually any career which requires clear thinking, intellectual creativity, good command of language, and a perspective on competing values and systems of belief provides opportunities for a graduate in Philosophy. But equally important is the value of an education that develops a reflective understanding of ourselves, and of our experience of the world and of others.

Students majoring in Philosophy should satisfy university core curriculum requirements primarily with courses from other departments.

## General Requirements for the Major or Minor

General university degree requirements stipulate that 1) at least four units of the major or three units of the minor be taken in residence at Puget Sound; 2) students earn a GPA of 2.0 in courses taken for the major or the minor; and 3) all courses taken for a major or minor must be taken for graded credit. Any exceptions to these stipulations are indicated in the major and minor degree requirements listed below.

## Requirements for the Major

A major in Philosophy consists of the following:

1. PHIL 215, 219, 228, 273, 281;
2. One 400-level seminar: 401, 402, or 403;
3. Four additional courses in Philosophy, three of which must be at the 300 level or higher.

### Notes:

1. Introductory courses, numbered between 100 and 110, do not count toward the major.
2. All 200-level requirements should be completed by the end of the junior year
3. Only one course may be used simultaneously to satisfy core curriculum and the Philosophy Department's requirements.
4. Courses taken more than six years ago will be accepted or rejected for the major by the Philosophy Department on a case-by-case basis.

## Requirements for the Minor

A minor in Philosophy consists of 5 courses.

1. PHIL 215, 219, and 273;
2. Two additional courses in Philosophy, including at least one at the 300-level or higher.

### Notes:

1. Introductory courses, numbered between 100 and 110, do not count toward the minor.
2. Courses taken more than six years ago will be accepted or rejected for the minor by the Philosophy Department on a case-by-case basis.

## Course Offerings

Unless otherwise specified, each course carries 1 unit of credit and is offered at least once each academic year. Please see "Frequency of Course Offerings" on page 16.

**First-Year Seminars.** See *First-Year Seminars in the Core Curriculum section of this Bulletin for course descriptions (pages 17 and 29).*

### *Scholarly and Creative Inquiry*

**102 The Posthuman Future**

**104 Freedom of the Will and the Concept of a Person**



105 Democracy and Equality

108 Infinity and Paradox

**Other courses offered by Philosophy department faculty**

**HON 214, Social Scientific Approaches to Knowing**

Satisfies the Social Scientific Approaches core requirement.

**HUM 120, Crisis and Culture**

Satisfies the Seminar Scholarly and Creative Inquiry core requirement.

**HUM 304, Ancients and Moderns**

**101 Introduction to Philosophy** Representative philosophical topics, such as mind and body, the grounds of knowledge, the existence of God, moral obligation, political equality, and human freedom, are discussed in connection with major figures in the philosophical tradition originating in ancient Greece (e.g., Socrates, Plato, Descartes, Hume, Rousseau, and Nietzsche) and with contemporary philosophers who are heirs to that tradition. Satisfies the Humanistic Approaches core requirement.

**215 Ancient Philosophy** A survey of the origins of Western philosophy in Ancient Greece, beginning with the Presocratics and covering Socrates, Plato, and Aristotle. Topics discussed include the origin and composition of the cosmos, the nature of divinity, the possibility and extent of human knowledge, the basis of morality, the nature of the soul and its relation to the body, the nature of love and friendship, the development of political theory, and the meaning of human life and excellence. Philosophical developments are examined against the background of historical changes, as well as pre-existing ancient Greek myth. Satisfies the Humanistic Approaches core requirement.

**219 Seventeenth and Eighteenth Century Philosophy** European philosophers of the seventeenth and eighteenth centuries struggled to make sense of ordinary perceptual experience in light of the emerging mathematical physics that culminated in Newton. This new physics presented a picture of the world according to which things in space and time are not as they appear to the senses, and thus overturned the Aristotelian world-view endorsed by the Church since the Middle Ages. The philosophical issues of this period concern the nature of knowledge of the world and how it is acquired. Also included are various accounts of the mind and of its intellectual and sensory capacities.

**224 Logic and Language** This course presents an account of deductive inference in natural language. The logical relations of mutual consistency and equivalence are defined for sentences of English, as is the notion of a valid deductive argument expressed by sentences of English. Theoretical and technical devices are introduced both from standard symbolic logic and from generative grammar, with a focus on grammatical structures that determine logical force. Also considered are philosophical issues about language, mind, meaning, and truth. Readings introduce such important figures in 20<sup>th</sup>-century thought as Gottlob Frege, W.V.O. Quine, Paul Grice, and Noam Chomsky. Satisfies the Mathematical Approaches core requirement.

**228 Philosophy of Mind** This course introduces central issues in the philosophy of mind, especially the relation between mind and body - the brain, in particular - and the nature of consciousness. Other topics may include the possibility of artificial intelligence, the nature of psychological explanation, self-knowledge, psychopathology and psychopharmacology, psychoanalysis, and the concept of a person. Course materials reflect scientific developments in such fields as psychology, neurobiology, medicine, linguistics, and computer engineering.

## Philosophy

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**243 Aesthetics** This course is a critical examination of the problems that arise in trying to understand the creation, nature, interpretation, evaluation, and appreciation of works of art. Art is viewed in its relation to other aspects of culture such as morality, economics, and ecology. A variety of classical and contemporary perspectives are examined. Offered every two years; offered Spring 2007.

**252 Philosophy and Literature** This course studies literature as a philosophically interesting medium and as a vehicle for philosophical exploration. Themes of the course may vary, but some typical questions addressed are: What is and is not literature? What is the ontological status of literature, and how does literature relate to the world? How does literature relate to time, history, and memory? What kinds of literature are there? What is the relation between fiction and non-fiction? Does the author exist? What is the relation between intention and interpretation? Why and how does literature move us emotionally? What counts as good or beautiful literature? How does literature relate to other aesthetic forms (such as film)? Offered every two years; not offered 2006-2007.

**273 Formal Logic** A study of the principles and techniques of deductive logic, taking the formal approach that prevails in contemporary practice. Arguments are paraphrased in a formal language and elements of that language are interpreted by being assigned certain simple mathematical structures. Topics include the concepts of consistency, logical consequence, and proof; the logic of truth-functions, quantifiers, and identity; and an introductory consideration of theorems about the formal language and its interpretations themselves (what is called metalogic). The nature of logic, its role in reasoning, and their epistemological standing are considered philosophically. *Prerequisite: MATH 111 or PHIL 224 or permission of instructor.* Satisfies the Mathematical Approaches core requirement.

**280 Social and Political Philosophy** This course explores philosophical approaches, both historical and contemporary, to the problems of political and social organization. Representative topics such as the legitimacy of government, the idea of a social contract, just economic distribution, political rights, social equality, and identity politics are discussed. Readings are drawn from prominent historical and contemporary thinkers. Offered every two years; offered both Fall 2006 and Spring 2007.

**281 Philosophical Ethics** This course is a general introduction both to leading philosophical attempts, ancient and modern, to more or less systematically account for the nature of value and our moral experience, and to certain contemporary reactions to such attempts. Featured philosophers may include Plato, Aristotle, Hobbes, Hume, Kant, Hegel, Mill, Nietzsche, and Rawls.

**285 Morality and the Environment** This course focuses on ethical issues surrounding the ascription of value to nature, the possible parochialism of such values, the justification of public policy concerning wilderness and wilderness species, the meaning of “wild” in the twenty-first century, and the human use of animals. In the course we focus our energies as philosophers and ethicists, except insofar as such focus causes us to rethink our positions as scientists and environmentalists. Offered every three years; not offered 2006-2007.

**286 Existentialism** Existentialism describes an influential set of views that gained prominence in Europe following World War II, stressing radical human freedom and possibility, as well as concomitant responsibility and anxiety, in a world bereft of transcendent significance. This course examines the nineteenth-century philosophical roots of such views, their leading twentieth-

eth-century philosophical and theological expression, and a few of their most compelling incarnations in literature. Offered every two years; not offered 2006-2007.

**317 Nineteenth-Century Philosophy** This course is an introduction to philosophical systems of Hegel, Feuerbach, Marx, J.S. Mill, Kierkegaard, and Nietzsche. Topics include the nature of history and historical change, the extent of human freedom, the relation between individuals and their cultures, the historical and psychological importance of religious, moral, and philosophical consciousness, and the nature of truth. *Prerequisite: One previous course in Philosophy.* Offered every two years; offered Fall 2006.

**322 British Empiricism** This seminar examines the metaphysical and epistemological theories of the British Empiricists of the seventeenth and eighteenth centuries through close readings of Locke's *Essay Concerning Human Understanding*, Berkeley's *The Principles of Human Knowledge*, and Hume's *A Treatise of Human Nature*. It considers such issues as realism, idealism and skepticism, the nature and scope of scientific knowledge, the nature of the self and self-knowledge, and personal identity. Special consideration is paid to the development of empiricism in the context of scientific and religious controversies in seventeenth- and eighteenth-century Britain. Readings in recent secondary literature are also required. *Prerequisite: PHIL 219.* Offered every two years; not offered 2006-2007.

**330 Epistemology: Theory of Knowledge** This course addresses issues about the nature of knowledge, justification, and truth, issues that arise from questions like, "How do you know?" and "Can you be sure?" Epistemology has largely been driven by skeptical worries as to whether knowledge is really possible, whether human reason can discover the truth. Under the influence of Quine, many contemporary philosophers dismiss the challenge of skepticism and recast epistemology as a natural science, allied with psychology. Yet skepticism underlies many currents in the humanities, influencing post-modernism, relativism, social constructionism, deconstruction, and even feminism. In examining these developments, the course addresses works by such philosophers as Bertrand Russell, Ludwig Wittgenstein, Wilfrid Sellars, W.V.O. Quine, Alvin Goldman, Nelson Goodman, Catherine MacKinnon, Stanley Cavell, and Naomi Scheman. It may address epistemological themes in such works of literature as Shakespeare's *Othello*. *Prerequisite: One previous course in Philosophy.*

**332 Philosophy of Science** This course consists of a philosophical examination of science. The course examines attempts to describe what is distinctive about science, including views concerning scientific methodology. The course also examines the character of scientific change, asking how one should understand the history of science. This examination leads to a discussion of the nature of scientific knowledge, including whether scientific entities should be considered real and what role values play in the development of science. Issues that arise from particular sciences also may be discussed. *Prerequisite: One previous course in Philosophy or junior standing with a Natural Science or Science, Technology, and Society major.* Offered every two years; not offered 2006-2007.

**338 Space and Time** Knowledge about space and time has been uniquely influential in epistemology, from ancient times to the present. And metaphysical reasoning about space and time has been especially rich, contributing greatly to what is now known as physics. This course portrays the interaction of philosophy, mathematics, and physics as conceptions of space and time developed historically. It extends that interaction to contemporary discussion of such topics as relationalism vs. substantialism, conventionalism, whether space and time are unified, whether time-travel is possible, and whether the now has any special status in the expanse (or passage) of

## Philosophy

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time. It fosters an interdisciplinary engagement by studying works from three disciplines and by inviting students of each of them to learn from one another. *Prerequisite: PHIL 219 or PHYS 122 or MATH 232.* Offered every two years; offered Fall 2006.

**353 Philosophy and Film** This course studies film as a philosophically interesting medium and as a vehicle for philosophical exploration. Themes of the course may vary, but some typical ones are the difference between image and reality; the nature of art and beauty; the role of values, ideology, and politics; and questions regarding time, history, memory, and identity. *Prerequisite: One previous course in Philosophy.* Usually offered every year; not offered 2006-2007.

**361 Aristotle** This course is a moderately comprehensive and systematic treatment of Aristotle, including method, metaphysics, psychology, ethics, and politics. It considers Aristotle's criticism of Plato's theory of forms and his own views about what is real, the relation of form and matter, the nature of the soul, the highest human good, and the relation of the individual and the community. *Prerequisite: PHIL 215.* Offered every two years; not offered 2006-2007.

**366 Kant** This course consists of a careful reading of Kant's *Critique of Pure Reason*, designed to provide a thorough introduction to the epistemological aspect of Kant's critical philosophy. Philosophical issues discussed include the nature of the human mind, the possibility and extent of human knowledge, the reality of space and time, the basis of mathematics and logic, self and personal identity, the foundations of natural science, matter and substance, force and causation, the origin and composition of the universe, freedom of the will, the existence and properties of God, teleology, and the basis of morality. *Prerequisite: PHIL 219.* Offered every two years; not offered 2006-2007.

**382 Philosophy of Religion** The course assesses the reasonableness of various forms of religious belief and of irreligion. Noted historical and contemporary authors are read. Readings and discussion tends to focus on the Western religious tradition. Students attempt to develop personal views on the truth of religion and its place in life. Offered every two years; offered Spring 2007.

**383 Contemporary Moral Philosophy** This course focuses on recent or current research programs in ethics, broadly construed to include theoretical accounts of how we ought to live, philosophical justifications for those accounts, and more general work on the nature and sources of value and normativity. Topics may include neo-Kantianism, sensibility theory, error theory, virtue ethics, contractarianism, ethical skepticism and the relation between ethical theory and empirical psychology. *Prerequisite: One previous course in Philosophy. (PHIL 281 highly recommended.)* Usually offered every year; not offered 2006-2007.

**387 Recent Continental Philosophy** This course is a survey of some of the leading figures and movements in recent Continental philosophy, with a special emphasis on major French theorists such as Derrida, Foucault, Lyotard, Baudrillard, Deleuze, Irigaray, and Wittig. As preparation, the class reads selections from influential earlier figures such as Plato and Nietzsche. Topics discussed include text, power, postmodernism, technology, death, the body, and gender. *Prerequisite: one previous course in Philosophy.* Offered every two years; offered Spring 2007.

**390 Feminism and Philosophy** Philosophical issues concerning values take on a new color when examined in the light of women's concerns and the results of feminist scholarship. This course is a study of feminist ethics and feminist epistemology and the values that relate them. Feminist thought emphasizes the commonality of these areas, seeing the values that motivate action and underlie conduct as integrated with the values that undergird conviction and guide the construc-

tion and justification even of scientific theories. In acknowledging these characteristic emphases, the course recognizes the diversity of feminist approaches, exploring such contrasts as those between liberal feminism and radical feminism, between feminist essentialism and feminist pluralism, and between feminist standpoint theories and varieties of social contextualism and social constructionism. Offered every two years; not offered 2006-2007.

**401 Topics in Metaphysics and Epistemology** Conducted as an advanced seminar, the course addresses topics from metaphysics and epistemology, understood to include the philosophy of mind. Each student writes and presents a substantial seminar paper related to the course. Representative course topics include human freedom and the causal order, conceivability and possibility, number and other abstractions, the infinite, *a priori* knowledge, relativism and truth, knowledge of the self, intentionality, mental representation, and the nature of consciousness. *Prerequisites: PHIL 228, PHIL 273, and at least junior standing.* Offered at least every two years; not offered 2006-2007.

**402 Topics in the History of Philosophy** Conducted as an advanced seminar, the course addresses topics from the history of philosophy, typically concentrating on a major philosopher or philosophical movement. Each student writes and presents a substantial seminar paper related to the course. Representative course topics include Plato, the Stoics, Ancient and Modern Skepticism, Aquinas, Rationalism, Hume, Idealism, Nietzsche, the Pragmatists, and Russell and Wittgenstein. *Prerequisites: PHIL 215, PHIL 219, and at least junior standing.* Offered Spring 2007.

**403 Topics in Value Theory** Conducted as an advanced seminar, the course addresses topics from value theory, understood to include ethics, political philosophy, aesthetics, and philosophy of religion. Each student writes and presents a substantial seminar paper related to the course. Representative course topics include sources of normativity, virtues of character and moral rules, objectivity and moral relativism, the role of reason in ethics, critical theory, ethics and psychoanalysis, and religious commitment and civil liberties. *Prerequisites: PHIL 281, and at least junior standing.* Offered Fall 2006.

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## PHYSICAL EDUCATION

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Director of Physical Education, Intercollegiate Athletics and Recreation: Amy Hackett

Activities Instructors and Varsity Sport Coaches: Michael Adams, Suzy Barcomb, Marge Beardemphl, Brian Billings, Steve Bowen, Beth Bricker, Sarah Canfield, Jomarie Carlson, Chet Dawson, Eddie Espinosa, Tiffany Fields, Reggie Frederick, Shannon Hendrickson, Dan Keene, Craig Kennedy, Lyle Maines, Mark Massey, Chris Myhre, Reece Olney, Mike Orechia, Patti Reifel, Michael Rice, Phil Willenbrock

### About the Program

The Physical Education program offers the general university student 40 different activity classes including fitness, recreational activities, sports skills, and dance. It is the goal of the program to promote the development and maintenance of physical fitness as a lifestyle through sport, recreational, and dance activities; to provide the understanding of the physiological importance in physical activity; to provide opportunities to develop one's level of concentration, discipline, and emotional control through skill development and competition; and to promote social interaction now and in the future through sport and recreational participation.

## Course Offerings

### Intercollegiate Varsity Sports

- A. Offered only in one semester at one-half activity unit each. Pass-fail grading only.
- |      |                               |     |                        |
|------|-------------------------------|-----|------------------------|
| 101  | Cross Country (men and women) | 109 | Softball (women)       |
| 102  | Football (men)                | 110 | Crew (men and women)   |
| 103A | Soccer (men)                  | 111 | Golf (men and women)   |
| 103B | Soccer (women)                | 112 | Tennis (men and women) |
| 104  | Volleyball (women)            | 113 | Track (men and women)  |
| 108  | Baseball (men)                | 115 | Lacrosse (women)       |
- B. Offered in both semesters at one-quarter activity unit each. Pass-fail grading only.
- |      |                          |      |                              |
|------|--------------------------|------|------------------------------|
| 105A | Basketball (men)         | 105B | Basketball (women)           |
| 107  | Swimming (men and women) | 114  | Cheerleading (men and women) |

### Activity Courses

(One-quarter activity unit each)

Activity classes are offered four days a week for half a semester or two days a week for the entire semester. Consult the schedule of classes for exact starting dates. *Pass-fail grading only unless otherwise indicated.*

**122 Strength Training and Conditioning** 0.25 + activity unit This course introduces the principles of increasing levels of strength and endurance for the student. Instruction of correct lifting techniques, safety, circuit training, setting up individual weight training workouts, and combining flexibility and endurance within workouts are covered. The student in this course is involved in active participation.

**123 Advanced Conditioning** 0.25 + activity unit This course involves advanced lifting techniques, safety, percentage lifting schedule, progressive flexibility skills, and speed/agility development. Each student is given an individualized training program.

**124 Jogging** 0.25 + activity unit Instruction on physiological benefits and hazards of jogging as well as group participation in off-campus and on-campus runs. Intended for the beginning-intermediate runner. *Prerequisite: Reported good health on a physical not more than one year old.*

**125 Circuit Training** 0.25+ activity unit This course introduces the principles of circuit training, flexibility, and endurance within workouts. Instruction of correct lifting techniques, proper fitting of equipment, and safety are covered. The student in this course is involved in active participation.

**126 Individualized Fitness** 0.25 + activity unit Instruction, periodic testing, and personalized, progressively structured cardiovascular fitness program tailored to each individual's capabilities.

**127 Walking for Fitness** 0.25 + activity unit Instruction on the physiological benefits and techniques of various fitness walking styles. The class includes group and individual walks on and off campus. It is intended for the beginning or intermediate walker. Offered Spring term only.

**129 Adaptive PE Activity** 0.25 + activity unit This class is designed for persons with disabilities who need one-on-one guidance in order to meet their physical education activity objectives. Programs for persons taking this class are individually designed and administered. Persons with disabilities must have medical clearance. *Prerequisite: Permission of director.*

**130 Scuba** 0.25 + activity unit Basic scuba instruction leading to ability to receive certification by the Professional Association of Diving Instructors. Unique consideration: course fee to cover cost of renting certified scuba equipment. Must provide own snorkeling equipment. *Prerequisite: PE 157 or an intermediate level of swimming skills.*

**131 Introduction to Hiking and Backpacking** 0.25 + activity unit This course, which is for the novice or near-novice hiker or backpacker, runs for one half of a semester in the Fall and for a full semester in the Spring. It consists of evening lectures, one day hike, and two overnight hikes. The course covers such topics as proper equipment, the basics of camping, cooking in the outdoors, safety, and wilderness ethics. A primary emphasis of the course is to promote lifetime enjoyment of the natural environment through hiking and backpacking. Unique consideration: course fee to cover cost of food, equipment, and transportation on hikes.

**132 Advanced Alpine Hiking and Backpacking** 0.25 + activity unit This course, which is for the intermediate or advanced hiker, runs for a full semester. The course, in addition to lectures, includes three overnight hikes. The primary emphasis of the course is on cold weather, off-trail travel in the alpine environment. As a result of this, the lecture material leans heavily on one's ability to read the terrain, navigate with and without map and compass, meet mountain emergencies, and plan for the extended backcountry trip. Unique consideration: course fee to cover cost of food, equipment, and transportation on hikes. *Prerequisite: PE 131 or permission of instructor.* Offered Spring term only.

**134 Beginning Rock Climbing** 0.25 + activity unit An introduction to the skills, terminology, and fundamentals of movement utilized in the sport of rock climbing. The class emphasizes safety and movement as well as the basics of climbing-specific training. Upon completion of the course, the individual will possess the necessary skills to utilize the university climbing facility and will have the working knowledge of the basic elements necessary to enjoy rock climbing. Unique consideration: course fee to cover cost of facility fee and harness rental.

**135 Basic Sailing** 0.25 + activity unit This is a basic sailing class that combines twelve hours of classroom lecture with twelve hours of on-the-water experience to develop manual skills and reinforce theoretical lecture material. Graduates of the course will have attained the knowledge and experience base to handle a boat under 25 feet for day sailing in normal weather and will qualify for ASA Basic Sailing Certification. Unique consideration: course fee to cover cost of equipment rental. Not offered term in which Advanced Sailing is available.

**136 Advanced Sailing** 0.25 + activity unit Advanced Sailing picks up where PE 135 left off. Upon successful completion of the course the students will have the understanding, ability, and confidence to handle a moderate sized auxiliary powered sailboat in all pilotable weather conditions from day sails to weekend cruising. A successful student would also be an integral part of any crew he or she might join in the future. Unique consideration: course fee to cover cost of equipment rental. *Prerequisite: PE 135 or consent of instructor.* Offered every other year; not offered 2006-2007.

**137 Beginning Riding** 0.25 + activity unit This class introduces the novice rider to the fundamentals of horsemanship as well as the proper administration of care for the horse and equipment. The two hours a week include one hour of actual riding time in which the student learns to walk, trot, and canter the horse, and one hour of preparing and caring for the horse and equipment. Students are expected to provide their own transportation to stables and appropriate foot gear. Unique consideration: course fee to cover cost of horses and equipment.

## Physical Education

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**138 Intermediate Riding** 0.25 + activity unit This course refines the rider's fundamentals of horsemanship as well as the proper administration of care for the horse and equipment. The student has a more responsible role in caring for the horse. The two hours a week include one hour of actual riding time devoted to refinement of the rider's position and a more sophisticated use of the aids, and one hour of preparing and caring for the horse and equipment. The student needs to be proficient at the walk, trot (posting and sitting), and canter. Unique consideration: course fee to cover cost of horses and equipment. Students provide their own transportation to stables. *Prerequisites: PE 137 and instructor's permission.*

**141 Beginning Bowling** 0.25 + activity unit Instruction in scoring, terminology, and fundamental technique. Unique consideration: course fee to cover rental of the bowling lanes.

**142 Intermediate Bowling** 0.25 + activity unit Introduction to competitive bowling and advanced techniques. Unique consideration: course fee to cover rental of bowling lanes. *Prerequisite: PE 141 or its equivalent.* Offered Spring term only.

**145 Pickleball / Badminton** 0.25 + activity unit This course is designed as a comprehensive overview of the fundamentals of badminton and pickleball in an effort to develop an appreciation within the student for the benefits of participating in these lifetime activities. Emphasis is placed on the acquisition of good skill technique and an understanding of the kinesiological principles of correct form which allows the student to successfully progress to a higher skill level. An understanding of the rules, terminology, basic histories, safety precautions, strategies, and court descriptions as well as the physiological and sociological benefits of the sports is provided. Offered Spring term only.

**146 Martial Arts** 0.25 + activity unit This class introduces students to the general theory of martial arts and offers instructions for basic techniques. The course helps students to determine their specific area of interest for future study and improvement. Students are required to purchase a martial arts uniform. Offered Fall term only.

**147 Tai Chi for Health** 0.25 + activity unit This class introduces students to one of five major styles of Tai Chi exercise, Yang style. Students learn general theory of Tai Chi, basic Yang style techniques (including pushing hands), and a barehanded Yang style form. Students also learn basics of relaxation and Qi exercise (Qi Gong). Offered Fall term only.

**150 Beginning Yoga** 0.25 + activity unit This course introduces basic yoga techniques (postures), breathing practices, and relaxation techniques to the beginning yoga practitioner. During the semester, students work on refining alignment in the asanas, increasing strength and flexibility, and changing stress patterns. In this non-competitive class environment, students are encouraged to challenge themselves while accepting any personal limitations. Alternate postures are taught depending upon individual abilities or needs.

**152 Beginning Golf** 0.25 + activity unit Instruction in scoring, terminology, and fundamental technique. Unique consideration: course fee to cover usage of equipment and facility. Students must provide their own transportation.

**153 Intermediate Golf** 0.25 + activity unit Instruction in history, terminology, safety, etiquette rules, strategy, and intermediate skills of golf. Unique consideration: course fee to cover equipment and facility usage. Students must provide their own transportation. *Prerequisite: PE 152 or its equivalent.* Offered Spring term only.



**156 Swimming for Non-Swimmers** 0.25 + activity unit This class is designed for students who are non-swimmers - those who cannot stay afloat in deep water. Class activities include adjustment to the water, treading, correct breathing, basic water safety, and elementary swimming strokes. *Prerequisite: Should be a non-swimmer - one who cannot stay afloat in deep water.* Offered Spring term only.

**157 Intermediate Swimming** 0.25 + activity unit This class includes students with a wide range of abilities. The course introduces the crawl, back crawl, sidestroke, and breaststroke. Also included are very basic drills and exercises designed to increase strength and endurance in swimming. *Prerequisites: Student should be able to swim a minimum of one pool length (82 feet) and have basic skills in floating, jumping into deep water, elementary and beginner's backstroke, and the human stroke or crawl stroke.* Offered Spring term only.

**158 Advanced Swimming** 0.25 + activity unit This course is intended for the better than average swimmer and includes instruction and drills in the crawl, back crawl, breaststroke, sidestroke, and butterfly. Also included are distance swims, "repeat" and "interval" training sessions. *Prerequisite: PE 157 or be able to pass Red Cross Intermediate Swimming test.*

**159 Lifeguard Training** 0.25 + activity unit Lifesaving techniques leading to certification by the American Red Cross in Lifeguard Training. Requires above average swimming ability, particularly in sidestroke, breaststroke, underwater swimming, and swimming endurance. *Prerequisite: Ability to pass the equivalent of the Red Cross Swimmer test.* Offered Fall term only.

**161 Beginning Tennis** 0.25 + activity unit Introduction to the fundamental skills, rules and terminology of tennis. Emphasis is placed on the development of good technique in the serve, forehand, and backhand. Unique consideration: Students must provide their own racquets.

**165 Beginning Racquetball** 0.25 + activity unit This class is designed to teach the basic fundamentals, which includes a brief history, safety measures, the rules, the basic stroke, and some basic strategies of playing the game of racquetball. Students must provide their own racquets. Offered Fall term only.

**166 Intermediate Racquetball** 0.25 + activity unit The class is designed to provide advanced skills and strategies of the game. Unique consideration: Students must provide their own racquets. *Prerequisites: PE 165 or appropriate skill level.* Offered Spring term only.

**180 Beginning Ballet** 0.25 + activity unit A study of the basic theories and techniques of classical ballet wherein the historic vocabulary of ballet is taught. Beginning ballet is designed for the beginning ballet student with no previous dance training. Offered Fall term only.

**181 Intermediate Ballet** 0.25 + activity unit A continuation of beginning ballet, introducing intermediate level ballet technique, including the first level of the study of *pas de deux*. Designed for the student with a background in ballet. *Prerequisite: PE 180 or its equivalent.* Offered Spring term only.

**183 Beginning Jazz Dance** 0.25 + activity unit A course designed to teach the techniques and rhythms of jazz dance at the beginning level. Emphasis is placed on contemporary jazz with a background in the evolution of jazz dancing. Beginning jazz dance is designed for the student with no previous dance experience. Offered Fall term only.

## Physical Therapy

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**184 Intermediate Jazz Dance** 0.25 + activity unit A continuation of beginning jazz dancing introducing intermediate level jazz techniques and rhythms. Designed for the student with a background in dance. *Prerequisite: PE 183 or its equivalent.* Offered Spring term only.

**186 Folk Dance** 0.25 + activity unit This course is designed for the beginning and intermediate dancer. A variety of international dances are taught at the beginning-intermediate level. Offered Spring term only.

**187 Ballroom Dancing** 0.25 + activity unit A beginning level class in the study of the theories and methods of contemporary ballroom dancing. The elementary patterns of six ballroom dances are explored. This course is designed for the student with no previous dance training. Offered Fall term only.

**188 Aerobics Dance / Step Aerobics** 0.25+ activity unit This course incorporates aerobic dance and step aerobics to improve total fitness (i.e. cardiovascular endurance, strength, and flexibility) and to provide an understanding of the physiological benefits of safe aerobic exercise.

**196 First Aid and CPR** 0.25 + activity unit This class is conducted following the guidelines of the American Red Cross, Department of Transportation, American Heart Association, and American Academy of Orthopaedic Surgeons. Emphasis is placed upon the body's reaction to trauma and the causes, immediate recognition and early care of medical conditions and injuries. Certification in Cardio-Pulmonary Resuscitation (CPR) is also included. Unique consideration: course fee. Offered Spring term only.

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## PHYSICAL THERAPY

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Professor: Kathleen Hummel-Berry, *Director* (on leave Fall 2006)

Associate Professor: Roger Allen

Clinical Associate Professor: Sarah Westcott McCoy; Ann Wilson (*Acting Director, Fall 2006*)

Visiting Clinical Assistant Professor: Kathleen Schultze

Academic Coordinator of Clinical Education: Roger Williams

Adjunct Clinical Assistant Professor: Carol Ann Davidson

### The Doctor of Physical Therapy Program

The Physical Therapy Program offered by the School of Occupational Therapy and Physical Therapy is a post-baccalaureate graduate program leading to Doctor of Physical Therapy degree (DPT). The program is designed to educate an entry-level physical therapist. That is, the graduate student studies to enter the profession and does not study a specialty within the profession.

A baccalaureate degree is prerequisite for matriculation to the Doctor of Physical Therapy Program. Students may prepare themselves for graduate work in physical therapy while following any undergraduate major. Diversity of educational background is desirable among potential physical therapists. A broad-based undergraduate education is an integral part of physical therapy education. Although any undergraduate degree may lead to the successful study of physical therapy, the student must demonstrate appropriate mastery of the prerequisite courses, which are CHEM 110 (Fundamental Chemistry I); either CHEM 111 (Fundamental Chemistry II) or CHEM 230 (Chemical Analysis and Equilibrium); PHYS 111/112 (General College Physics); EXSC 221/222 (Anatomy and

Physiology); MATH 160 (Elements of Applied Statistics) or equivalent; and any one of CSOC 206 (Deviance and Social Control), CSOC 370 (Disability, Identity, and Power), PSYC 101 (Introduction to Psychology), or PSYC 295 (Abnormal Psychology) or equivalent. (Please note that EXSC 221 carries a prerequisite of BIOL 111 or equivalent.) All prerequisites must be completed prior to enrollment in the Physical Therapy Program. Students who have completed prerequisite coursework more than 10 years prior to enrollment in the Physical Therapy Program should submit a letter explaining how they have kept the prerequisite knowledge current.

Please note that many more applications are received for each class than there are spaces available and that admission to the University of Puget Sound does not guarantee admission to the Physical Therapy Program. However, applicants who have been or who will be granted an undergraduate degree from Puget Sound and who are competitive within the applicant pool are offered admission prior to transfer students.

For information concerning application procedures and acceptance to degree candidacy, see the Department of Physical Therapy Web site at [www.ups.edu/pt](http://www.ups.edu/pt). For information on the completion of degree requirements for the graduate program in Physical Therapy see the *Graduate Bulletin*. The course sequence for the DPT and course offerings are described in both resources.

## Undergraduate Course Offerings

Unless otherwise specified, each course carries 1 unit of credit and is offered at least once each academic year. Please see “Frequency of Course Offerings” on page 16.

**First-Year Seminars.** See *First-Year Seminars in the Core Curriculum* section of this Bulletin for course descriptions (page 17 and 29).

### *Scholarly and Creative Inquiry* 110 Analyzing Health Care

**101 Introduction to OT / PT** 0.25 unit This course functions as an advising section for students interested in exploring the fields of occupational therapy and physical therapy in addition to the liberal arts and sciences. There are two major objectives in the course: 1) to define the roles and functions of occupational therapists and physical therapists in a variety of settings, and 2) to explore students’ alternative academic interests to ensure that their courses of study will be chosen in a well-informed and considered way.

**Note:** This course is *not* required for either the OT or the PT program, nor will it meet any requirements for those degrees.

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## PHYSICS

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Professor: Gregory Elliott (on leave 2006-2007); James Evans; Andrew Rex; Alan Thorndike, *Chair*

Assistant Professor: Amelia VanEngen Spivey; Rand Worland

Visiting Assistant Professor: James Bernhard; Paul Weber

Instructor: Bernard Bates

## About the Department

The department addresses the needs of physics majors, Dual Degree Engineering students, and other science majors. The department also supports the university’s liberal arts emphasis by pro-

# Physics

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viding coursework for students majoring in all areas, in order to broaden their intellectual reach. Several courses for non-science majors focus on the historical development of scientific ideas and the connection of physics with other realms of human endeavor.

The mission of the Department of Physics is to educate undergraduate students in the fundamental ideas and methods of physics. The department strives to provide an environment of scientific inquiry and discovery on the part of both students and faculty. It offers a curriculum of classical and modern physics that prepares students for careers as scientists and citizens. Students who complete a Physics major acquire an understanding of the principles of mechanics, optics, electromagnetism, quantum mechanics, and relativity. They will be experienced problem solvers, adept at translating a physical situation into a mathematical problem. They will have experienced the satisfaction and frustration of experimental work. They will be able to learn from books.

The Bachelor of Science and the Bachelor of Arts degrees are both appropriate for students who are planning advanced studies in physics or are interested in careers in engineering, biophysics, astronomy, meteorology, oceanography, geophysics, mathematical physics, education, law, environmental physics, and the history and philosophy of science.

Independent research projects and senior thesis presentations are encouraged of all Physics majors. Students who complete distinguished projects will be eligible for graduation with Honors in Physics.

## General Requirements for the Major or Minor

General university degree requirements stipulate that 1) at least four units of the major or three units of the minor be taken in residence at Puget Sound; 2) students earn a GPA of 2.0 in courses taken for the major or the minor; and 3) all courses taken for a major or minor must be taken for graded credit. Any exceptions to these stipulations are indicated in the major and minor degree requirements listed below.

## Requirements for the Major

Before declaring a physics major, students should schedule an appointment with the department chairperson. This will usually be held during a student's fourth semester.

### Bachelor of Science

1. PHYS 121, 122, 212, 221, 305, 351, and 352, and two of the following electives: 222, 231, 232, 262, 310, 322, 411, 412;
2. MATH 180, 181, 280, 290, and 301.

### Bachelor of Arts

1. PHYS 121, 122, 212, 221, and 231, and four of the following electives: 222, 232, 262, 305, 310, 322, 351, 352, 411, 412;
2. MATH 180, 181, 280, 290, and 301.

### Bachelor of Arts (Engineering, Dual Degree)

1. PHYS 121, 122, 221, 305, 351, and two additional upper-division (212 or higher) courses;
2. MATH 180, 181, 280, 290, and 301, or equivalent;
3. CHEM 110 and 230; and
4. CSCI 161, or equivalent.

**Note:** Degree is awarded upon completion of Baccalaureate in Engineering.

## Requirements for the Minor

Physics 121/122 (or 111/112); three additional units at least one of which must be at the 300 level or higher. (Ordinarily Physics 105, 106, 107, 109, and 110 will not satisfy these requirements.)

**Note:** The Physics Department does not restrict the applicability of courses to major or minor requirements based on the age of the course.

## Course Offerings

Unless otherwise specified, each course carries 1 unit of credit and is offered at least once each academic year. Please see “Frequency of Course Offerings” on page 16.

**First-Year Seminars.** See *First-Year Seminars in the Core Curriculum* section of this Bulletin for course descriptions (pages 17 and 29).

### *Scholarly and Creative Inquiry*

**103 The Search for Extraterrestrial Intelligence**

**104 Symmetry in Scientific Thought**

### Other courses offered by Physics Department faculty

**CONN 348, Strange Realities: Physics in the Twentieth Century**

Satisfies the Connections core requirement.

**HON 212, Origins of the Modern World View**

Satisfies the Natural Scientific Approaches core requirement.

**STS 314, Cosmological Thought**

Satisfies the Connections core requirement.

**STS 341, Modeling the Earth’s Climate**

Satisfies the Connections core requirement.

**STS 345, Physics in the Modern World: Copenhagen to Manhattan**

Satisfies the Connections core requirement.

**STS 361, Mars Exploration**

Satisfies the Connections core requirement.

**105 Historical Development in the Physical Sciences** An introduction to the developments of physics from the Renaissance to the modern day. The emphasis is on how ideas about nature are formed and why they change. A weekly laboratory session provides an opportunity to perform experiments and report results. Credit for PHYS 105 will not be granted to students who have completed HON 212. Satisfies the Natural Scientific Approaches core requirement.

**107 Light and Color** An introduction to the science of light, color, and vision with emphasis on laboratory investigation of phenomena relevant to color production and perception. Topics include the nature of visible light, light sources and detectors (including the eye), additive and subtractive color mixing, and the formation and perception of images. The history of theories of light and color is discussed along with current applications to photography and technology. A weekly laboratory is required. Satisfies the Natural Scientific Approaches core requirement.

**109 Astronomy** A survey of descriptive and physical astronomy, which are given roughly equal stress. Descriptive astronomy involves time reckoning, calendars, and the motions of the sun, moon, and planets. Physical astronomy deals with the composition and origin of the planets and solar system, as well as the evolution of stars and galaxies. A weekly laboratory is required. Satisfies the Natural Scientific Approaches core requirement.

## Physics

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**111 / 112 General College Physics** This two-semester sequence of courses is designed for any interested student regardless of his or her major. The fundamental branches of physics are covered, including mechanics, heat, sound, optics, electricity, magnetism, and nuclear physics. Although it is assumed that the student brings only a background of high school algebra and geometry, additional mathematical concepts are developed within the course. A weekly laboratory is required. Credit for PHYS 111 will not be granted to students who have completed PHYS 121; credit for PHYS 112 will not be granted to students who have completed PHYS 122. Each course satisfies the Natural Scientific Approaches core requirement.

**121 General University Physics** Fundamental principles of mechanics, gravity, and wave motion are treated. A weekly laboratory is required. Satisfies Natural World and Natural Scientific Approaches core requirements. Credit for PHYS 121 will not be granted to students who have completed PHYS 111. *Prerequisite: MATH 180 (may be taken concurrently).*

**121MA General University Physics (integrated with Calculus and Analytic Geometry II)** Fundamental principles of mechanics are treated, including rotational motion and oscillations. A weekly laboratory is required. This is the physics portion of an integrated class and must be taken with MATH 122PH. Satisfies the PHYS 121 requirement for a physics major or minor. Credit for PHYS 121 will not be granted to students who have completed PHYS 111. *Prerequisite: MATH 180 or its equivalent.* Satisfies the Natural Scientific Approaches core requirement.

**122 General University Physics** Fundamental principles of heat, electricity, magnetism, and optics are treated. Topics from the early twentieth century are introduced, leading to the Bohr model of the atom. A weekly laboratory is required. Credit for PHYS 122 will not be granted to students who have completed PHYS 112. *Prerequisite: PHYS 121 and MATH 181 (may be taken concurrently).* Satisfies the Natural Scientific Approaches core requirement.

**122MA General University Physics (integrated with Multivariable Calculus)** Fundamental principles of gravitation, electricity, magnetism, waves, and optics are treated. A weekly laboratory is required. This is the physics portion of an integrated class and must be taken with MATH 221PH. Satisfies the PHYS 122 requirement for a physics major or minor. Credit for PHYS 122 will not be granted to students who have completed PHYS 112. *Prerequisites: MATH 181 or its equivalent and PHYS 121 or its equivalent.* Satisfies the Natural Scientific Approaches core requirement.

**205 Physics of Music** This course is intended primarily for students having some background in music. The scientific aspects of musical sound are treated including the basic physics of vibrating systems, wave phenomena, and acoustics and their applications to musical instruments and musical perception. A weekly laboratory is required. *Recommended: one semester of college-level music theory, formal music training, or permission of instructor.* Satisfies the Natural Scientific Approaches core requirement.

**212 Waves and Optics** The physics of waves is studied with emphasis on the wave nature of light. The mathematical methods are developed for describing propagating waves, standing waves, the spectral decomposition of light, interference, diffraction, and polarization. A weekly laboratory is required. *Prerequisite: PHYS 122.*

**221 Modern Physics I** This course is an introduction to twentieth-century physics, concentrating on special relativity and statistical physics. Applications to atomic, nuclear, and solid state physics are stressed. A weekly laboratory is required. *Prerequisites: PHYS 122 and MATH 280 (may be taken concurrently).* Satisfies the Natural Scientific Approaches core requirement.

**222 Modern Physics II** This course is a continuation of PHYS 221. In this semester the development of quantum theory in the first third of the twentieth century is studied in detail. Applications to current research are examined. A weekly laboratory is required. *Prerequisite:* PHYS 221. Satisfies the Natural Scientific Approaches core requirement.

**231 Circuits and Electronics** This course is intended to teach the fundamental behavior of electronic components and their applications in various circuits. A balance of lecture and laboratory experience demonstrates the practical method of investigation of electronic devices. Original design of electronic circuits is emphasized. Topics include AC and DC circuit analysis, amplifiers, active and passive filters, operational amplifiers, and digital electronics. Not offered 2006-2007.

**232 Digital Electronics and Computer Hardware** This course offers each student practical experience with modern integrated circuits, including a representative microprocessor. Emphasis is on interfacing the microprocessor with external hardware for data acquisition and process control. It serves all students who need familiarity with digital instrumentation or who need an understanding of the electronic devices that make up a computer system. Crosslisted as CSCI 232. Not offered 2006-2007.

**262 Computational Tools for Physics** This course introduces students to common techniques and tools for finding and exploring the solutions to physical problems using computational tools. Students gain a working familiarity with software packages commonly used in physics and other sciences such as *Mathematica* (primarily for symbolic manipulations and graphing), MATLAB (primarily for numerical and array manipulations and graphing), LaTeX (for precise scientific word processing), Numerical Recipes using C programming languages (for numerically solving problems). Students learn to apply these tools to all branches of physics throughout their career. Extensive programming experience is not required. Laboratory required. *Prerequisites:* PHYS 121, 122, and 221, or permission of instructor. Not offered 2006-2007.

**299 The History and Practice of Ancient Astronomy** This course treats the ancient astronomical tradition from its beginnings around 700 BC down to its culmination in the astronomical Renaissance of the sixteenth century. Attention is devoted not only to the emergence of astronomy as a science, but also to the place of astronomy in ancient life, including its use in timetelling, and its affiliations with literature and philosophy. The treatment of ancient technical astronomy is thorough enough to permit the student to apply ancient techniques in practical problems, e.g., in the design of sundials and the prediction of planet positions. Concrete models and scale drawings are used to deepen understanding and to simplify analysis, but some geometry is required. *Prerequisite:* One course satisfying the Humanistic Approaches core. Satisfies the Natural Scientific Approaches core requirements

**305 Analytical Mechanics** This introduction to mechanics begins with the formulation of Newton, based on the concept of forces and ends with the formulations of Lagrange and Hamilton, based on energy. The undamped, damped, forced, and coupled oscillators are studied in detail. *Prerequisites:* PHYS 122, MATH 301, or permission of instructor.

**310 Statistical Mechanics and Thermodynamics** Newtonian mechanics and methods of probability are combined and used to gain new insights regarding the behavior of systems containing large numbers of particles. The concept of entropy is given new meaning and beauty. Certain properties of metals and gases are derived from first principles. The analysis of spectra leads to the initial development of the quantum theory and the statistics obeyed by fundamental particles. This course assumes a knowledge of calculus. *Prerequisites:* PHYS 305 and MATH 280, or permission of the instructor. Not offered 2006-2007.

## Politics and Government

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**322 Experimental Physics** An introduction to experimental physics, involving independent work on several physical systems. *Prerequisite: PHYS 221 or permission of instructor.* Not offered 2006-2007.

**351 Electromagnetic Theory** Theory of electrostatic and magnetostatic fields is discussed, with emphasis on the theory of potential, harmonic functions, and boundary value problems. *Prerequisites: PHYS 122, MATH 280 and 301.*

**352 Electromagnetic Theory** This is a continuation of 351, emphasizing radiation, the propagation of electromagnetic waves, and the theory of special relativity. *Prerequisite: PHYS 351.*

**411 / 412 Quantum Mechanics** This is a mathematical development of the quantum theory of matter. *Prerequisites: PHYS 305, 351; MATH 301.*

**491 / 492 Senior Thesis** Credit, variable Research may be undertaken under the supervision of a faculty member on a topic agreed upon and described in a proposal to the supervising instructor.

**493 / 494 Special Topics in Theoretical Physics** Advanced topics in mechanics, optics, quantum mechanics, or other fields are studied. This course is offered in response to student interest in particular advanced topics. *Prerequisites: PHYS 305, 351, or permission of instructor.*

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## POLITICS AND GOVERNMENT

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Professor: Karl Fields; William Haltom; Arpad Kadarkay; Donald Share (on leave Spring 2007); David Sousa

Associate Professor: Lisa Ferrari (on leave Spring 2007); Patrick O'Neil *Chair*

Assistant Professor: Melissa Bass; Carlo Bonura, *Luce Assistant Professor of Islamic Societies in Southeast Asia* (on leave 2006-2007); Daniel Sherman, *Luce Assistant Professor of Environmental Policy and Decision Making*; Seth Weinberger

### About the Department

The Department of Politics and Government aims to acquaint students with the theoretical and empirical aspects of political experience. It seeks to develop an intelligent awareness and understanding of the processes, structures, institutions, and ideas of politics. Students who major in Politics and Government 1) develop the ability to think critically and analytically about politics and go beyond description and categorization in search of explanation; 2) appreciate the complexities of human behavior and the interrelated nature of knowledge; 3) become capable of evaluating political ideas; 4) start the process of articulating a set of personal political values; 5) develop the ability to communicate the knowledge and understanding of politics gained through curricular and extracurricular experiences; and 6) acquire skills necessary for entry into various postgraduate programs or careers in public service or in the private sector.

To enhance efforts toward attaining these objectives, the department has implemented a cohesive program of study for its majors, minors, and other interested students within the university community.

### General Requirements for the Major or Minor

General university degree requirements stipulate that 1) at least four units of the major or three units of the minor be taken in residence at Puget Sound; 2) students earn a GPA of 2.0 in courses taken for the major or the minor; and 3) all courses taken for a major or minor must be taken for



graded credit. Any exceptions to these stipulations are indicated in the major and minor degree requirements listed below.

## Requirements for the Major

1. Completion of a minimum of ten units in the Department of Politics and Government to include
  - a. Three 100-level courses (101, 102, 103, or 104);
  - b. PG 250;
  - c. Five 300-level courses, three of which must be taken in the student's area of concentration within the discipline:  
U.S. Politics: PG 306, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319  
Comparative Politics: PG 315, 321, 322, 323, 325, 327, 328, 336, 339, 371, 372; IPE 380  
International Relations: PG 322, 331, 332, 334, 335, 336, 337, 338, 339, 372; IPE 380  
Political Theory: PG 340, 341, 344
  - d. One 400-level Research Seminar in the student's area of concentration;
  - e. One statistical methods course (MATH 160 or equivalent) or completion of one unit of Chinese, French, German, Greek, Latin, Japanese, or Spanish at the 201 level or above (or other languages approved by the department).

**Note:** PG 497 does not count towards the major. Independent study and IPE upper-division courses may count toward the major with approval of the department.

2. At least five units of the total must be completed at Puget Sound.
3. Any deviation from these requirements requires written approval by the Politics and Government faculty meeting as a whole.

## Requirements for the Minor

1. Completion of a minimum of five units in the Department of Politics and Government to include
  - a. Two 100-level courses (101, 102, 103, or 104);
  - b. Three units at the 300 level. One course may be at the 400 level (except 497);
2. Any deviation from these requirements requires written approval by the Chair of the Politics and Government Department.

**Note:** The Politics and Government Department will determine on a case-by-case basis the acceptability of courses that may be applied to a major or minor based on the age of the course.

## Course Offerings

Unless otherwise specified, each course carries 1 unit of credit and is offered at least once each academic year. Please see "Frequency of Course Offerings" on page 16.

**First-Year Seminars.** See *First-Year Seminars in the Core Curriculum* section of this Bulletin for course descriptions (pages 17 and 29).

### *Scholarly and Creative Inquiry*

- 111 **The Constitution in Crisis Times: From the Civil War to the War on Terrorism**
- 131 **Islam and Its Contexts**
- 137 **Politics of Terror**

### Other courses offered by Politics and Government Department faculty

#### ASIA 344, *Asia in Motion*

Satisfies the Connections core requirement.

#### CONN 315, *Democracy, Ancient and Modern*

Satisfies the the Connections core requirement.

**101 Introduction to U. S. Politics** This course introduces students to the institutions and processes of U. S. politics. It covers all of the fundamental principles and important decision makers, giving to students the necessary breadth and understanding to take more advanced and more specialized courses. In addition, it prepares students to evaluate the guiding values of the polity, both in theory and in practice. Satisfies the Social Scientific Approaches core requirement.

**102 Introduction to Comparative Politics** An introduction to the basic vocabulary, concepts, and classification systems of comparative politics. Contemporary nation-states are divided into different categories or types. Specific countries, representing each type of nation-state, are studied with respect to their political ideologies, political institutions, political histories, and political cultures. The specific focus of this offering may vary depending on the instructor, and prospective students may wish to consult the instructor. Satisfies the Social Scientific Approaches core requirement.

**103 Introduction to International Relations** In focusing on how nations deal with each other, attention is given to the interaction of political, economic, social, and cultural factors that influence the international distribution of power and wealth and that contribute to world conflict; theories and concepts related to military-strategic doctrines, economics, national sovereignty, and ideologies. Satisfies the Social Scientific Approaches core requirement.

**104 Introduction to Political Theory** This course is designed to provide an introduction to the enduring figures and texts of ancient, classical, and modern political thought (such as Plato, Locke, Hobbes, Machiavelli, Marx, Rousseau, Wollstonecraft, and Du Bois) that enhance our understanding of the formation of political community. Course readings allow students to investigate crucial themes in the development of political theory, including political authority, sovereignty, citizenship, and political identity and behavior. Satisfies the Social Scientific Approaches core requirement.

**250 Methods, Analysis, and Argument in Political Literature** This course trains majors in approaches and methods that will be most helpful in upper-division coursework. Topics and format vary with instructor, so majors are encouraged to consult with instructors before enrolling. *Prerequisites: Any two introductory courses (PG 101 through 104).*

**307 Citizen Politics and Civic Engagement in the U.S.** This course focuses on two large questions: What does it mean to be an engaged citizen and what difference does this make for American democracy? Over the last decade scholars have increasingly stressed the importance of civic engagement in the context of recent changes in the kind and quantity of citizen involvement in community, public, and political life. Students learn and draw upon a variety of analytical tools – including theoretical, historical, survey research, case study, and experiential learning approaches – to understand the structures, opportunities, and constraints on effective civic action in a range of settings, including the settings in which they find themselves. *Prerequisite: PG 101.* Offered every third year.

**309 Environmental Politics and Policy in the United States** This course assesses the origins and impact of environmental consciousness in the United States since the 1960s. It has three parts: First, students examine the many forms that environmental consciousness has taken in the United States and the relationship between those ideological forms and other key values that have helped define the American polity. The class explores the ways that the various forms of environmental consciousness can and cannot be squared with the dominant liberal tradition. Second, the class focuses on key political manifestations of the new environmental movement: its impact on the political agenda and on perceptions of risk; the development of large interest groups out of the social movements of the 1960s and early 1970s; its electoral weight; conflict and cooperation with business and labor interests; and rising concerns about environmental justice. Finally, students assess some effects of the wave of environmental legislation enacted since the first Earth Day. They evaluate the performance of the institutions charged with implementing selected environmental laws, the impact of these laws and regulations on key indicators of environmental quality, and the costs and benefits of various approaches to environmental regulation and the management of natural resources. Throughout the course students are asked to assess the extent to which the politics of environmental concern have changed - or hold out the potential to change - American politics and the political economy. *Prerequisite:* PG 101. Offered every third year.

**310 Presidency and Congress** The course focuses on the historical development of the legislative and executive branches, focusing on the interactions between Congress and presidents in policy making process. Some offerings of the course focus heavily on the presidency, and others are more focused on Congress; recent offerings have used a single presidency as a long case study of problems in presidential leadership and the workings of the legislative and executive branches. Prospective students may wish to consult the instructor. *Prerequisite:* PG 101. Offered at least every other year; offered Fall 2006.

**312 Parties, Elections, and Campaigns** In a government based on “the consent of the governed,” elections are fundamental. They provide citizens with the opportunity to choose their leaders, and in the process pass judgment on the past performance of officials and broadly indicate the direction they want government to take in the future. This course approaches the study of parties, elections, and campaigns through the lens of presidential and congressional elections, focusing on the purpose, process, and problems of electing our nation’s leaders. It looks at how the system works, how it came to be, what citizens want it to accomplish and what it in fact accomplishes, and what the possibilities and limits of reform may be. At the end of the course, students should be able to give an in-depth, well reasoned, and historically informed answer to the question, “Is this any way to run a democracy?” *Prerequisite:* PG 101. Offered every other year; offered Fall 2006.

**313 American Constitutional Law** Examination of the role of the Supreme Court in the American constitutional systems with particular emphasis on its role in establishing a national government and national economy, and in protecting the rights of individuals. Views Supreme Court from historical, political, and legal perspectives to understand its responses to changing interests and conditions. *Prerequisite:* PG 101. Offered every other year; offered Spring 2007.

**314 U.S. Public Policy** There is widespread pessimism about the performance of American national government over the last 35 years. This course examines this gloomy conventional wisdom, exploring its analytical and ideological roots and its critique of American political institutions and public policy. The class then interrogates it, first by examining contrary arguments and evidence and then in a series of student-led case studies of government performance in specific policy areas. Students produce major term papers that assess the successes and failures of some

public policy. The course aims at helping students to come to grips with the complexities of policymaking, the strengths and weaknesses of national governmental institutions, and the extent to which the pessimism that marks so much of contemporary political discourse is justified. *Prerequisite: PG 101.*

**315 Law and Society** This course introduces students to the nature, functions, and processes of law. The course surveys criminal and civil trials in the U.S., England, and France, appellate deliberations in several countries, constitutional courts and public law, and specific extra-judicial legal institutions. The latter third of the course details lessons of the first two-thirds by case study of litigation in the United States. *Prerequisite: PG 101.* Offered every other year; offered Fall 2006.

**316 Civil Liberties** The course surveys the state of civil liberties in the U.S. and the world. Primary emphasis is given to institutions in the United States and how they enforce, obstruct, or affect the protection of civil liberties. Specific topics include free expression, free belief, freedom of religion, and emerging rights and claims. *Prerequisite: PG 101.* Offered every other year; not offered 2006-2007.

**317 U.S. Political Economy** This course focuses on questions about the relationship between capitalism and democracy and the ways that the harmonies and tensions between these great systems - and the broad process of "creative destruction" given us by the dynamism of the market - give shape to contemporary politics. The course explores theoretical perspectives on the relationship between the state and the market, the idea of American exceptionalism and challenges to market values that have emerged within the American political tradition, theories of justice and public attitudes about the legitimacy of market outcomes, and the political, social, and cultural consequences of economic change. *Prerequisite: PG 101.* Offered every other year; not offered 2006-2007.

**318 Public Opinion** This course introduces students to the theory and practice of research about public opinion. Students learn about the creation and manipulation of public opinion, its measurement and study, and the implications of findings for the practice of democratic republicanism in the U.S. and abroad. Instruction includes projects in survey research and content analysis, so that students master the techniques of public opinion research as well as the theories. *Prerequisite PG 101.* Usually offered every third year; offered Spring 2007.

**319 Women in American Politics** The first part of this course examines the role of women in American politics from a historical perspective, considering how the interaction between women's activism and political norms and institutions has shaped American politics. The second part of this course analyzes the implications of women's activism for contemporary American politics, first examining women's experiences as voters, candidates, activists, and office holders, and second assessing public policy changes that deal with women both directly and indirectly. Throughout, the course considers the roles that race, ethnicity, class, religion, and sexuality play in shaping women's individual and collective political behavior. *Prerequisite: PG 101.* Offered every third year; not offered 2006-2007.

**320 Islam and Politics in Southeast Asia** This course introduces students to contemporary Muslim politics in Southeast Asia (especially in Indonesia, Malaysia, Thailand, the Philippines, and Singapore). In this thematic survey of Muslim politics in the post-World War II period (specifically focusing on events and trends since the beginning of the 1980s) some central topics of the course include Muslim electoral politics, the development of Muslim civil associations in the ongoing formation of civil society, the politicization of Islamic education, political violence and

Muslim separatism, and regional responses to the “War on Terrorism.” Although no knowledge of Muslim politics or Southeast Asian politics is necessarily required, as this is an upper-division seminar, students are required to work through challenging readings and develop comparative analyses designed to explore questions of political Islam in the region. *Prerequisites: PG 102, or 103, or permission of the instructor.* Offered every other year; not offered 2006-2007.

**321 European Political Systems** An overview of the political systems of Europe that covers both the advanced industrial democracies of Western Europe and the emerging democratic regimes of Eastern Europe. The focus of this course is comparative, and students should expect to study a number of substantive themes such as the decline of “postwar settlement” and the crisis of the welfare state, the decline of party politics and the rise of “single-issue” movements, the move toward a more comprehensive European union, and the democratization and “marketization” of East European nations. Different instructors may decide to focus on one or more themes and /or one or more regions of Europe. *Prerequisite: PG 102.* Offered every other year; offered Spring 2007.

**322 The Politics of Central America and the Caribbean** This is a comparative politics course exploring the modern political systems of Central America and the Caribbean. The course focuses on Central America’s political turmoil during the Cold War and its return to democracy since then. The course also examines the Cuban political system and the prospects for democratization there. *Prerequisite: PG 102.* Offered every other year; not offered 2006-2007.

**323 Asian Political Systems** A comparative analysis of the political economies of the four Asian “mini-dragons”: Taiwan, South Korea, Singapore, and Hong Kong. The course begins with a survey of China’s, Japan’s, and the United States’ role in Asia and then places each of the mini-dragons in comparative perspective. *Prerequisite: PG 102 or permission of instructor.* Offered every third year; not offered 2006-2007.

**324 Sovereignty and Political Community in Muslim Politics** This course focuses on the tension between opposition and authority in Muslim politics. As contexts for understanding this tension, the course is divided into an introduction to theories of sovereignty in classical Islamic thought and an analysis of political community within contemporary politics including the themes of electoral politics, public debates over apostasy, politics surrounding the concept of an Islamic state. Although examples are taken from across the Muslim world, readings focus primarily on Muslim politics in Southeast Asia. *Prerequisites: PG 102, PG 104, or permission of instructor.* Offered every other year; not offered 2006-2007.

**325 South American Politics** The course is a comparative examination of politics in South America. It provides an overview of the main political actors in the region, as well as the main challenges to democratic rule. *Prerequisite: PG 102.* Offered every other year; not offered 2006-2007.

**327 Post-Soviet Politics** The post-communist countries of the former Soviet Union have confronted a number of challenges in the 1990s: economic transformation and democratization, nationalism and ethnic conflict, international pressures and changes in the social fabric of their very societies. Some have weathered these changes relatively well, or at least better than many expected; other countries seem to be slowly eroding under these intense forces. What is the explanation for a country’s success after post-communism? Is it a question of the right “recipe,” of taking the right steps, or is the future of the country largely determined by its past? How will this ongoing transition in the former Soviet Union influence world politics? The central objective of the course is to provide students with the tools by which they can come to their own conclusions

## Politics and Government

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about the region. The course covers some of the theoretical and historical factors that helped create what was termed “existing socialism,” and how this socialism was carried out in practice. Why this system eventually failed is the next area of consideration, as the class looks at the decline of communism in Europe. Finally, the course turns to some of the challenges involved in building democratic states and market economies, with specific reference to a number of countries in the region. *Prerequisite: PG 102.* Offered every three years; not offered 2006-2007.

**328 Theories of Comparative Political Economy** This course offers an intellectual history of the evolution of the interdisciplinary research program known as comparative political economy. Students examine the classical theories of eighteenth- and nineteenth-century political economy and political sociology (Smith, Marx, Spencer, Durkheim, Weber), post-WWII neoclassical theories of modernization and development, and theoretical approaches at the global level in the wake of the collapse of the dominant modernization paradigm. Students then apply these theories to contemporary puzzles of political economic change and address the broader issue of the growth of knowledge in the social sciences. *Prerequisite: PG 102, or IPE 201, or permission of instructor.* Offered every third year; not offered 2006-2007.

**329 Politics of Thatcher and Blair in Comparative Perspective** This is a course on modern British politics with a comparative focus on two extraordinarily important prime ministers: the Conservative Margaret Thatcher and the Labourite Tony Blair. Both leaders advocated fundamental reform of the British political system and both were extremely controversial. Through this comparison students gain an understanding of the workings of British politics, the main issues dividing the UK, and the nature of successful leadership. Offered Spring 2007 only as part of the ILACA London program.

**331 U.S. Foreign Policy** The roots and extent of America’s involvement in world affairs; ideological, institutional, and strategic factors shaping U.S. foreign policy since WWII. America’s responsibility and influence on global conditions. Approaches to analyzing American foreign policy. *Prerequisite: None; PG 103 strongly recommended.*

**332 International Organizations** A theoretical and practical examination of the role played by a number of international and regional organizations in the international system today. Comprehensive study of a number of international organizations including the United Nations. *Prerequisite: None; PG 103 strongly recommended.*

**334 Ethics in International Relations** This course focuses on the role of ethics and moral arguments in international relations. The dominant theoretical traditions in international relations give little attention to moral and ethical concerns. This course examines the status and potency of individuals’ moral and ethical preferences in international politics, the capacities of social institutions such as churches to affect international politics, and efforts to justify war on moral and ethical grounds. *Prerequisite: PG 103.*

**335 Global Security** This course explores evolving threats to global peace and stability in the post-Cold War era. The class tests the efficacy of traditional theories about international conflict through the examination of a number of contemporary security problems. Attention focuses on issues that are persistent, politically explosive, and global in scope, such as nationalism, migration, and environmental problems. All have potential for generating violent conflict in the world today. *Prerequisite: PG 103.*

**336 Terrorism and Globalization** This course proceeds from the hypothesis that contemporary terrorism is a “post-modern” development, a response to the forces of globalization. The course

looks at the dilemmas involved in growing globalization and the resistance to it, and to what extent this threatens international security and democracy at home. *Prerequisites: PG 102 or PG 103.* Offered every other year; offered Fall 2006.

**337 U.S. – Canadian Relations** This course examines the current relationship between the United States and Canada. After a brief overview of U.S. and Canadian political institutions, and initial efforts to distinguish American and Canadian political culture, this course then focuses on contemporary issues in the complex political, economic and social relationship between the two states. *Prerequisites: PG 102 or PG 103.* Offered every other year; offered Fall 2006.

**339 Globalization in Southeast Asia** This course offers a critical overview of the social implications of global transformations on Southeast Asian economies during the past decade. In particular, the course focuses on the interdependence of Southeast Asian markets with global markets, economic migration, and regional labor issues. The course also develops the ideas of global, regional, and transnational “currents” and how these movements shape the experience of and possible resistance to globalization. These currents include economic and religious migration; regional consumption; financial crises, and their political counterparts, the organization of labor across the region; and the continual tension between transnational currents and national identity. *Prerequisites: PG 102 or 103.* Offered at least every three years; not offered 2006-2007.

**340 Classical Political Theory** A historical and interpretive survey of classical political theory. The course explores the development of the idea of the state, beginning with first attempts to plan society in the Greek city-state. Students examine the Greek achievement and its decline, *Pax Romana*, and the solid achievement of Rome in developing the tradition of European order. Thinkers studied include Plato, Aristotle, Stoic and Epicurean philosophers, Cicero, Seneca, Marcus Aurelius, and St. Augustine. *Prerequisite: PG 104.* Offered every third year; not offered 2006-2007.

**341 Modern Political Theory** This course re-examines the major political ideas, institutions, and ideals of liberalism, capitalism, democracy, and communism. Special emphasis is placed on the revolutions of 1989 in Central Europe and Russia, a turning point in world history, and the emergence of democracy and civil society in the post-communist world. The course traces the global interaction of institutions, market economy, and culture in the emerging New Europe and Russia. The theme of the course is that modern political theory presents unbroken threads unifying the experience of all countries and centuries. But each of these issues and concepts - state and society, politics and economics, globalism and nationalism - permits alternative solutions. The course is guided by Jefferson’s advice: “In so complicated a science as politics and political economy no one axiom can be laid down as wise and expedient for all times and circumstances and for their contraries.” Offered every other year; not offered 2006-2007.

**342 Contemporary Political Theory** This seminar explores recent trends in the field of political theory. Contemporary political theory focuses predominantly on new thinking related to justice, identity, and democracy. Theories of distributive justice (developed by John Rawls) or communicative action (offered by Jürgen Habermas) often serve as a starting point to the reconsideration of political community central to contemporary political theory. In the process of questioning the boundaries of modern political community, the inclusiveness of democracy, or the fairness of justice, political thinkers have moved beyond institutional definitions of politics and democracy. Rather, the subject (in all its forms: political, cultural, or social) and language have emerged as important points through which to understand “the political.” As a result, this seminar addresses

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the politics of identity reflective of race, class, sexuality, gender, or location at work in the formation of democratic community and practice. Recent theories with this attention toward identity at their foundation have suggested new ways to think about democracy by emphasizing deliberation, new forms of citizenship, plurality, and a dissociation of democracy from the nation-state. Issues at the transitional level closely related to these questions of democracy, including nationalism, immigration, colonialism, and post-colonial politics, are also addressed in the course. Satisfies the Comparative Values core requirement. Offered at least every other year; offered Fall 2006.

**343 The Political Philosophy of International Relations** What is justice? How should society be governed? What is the good life? Questions like these, while abstract and philosophical, underpin all international political disputes, and understanding them is a first step towards resolving the conflicts inherent in international relations. This course seeks to draw connections between the problems of international politics and the world of political philosophy. It traces the history of political thought, from ancient Greece and its protean ideas of both realism and idealized governance through the hard-nosed politics of Machiavelli and Hobbes and the modernized idealism of Kant and Grotius up to the present-day thinking of such international relations scholars as Morgenthau, Waltz, and Walzer. In doing so, the class explores the connections linking political thinking and events across time, taking lessons from different times and applying them to the problems of today. The course concludes by examining four case studies of real policy problems, including humanitarian intervention, the role of international law, and the invasion of Iraq, through the lens of political theory. *Prerequisite: PG 104.*

**344 American Political Thought** The course seeks to understand the origins, character, and evolution of American political thought. Though rooted in European thought, American political tradition has developed its own unique character. Thus the subordinate purpose of the course is to put American ideas in a larger historical perspective by using comparative values.

**372 Japanese Political Economy** This course is designed to familiarize students both with the institutions of the Japanese political economy and with a breadth of issues relevant to a deeper understanding of how political and economic processes actually work in Japan. It is comparative in nature and deals primarily with issues since 1945. *Prerequisite: PG 102 or permission of instructor.* Offered every other year; not offered 2006-2007.

**378 Chinese Political Economy** This course provides a fundamental understanding of the political, economic, and social foundations and permutations of the People's Republic of China (PRC). Students learn why a multidisciplinary political economy approach is most appropriate for comprehending the complex array of situational determinants that have shaped the PRC during both its revolutionary (1949-77) and reformative (1978-present) eras. Students employ the analytical tools of comparative political economy to identify and weigh those factors most relevant to this remarkable story of socio-political and economic development: political and economic, social and cultural, structural and historical, domestic and international. *Prerequisite: PG 102, or 103, or permission of the instructor.* Offered every other year; offered Fall 2006.

**410 Research Seminar in U.S. Politics** Students in this seminar focus on some major concerns of U.S. politics or public law and are required to write senior theses in the topic area of the seminar. The theme or topic of the seminar changes from year to year, and prospective students should check with U.S. politics faculty to determine the theoretical and substantive focus of the upcoming offering. *Prerequisites: PG 101, major concentration in U.S. Politics, senior standing, and PG 250 or permission of instructor.*



**411 Seminar in Public Law** This seminar examines the modern court system of the United States as institutions both political and legal. The seminar considers some topic of great interest to scholars. Each session reviews the literature on the topic, with students leading the discussion. The students then propose a seminar project that enhances the literature and promises to create new knowledge in the field. *Prerequisites: PG 101, major concentration in U.S. Politics, senior standing, and PG 250 or permission of instructor.* Offered every third year; offered Fall 2006.

**420 Research Seminar in Comparative Politics** Students in this seminar study major theoretical approaches to comparative politics and are required to apply those approaches to their senior thesis. The theme of this seminar changes each year. Prospective students should check with the comparative politics faculty to determine the theoretical, substantive, and geographical focus. Students are expected to participate regularly in seminar discussions and may be responsible for leading class sessions. *Prerequisites: PG 102, major concentration in Comparative Politics, senior standing, and PG 250 or permission of instructor.*

**430 Research Seminar in International Relations** Students in this seminar critically examine older and emerging theories of international relations as well as the issues and problems those theories attempt to explain. Students are expected to lead class discussions and to produce and present an original thesis on a topic chosen in consultation with the instructor. *Prerequisites: PG 103, major concentration in international relations, PG 250, and senior standing, or permission of instructor.*

**440 Seminar in Modern Political Thought** The seminar concentrates on those authors, from Machiavelli to Nietzsche, who made significant new approaches to the critical understanding of the world, its everyday political struggles, and immediate issues of the present time. Thematically, the seminar seeks to (1) give substantial accounts of what the intellectual giants thought about politics and (2) to indicate the degree to which these thinkers were engaging in the perennial conversation of mankind. Each student is expected to complete a substantive research paper. The format is dialogue and presentation of research topics and findings to members of the seminar. *Prerequisite: PG 104, major concentration in political theory, PG 250, and senior standing or permission of instructor.* Offered as needed.

**495 / 496 Independent Study** Requires prior departmental approval to count toward major or minor.

**497 Political Internship Seminar** This seminar explores contemporary issues in public policy. It focuses on the difficult ethical and political choices public decision makers face. The class studies the politics of policy process, the history of policy development, the values that shape policy choices, and different philosophies about which values should prevail in policymaking. The substantive issues covered vary, including such subjects as social welfare policy, policy toward science and technology, and health care politics. *Prerequisites: junior or senior standing, major or minor status in the Politics and Government department or the completion of at least four units in Politics and Government, and admission to the Internship program.* PG 497 does not count toward the major or minor.

## PSYCHOLOGY

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Professor: Barry Anton; Catherine Hale; Sarah Moore Sherry (on leave 2006-2007); Lisa Wood

Associate Professor: Robin Foster; Mark Reinitz; Carolyn Weisz, *Chair*

Assistant Professor: Kevin David; David Moore (on leave Fall 2006)

Visiting Assistant Professor: Christopher Jones; Jill Nealey-Moore

### About the Department

Psychology is the study of human thought and behavior. A current assessment of the field of psychology recognizes its application within a wide variety of professions including business, education, law, physical and occupational therapy, medicine, and clinical practice. While acknowledging this breadth of application, the academic discipline of psychology remains strongly wedded to scientific investigation as the fundamental underpinning of psychology and its effective application. Thus, a solid foundation in psychology hinges on an empirically-based understanding of human and animal thought, experience, and behavior. Psychology also has roots in the rational self-reflective capacities of the human mind, in the search for meaning within experience, and in a humanistic concern for others. A comprehensive understanding of the field requires research training, critical analysis of psychological theories and research, and the ethical application of scientific knowledge.

The psychology faculty and curriculum represent many of the major subdisciplines in psychology (e.g., development, clinical, cognition, learning, sensation, perception, biopsychology, personality, social, and industrial-organizational). Lower division courses geared toward majors and non-majors introduce students to psychological theories and ways of knowing within broad content areas. Within the major, students progress through a series of methods, statistics, and laboratory courses and take upper division elective courses to explore selected topics in greater depth. Seminars and independent study courses provide opportunities for students to approach contemporary issues in psychology and to develop the skills of scholarship at a more sophisticated level. Cocurricular opportunities including colloquia, internships, psychology club activities, and faculty-supervised research enhance the major for interested students.

The curriculum in the Department of Psychology meets many of the broad educational goals of the university. It provides opportunities for students to strengthen both the quantitative and verbal aspects of logical thinking and critical analysis. Students develop their written and oral communication skills, consider connections between psychology and other disciplines, and apply psychological concepts to practical problems. Topics within psychology frequently reach students at a personal level, providing the motivation for both intellectual and personal development. Thus, education in psychology helps students appreciate their role within the broader contexts of community, culture, and the world.

Students with a major in Psychology develop

- A. **a breadth and depth of understanding of the content of psychology**, including familiarity with the major concepts, theoretical perspectives, empirical findings, and historical trends within the academic field;
- B. **an ability to think scientifically**, including constructing arguments, analyzing and interpreting data, reading and critiquing different forms of scientific writing, and evaluating ethical issues and scientific standards;

- C. **an ability to express ideas effectively, both orally and in writing**, within the discourse of the discipline;
- D. **an appreciation for and understanding of multiple perspectives**, including socio-cultural, international, and individual differences as well as interdisciplinary and sub-disciplinary connections among different ways of knowing and across basic and applied approaches to the social and natural sciences; and
- E. **characteristics valuable for personal development and effective civil engagement**, including the abilities to think critically, to work independently as well as collaboratively, to solve problems effectively, to act ethically, and to apply academic knowledge to real-world problems.

## General Requirements for the Major

General university degree requirements stipulate that 1) at least four units of the major be taken in residence at Puget Sound; 2) students earn a GPA of 2.0 in courses taken for the major; and 3) all courses taken for a major must be taken for graded credit. Any exceptions to these stipulations are indicated in the major degree requirements listed below.

## Requirements for the Major

1. Completion of ten units, nine of which are in Psychology.
2. Satisfactory completion of PSYC 101 (Introductory Psychology). Students with a strong psychology background may petition the department to take an elective instead of PSYC 101.
3. Satisfactory completion of either BIOL 101 or 111.  
**Note:** BIOL 111 is strongly recommended for students with an interest in biological psychology or neuroscience.
4. Satisfactory completion of both PSYC 201 and PSYC 301 (Experimental Methodology and Applied Statistics I, II).  
**Note:** PSYC 101 is a prerequisite for PSYC 201. The prerequisite for PSYC 301 is completion of PSYC 201 with a grade of C- or better or permission of instructor.
5. Satisfactory completion of two of three laboratory courses: PSYC 341, 360, or 371.  
**Note:** All laboratory courses have PSYC 201 as a prerequisite. PSYC 371 also requires PSYC 301 or permission of instructor. PSYC 360 students participate in laboratories involving live animals.
6. Satisfactory completion of PSYC 492 (Perspectives on Behavior).
7. Satisfactory completion of three psychology elective courses. At least two of these courses must be at the 300/400 level. First year seminars do not count as Psychology elective courses.
8. Psychology majors must satisfy university core requirements other than First-Year Seminars outside of the Psychology department.

**The Psychology Department does not offer a Minor in Psychology.** Nonmajors who are interested in psychology and who would like guidance in selecting courses are encouraged to speak to any member of the department.

## Course Offerings

Unless otherwise specified, each course carries 1 unit of credit and is offered at least once each academic year. Please see “Frequency of Course Offerings” on page 16.

**First-Year Seminars.** See *First-Year Seminars in the Core Curriculum* section of this Bulletin for course descriptions (pages 17 and 30).

## *Scholarly and Creative Inquiry*

145 Ethical Issues in Clinical Psychology

180 Positive Psychology

## **Other courses offered by Psychology department faculty**

**CONN 320, Health and Medicine**

Satisfies the Connections core requirement.

**STS 318, Science and Gender**

Satisfies the Connections core requirement.

**STS 352, Memory in a Social Context**

Satisfies the Connections core requirement.

**101 Introductory Psychology** This course focuses on the scientific study of the behavior of humans and other organisms. Topics include principles of learning and motivation, acculturation, sensation and perception, cognition, language, and intellectual development; attitudes and attitude change, interpersonal attraction, theories of personality, psychological testing, behavior disorders, and psychotherapeutic methods; and the application of principles to an understanding of one's own behavior and the behavior of others. Required course for the major.

**200 Human Sexuality** Beginning with a brief study of the anatomy and physiology of the sexual and reproductive systems, the course progresses to the consideration of cultural heritages, including cross-cultural and sub-cultural variations. Consideration is given to the evolution of attitudes and behaviors across the life span, including the psychological foundations of the dysfunctions. Offered approximately every three years; next offered 2008-2009.

**201 Experimental Methodology and Applied Statistics I** This course covers experimental design and research methodology, elementary and advanced techniques of data analysis, and basic issues in the philosophy of science. Laboratory and individual research is required. To be taken during the sophomore or junior year. Required course for the major. *Prerequisites: high school algebra or the equivalent, PSYC 101.*

**234 Introduction to Clinical Psychology** This course introduces students to the diversity of activities in which clinical psychologists are engaged, the subspecialties that have grown out of clinical psychology, and the education and training required to become a clinical psychologist. To better understand the current discipline and its issues, students are exposed to a brief history of the field and its major theories. Current and emerging applications of clinical psychology, such as psychopharmacology are also explored. Clinical interviewing, psychopathology, psychological testing and assessment, and psychotherapy are examined through reading, films, class discussion, and experiential exercises.

**251 Introduction to Behavioral Neuroscience** This course considers the contributions of the nervous system to the understanding of the behavior of humans and other animals. To this end, the course surveys the basic structure and function of the nervous system, the principle methods for its study, and how knowledge of it informs an understanding of such phenomena as sensation and perception, movement, sleep, emotion, learning and memory, language, and abnormal behavior. *It is suggested, but not required, that students have completed BIOL 101, 111 and/or 121.* Offered every two to three years; next offered 2007-2008.

**273 Developmental Psychology: Prenatal through Childhood** This course focuses on the milestones of human development from conception through late childhood. It considers physical, cognitive, language, social, and emotional changes that occur during the first decade of life with special attention to various contexts of development. It addresses major theories as well as current research and methodology that explain how and why developmental change occurs. Implications for child-rearing, education, and social policymaking are also examined.

**274 Developmental Psychology: Adolescence through the End of Life** This course focuses on the development of individuals from adolescence through death. The domains of cognitive, physical, and psychosocial development are examined, with a particular emphasis on the multiple factors and contexts that influence development in each of these areas. Current theories and research are explored on a variety of topics relevant to adolescence and adulthood, including adolescent rebellion, identity development, midlife crisis, and caring for elderly parents.

**281 Social Psychology** Social Psychology is a field that uses empirical methods, primarily experiments, to study the social nature of our behaviors, attitudes, perceptions, and emotions. This course is a survey of theory and research literature pertaining to the prediction of human behavior in social settings. Topics covered include research methodology, social perception, attitudes and attitude change, prejudice, aggression, attraction, helping, conformity, group behavior, and the application of findings to current social problems. Satisfies the Social Scientific Approaches core requirement. (Note: Psychology majors cannot fulfill the Social Scientific Approaches core requirement with this course.)

**283 Social Psychology - ILACA London Program** The course begins with an introduction to the major themes and approaches in social psychology together with an overview of the research methods used. The themes are methodology, perspectives, and ethics. The course progresses onto varied topics including the social self, interpersonal relationships, attraction, social influence, prejudice, discrimination, pro- and anti-social behavior and aggression, and how the different psychological theories explain them. Throughout the course, students are encouraged to consider how the social psychological theories and research contribute to their own practical issues in the different domains of their personal lives (e.g. education, relationships, health). Offered only as a part of the London ILACA program.

**290 Industrial / Organizational Psychology** This course focuses on the application of psychological theory and methods to work behavior in industry and social service organizations. Research on job satisfaction, work motivation, personnel selection and training, decision making, and group processes within organizations are considered. Usually offered every two years; next offered 2007-2008.

**295 Abnormal Psychology** The major focus of this course is aberrant human behavior and the scientific basis for understanding its causes. Students learn the major approaches utilized today in diagnosis and treatment of these disorders including biological, psychoanalytic, cognitive, behavioral, humanistic, and community-systems models. Students who have received credit for PSYC 345 may not receive credit for PSYC 295. *Prerequisite: at least one course in psychology.*

**301 Experimental Methodology and Applied Statistics II** This course covers experimental design and research methodology, elementary and advanced techniques of data analysis, and basic issues in the philosophy of science. Laboratory and individual research is required. Required course for the major. *Prerequisite: Completion of PSYC 201 with a grade of C- or higher or permission of the instructor.*

**310 Fundamentals of Clinical Neuropsychology** Clinical Neuropsychology is the study of brain-behavior relationships. The focus of the course is the clinical presentation of human brain dysfunction. Basic neuroanatomy, neurophysiology, assessment techniques, and philosophical underpinnings are examined. Topics could include split brain studies, language disorders, laterality, perceptual-motor dysfunction, learning and attention disorders, dementia, and treatment issues. *Prerequisite: PSYC 101.* Usually offered every other year; offered Fall 2006.

**311 Behavioral Genetics** The relative influence of heredity and experience on psychological processes has long interested behavioral scientists. Recent advances in genetic technologies demand that students of psychology become familiar with genetic studies of cognitive and behavioral traits, such as intelligence, personality, and psychopathology. This course reviews basic principles of genetics, introduces standard methods for studying behavioral genetics, examines how genetic studies inform scientists about the etiology and expression of psychological processes, and considers ethical issues surrounding genetic research, especially as applied to the behavioral sciences. *Prerequisites: PSYC 101 and either BIOL 101 or 111.* Usually offered every other year; next offered 2007-2008.

**315 Psychology and the Legal System** This course explores the complex interface between the science of psychology and a range of legal issues. Topics in the areas of human rights, expert testimony, ethics and legal practices are examined. The importance of psychology in shaping legal practices is a central theme of the course. *Prerequisites: at least one previous course in Psychology.* Usually offered every other year; next offered 2007-2008.

**330 Theories of Personality** This course is designed to provide students with an understanding of several theoretical models of the determinants of human behavior. Taking an historical perspective, students learn about psychoanalysis, behaviorism, humanism, and other models of personality. A comparative approach is stressed with an emphasis on structural criticism of each theory and its philosophical underpinnings. *Prerequisite: at least one course in Psychology.*

**331 History and Systems of Psychology** This course focuses on the development of psychology from its origins in philosophy to its establishment as a distinct experimental science. The class evaluates the contributions of philosophers and psychologists in terms of the political, cultural, social, and intellectual tenor of the times. This course allows students to gain historical sophistication and helps develop the ability to critically examine both historical and current issues in psychology. *Prerequisite: PSYC 101.* Students who have received credit for PSYC 231 may not receive credit for PSYC 331. Offered every two years; offered Spring 2007.

**341 Sensation, Perception, and Action** This course considers the phenomena and methods of sensation, perception, and action in biological organisms. It focuses primarily on vision and audition, but with an emphasis on the general principles of how various forms of physical energy in the world are transduced and transformed to yield useful representations and purposeful behavior. Students wishing to facilitate a deeper understanding of the material may want to take PSYC 251, MATH 121, or PHYS 111/112 (or 121/122) prior to taking this course. Laboratory work is required. *Prerequisite: PSYC 201.*

**360 Experimental Analysis of Behavior** This course is concerned with the lawful relationships between the behavior of organisms and the natural world. The course explores the scientific principles that govern these relationships with particular emphasis upon environmental control of voluntary behavior. **Note:** The laboratory component of this course requires work with live animals. *Prerequisite: PSYC 201 or permission of instructor.*

**361 Cognitive Psychology** This course is concerned with how humans learn, think, reason, and solve problems. It addresses the ways in which humans input, encode, transform, store, retrieve, and output information. The course presents major concepts, methods, research findings, and controversies concerning human cognition and examines application of cognition to topics such as eyewitness testimony, autobiographical memory, childhood amnesia, and expertise. *Prerequisite: PSYC 201.*

**370 Special Topics** This course covers areas of psychology that are of contemporary interest and are not covered by other courses in the department. The topics covered and the frequency with which the course is offered depend upon the changing expertise and interests of the faculty. May be repeated for credit. Prerequisites may vary depending on topic. Topic for Fall 2006: Family Processes and Child Development. *Prerequisites: PSYC 201 and PSYC 273 or permission of instructor.* Topic for Spring 2007: Cognition and Aging. *Prerequisite: PSYC 201.*

**371 Psychological Testing and Measurement** This course is an introduction to psychological testing and measurement. Students address the topics of test development, validation, and administration; survey commonly-used psychological measures; and discuss ethical, legal, social, and emotional impacts of decisions based on measures. In computer-based laboratories, students analyze test data with frequently-used statistical tests and procedures. Students who have received credit for PSYC 401 cannot receive credit for PSYC 371. *Prerequisites: PSYC 201 and PSYC 301.* Usually offered once a year; not offered 2006-2007.

**395 Developmental Psychopathology** Mental health disorders among children and adolescents are pervasive. Youth violence is a serious social problem. This course examines the etiology, diagnosis, and treatment of mental health problems of children and adolescents based on the empirical literature. Students who have received credit for PSYC 370 with the topic of pediatric psychopathology may not receive credit for PSYC 395. *Prerequisite: PSYC 201, 273, or 295.* Usually offered every other year; offered Spring 2007.

**460 Psychotherapy and Behavior Change** This seminar reviews the major models of personality, psychotherapy, and clinical assessment. A strong emphasis in the course is placed on the comparison of cognitive-behavioral theories to psychoanalytic, humanistic, and systems approaches. Students have opportunities to develop and practice basic counseling skills as part of the humanistic segment of this course. *Prerequisite: PSYC 295 or PSYC 330.*

**492 Perspectives on Behavior** A detailed review, analysis, and evaluation of the philosophical, theoretical, and experimental contributions of important figures both in the pure and applied sciences of psychology. Required course for the major. *Prerequisite: senior Psychology major or permission of instructor.*

**495 Independent Study** Variable credit up to 1 unit Independent study credit is available to students who demonstrate legitimate educational needs not met through regular course offerings. Students must have junior or senior class standing and a cumulative grade average of at least 3.00. Depending on the nature and scope of the project, independent research projects may constitute independent study. Petition for admission is required. Requests evaluated on an individual basis. Independent studies approved by a Psychology advisor for one unit may count as an upper-division Psychology elective.

**497 / 498 Internship Seminar** Volunteer or work experience relevant to psychology and weekly seminar meeting. Open to juniors and seniors with a 2.5 GPA. Students should meet with the

## Religion

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university internship coordinator the semester prior to enrolling to begin planning an internship. Internships approved by a Psychology advisor may count as an upper-division Psychology elective. *Prerequisites: Approval of the Internship Coordinator (see page 280 of this Bulletin).*

**499 Cooperative Education** 0.25 or 0.5 Volunteer or work experience relevant to psychology and written analysis of experience. Pass/fail only. Sophomore, junior, and seniors are eligible. *Prerequisites: Approval of the Internship Coordinator (see page 281 of this Bulletin).*

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## RELIGION

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Professor: Douglas R. Edwards

Associate Professor: Suzanne Holland, *Chair* (on leave Fall 2006); Judith Kay (on leave 2006-2007); Stuart Smithers, *Acting Chair*, Fall 2006

Visiting Associate Professor and Pacific Rim/Asia Study-Travel Program Director: Elisabeth Benard

Assistant Professor: Greta Austin; Jonathan Stockdale

### About the Department

The Department of Religion seeks to help students understand the nature and importance of the world's great religious traditions in historical context and to glimpse some of the profound questions and answers about human nature and destiny that these traditions offer. Toward this end several individual traditions are studied in depth, but the traditions are also treated comparatively, in each case noting how they shape human existence and culture through such expressions as myths, symbols, rituals, moral systems, and ideas.

For students seeking a true liberal arts education, a major or minor in Religion provides an avenue towards deeper understanding of oneself and the human adventure. It also serves as a stepping stone to graduate studies and as a general background helpful in many vocations. For the major and minor, the faculty provides an introduction to the academic discipline of religion followed by careful probing of two or more important traditions and a consideration of the methods useful in the study of religion.

### Objectives in the Religion Major

With a focus on religious symbols, doctrines, practices, moral systems, and institutions in both ancient and modern settings, Religion majors develop an understanding of a range of religious traditions. Department faculty believe that in order to function effectively in an increasingly complex world, educated persons must possess an understanding of the roles religions play in political, economic, social, cultural, and moral arenas of people's lives. Religion majors explore in depth at least one Asian religious tradition and one Western monotheistic tradition, and they will gain familiarity with a variety of theories, methods, and issues involved in the academic study of religions.

Religion courses are grouped into the following areas:

#### Area A) Ancient Near East and Monotheistic Religious Traditions

102 Jesus and the Jesus Traditions

200 The History and Literature of Ancient Israel

201 The History and Literature of the New Testament



- 204 Religions of the Book: Judaism, Christianity, and Islam
- 210 Comparative Christianities
- 253 Religion and Society in the Ancient Near East
- 310 Christianity and Law in the West
- 312 The Apocalyptic Imagination
- 354 Paul and the Pauline Tradition
- 363 Saints, Symbols, and Sacraments: History of Christian Traditions

**Area B) Asian Religious Traditions**

- 233 Japanese Religious Traditions
- 234 Chinese Religious Traditions
- 328 Religion, the State, and Nationalism in Japan
- 332 Buddhism
- 333 Asian Women and Religion
- 334 Vedic Religion and Brahmanism
- 335 Classical Hinduism
- CONN 369, Power, Gender, and Divinity: The Construction of Goddesses
- CONN 380, Religion and Architecture: From Cosmos to Cosmopolitanism

**Area C) Religious and Philosophical Ethics**

- 265 Thinking Ethically
- 361 Heroes of Integrity
- 364 Issues in Bioethics
- 365 Antisemitism and the Holocaust
- 368 Gender Matters
- CONN 302, Ethics of Responsibility and Difference
- CONN 310, Crime and Punishment

**Area D) Advanced Seminars in Religious Studies**

- 450 Tradition and the Esoteric
- 451 The Idea of the Soul
- 453 Archaeology and the Bible
- 455 Virtue and Vice
- 456 Ethics and Postmodernity
- 494 Special Topics
- 495 / 496 Independent Study

**Area E) Comparative Approaches**

- 101 Introduction to the Study of World Religions
- 108 Yoga and the Ascetic Imperative
- 112 Archaeology and Religion
- 290 Mysticism and Esotericism
- 301 Consciousness and the Bourgeoisie
- 340 Imagining Religion: Scholars, Theories, and Cases in the Study of Religion
- 352 Archaeology Abroad: Field Methods and Approaches
- 440 The Body in Comparative Religions
- CONN 305, The Idea of Archaeology

# Religion

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## General Requirements for the Major or Minor

General university degree requirements stipulate that 1) at least four units of the major or three units of the minor be taken in residence at Puget Sound; 2) students earn a GPA of 2.0 in courses taken for the major or the minor; and 3) all courses taken for a major or minor must be taken for graded credit. Any exceptions to these stipulations are indicated in the major and minor degree requirements listed below.

## Requirements for the Major

The major in Religion is nine courses.

From Area A:

one of the following: REL 200 or 201

and

one of the following: REL 204, 210, or 363

From Area B: 2 courses

From Area C: 1 course

From Area D: 2 courses

From Areas A through E: 2 additional Religion courses, only one of which can be at the 100 level

## Requirements for Honors in the Major

At the discretion of Religion faculty, students who have demonstrated a record of distinguished learning and scholarship will be considered for departmental honors. Religion majors wishing to be considered for departmental honors are required to present a senior thesis and are encouraged to complete advanced foreign language study. Interested students should contact the department chair.

## Requirements for the Minor

The minor in Religion is five courses.

One course each from Area A, B, and C; and two additional Religion courses, at least one of which is above the 200 level.

**Note:** Only grades of C (2.00) or higher count towards the major or minor.

## Course Offerings

Unless otherwise specified, each course carries 1 unit of credit and is offered at least once each academic year. Please see “Frequency of Course Offerings” on page 16.

**First-Year Seminars.** See *First-Year Seminars in the Core Curriculum* section of this Bulletin for course descriptions (pages 17 and 29).

### *Scholarly and Creative Inquiry*

107 Galilee: Religion, Power and Politics

110 Magic and Religion

115 Buddhism and the Beats

120 Communities of Resistance and Liberation

125 Zen Insights and Oversights

**Other courses offered by Religion department faculty**

**CONN 302 Ethics of Responsibility and Difference**

Satisfies the Connections core requirement.

**CONN 305 The Idea of Archaeology**

Satisfies the Connections core requirement.

**CONN 310 Crime and Punishment**

Satisfies the Connections core requirement.

**CONN 312 Biological Determinism and Human Freedom: Issues in Science and Religion**

Satisfies the Connections core requirement.

**CONN 369 Power, Gender, and Divinity: the Construction of Goddesses**

Satisfies the Connections core requirement.

Counts toward the minor in Gender Studies.

**CONN 380 Religion & Architecture: From Cosmos to Cosmopolitanism**

Satisfies the Connections core requirement.

**101 Introduction to the Study of World Religions** This course is a comparative study of world religions in light of influential theories of myth, symbol, ritual, religious experience, and the social function of religion. Satisfies the Humanistic Approaches core requirement.

**102 Jesus and the Jesus Traditions** The figure of Jesus has sparked theological debates, artistic expressions, government decrees, religious persecutions, pietistic revivals, and social and moral attitudes, affecting the lives of countless generations. This course addresses an overarching question throughout the semester: How does an educated person in today's society evaluate such conflicting responses? The course draws on current historical and narrative approaches to understand the 'images' of Jesus in their respective literary, social, and historical contexts. It addresses some of the following questions. What did Jesus mean to the first interpreters? How did the early Christian communities view Jesus? What do the texts reveal about early Christian attitudes towards outsiders (government, different religious groups, social/moral attitudes)? How has Jesus been perceived in Christian tradition (art, literature, theology, ecclesiology) and in the development of western civilization (e.g., literature, the arts, politics, public schools)? The goal is not to give final and definitive answers. Rather, the course seeks 1) to encourage questions regarding the themes, purpose, and significance of the texts; 2) to provide methodological tools to aid such questions; 3) to place these questions and answers amidst the questions and answers of others; and 4) to understand the Jesus traditions both ancient and contemporary in light of their own social, cultural, and literary contexts. Satisfies the Humanistic Approaches core requirement. Usually offered every year; offered Spring 2007.

**108 Yoga and the Ascetic Imperative** This course investigates and attempts to distinguish, identify, and understand the different modes and aspects of yoga, meditation, and ascetic disciplines in a variety of cultural contexts. The class examines the broad influence of the ascetic imperative in culture and criticism - in myth, literature, philosophy, religion, and psychology. Primary texts include Patanjali's *Yoga Sutras*, Plato's *Symposium*, and Athanasius's *Life of Anthony*. Major interpretive authors studied include Nietzsche, Weber, Freud, and Foucault. Satisfies the Humanistic Approaches core requirement. Usually offered each year; not offered 2006-2007.

**112 Archaeology and Religion** Archaeology combines science and history in an attempt to reconstruct ancient worlds. Like anthropology, it seeks to determine how people lived in ancient communities as reconstructed through their buildings, tools, and artifacts. Many disciplines

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combine to find and interpret material remains, ranging from biology to geology to historical records. Archaeology is more than just putting together a jigsaw puzzle or recreating the material cultures of remote periods. Archaeologists now want to find out not only how people lived and used their environment but also why they lived the way they did. What patterns of behavior occur and how did their lifestyles and material culture come to take the form they did? This course examines these concerns drawing on current theories paying particular attention to the way archaeology elucidates the role religious symbols, groups, and ideas structures the ancient world. Archaeological excavations in the Mediterranean and Black Sea regions (notably Israel, Greece, and the Crimea) provide case studies for understanding these concerns, especially for the Classical, Hellenistic, Roman, and Byzantine periods. Satisfies the Social Scientific Approaches core requirement.

**200 History and Literature of Ancient Israel** This course examines the development of Israel first as a people and then as a nation amidst the dynamic setting of the ancient Near East. It focuses on the religious development as depicted in the Hebrew scriptures in light of the social, religious, and political fabric of the various societies with particular attention to the emergence of Israel, its religious distinctiveness, and its formation as a people and a nation. This course seeks to 1) situate the biblical material amidst the powerful sacred stories and rituals in ancient near eastern societies; 2) discern the mix of religion, politics, and societal behavior evident in ancient Israel, especially in light of events in Egypt and ancient Mesopotamia; 3) explore the impact that the Hebrew Bible had (and continues to have) in the development of western civilization and modern society (e.g., literature, the arts, politics); and 4) introduce tools used by interpreters of the Bible to understand the texts in their literary, social, and historical contexts. Satisfies the Humanistic Approaches core requirement.

**201 The History and Literature of the New Testament** All the writings of the New Testament are studied, in order to understand both the critical scholarly questions of date, authorship, purpose, and the impact of these writings and their authors on the emerging Christian community.

**204 Religions of the Book: Judaism, Christianity, and Islam** This course surveys the major monotheistic traditions of the world - Judaism, Christianity, and Islam - from their origins to the present day. The course fosters an appreciation of the distinctiveness and inner coherence of each of these traditions as well as to discern facets of unity among the three. Religious expression assumes many forms and is considered in traditional theological and philosophical texts as well as in political systems and the arts. The class is conducted as a combination of lecture and discussion. Satisfies the Humanistic Approaches core requirement.

**210 Comparative Christianities** This course provides an introduction to Christianity, or rather, 'Christianities.' To understand the diversity within Christianity, the course compares and contrasts various historical and contemporary traditions in Christianity: Gnosticism, the Eastern Orthodox Church, medieval Western Latin Christianity, Protestantism in the sixteenth century, African-American Christianities, Pentecostalism, liberation theology, and Christian fundamentalism in the United States. Students come to realize that there is no one single, monolithic 'Christianity,' but instead a variety of Christianities which vary geographically, historically, and culturally. The course also examines the way in which gender, race, and class affect religious perspectives upon the human experience. It concludes by examining two social issues which Christians today debate, homosexuality and the ordination of women. Satisfies the Humanistic Approaches core requirement. Offered Spring 2007.

**233 Japanese Religious Traditions** This course explores the major expressions of religion in Japanese culture and history, including both popular and elite forms of religious practice and thought. Because Japan is home to a range of religious traditions, the course explores the various forms that have appeared there not only of Buddhism and Shinto, but also of Taoism, Confucianism, and even Christianity. A primary goal of this course is to develop both an empathetic understanding of Japanese religion and a critical appraisal of its expression in particular historical and cultural contexts. Throughout the course ample time is devoted to the role of aesthetics in Japanese religion (in film, literature, art, and ritual) as well as to the various ways that religion and the Japanese state have interacted over time. Satisfies the Humanistic Approaches core requirement.

**234 Chinese Religious Traditions** This course provides an introduction to the wide range of religious beliefs and practices that have emerged over the course of Chinese history. Topics covered include not only the classic traditions Confucianism, Taoism, and Buddhism, but also such broader examples of religious expression as oracle bone inscriptions, medieval ghost stories, and contemporary practices in longevity. Throughout the course students explore how those in China have understood the world religiously, and how scholars have interpreted the diverse world of Chinese religion. Some of the questions include: What has it meant to be a human in China? What other spirits, ghosts, and divinities inhabit the Chinese religious world? What is included and what is excluded when we use the term “religion,” or even “China”? How do cultural, historical, and political changes affect religious experience, or a person’s understanding of “ultimate reality”? A primary goal of the course is to develop a broad understanding both of Chinese religious history and of contemporary issues involving religion in China. Satisfies the Humanistic Approaches core requirement. Not offered 2006-2007.

**253 Religion and Society in the Ancient Near East** The course focuses on the ancient Near East with special attention to the ancient civilizations in Egypt, Turkey, Syria, Mesopotamia, and Israel. Topics include (1) the influence of myth, totem, sacred space, and ritual on the political, social, and religious fabric of ancient societies; (2) the origin of the city and its role as a major political, social, and economic force; and (3) the impact that the Near East has had on Western civilization, especially in the areas of law, literature, and religious symbols. Offered every third year; not offered 2006-2007.

**265 Thinking Ethically** This course explores selected ethical theories, ethical methods, and ethical problems, which address the central questions of human flourishing - doing the right thing, being a good person, and fashioning a just society. This course studies western philosophical and Christian social ethics. Students develop case studies on issues such as economic justice, homosexuality, pacifism, and racism in order to test and apply the various approaches. Students also explore how their ethical thinking is shaped by their social location. Students who received credit for REL 103 may not receive credit for REL 265. Satisfies the Humanistic Approaches core requirement. Usually offered every year; not offered 2006-2007.

**290 Mysticism and Esotericism** The course provides a scholarly study of religious experience, focusing on the reports and claims of the contemplative virtuosi: the mystics. In addition to working with classic texts from a variety of cultures and traditions, the course includes modern philosophical and psychological attempts to identify and define phenomena associated with the mystic enterprise. Topics to be discussed include the problems of free will, consciousness, self-identity, mysticism and morality, pluralism and monism, and the nature of spiritual discipline. Offered occasionally; not offered 2006-2007.

## Religion

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**301 Consciousness and the Bourgeoisie** “Know thyself” is a maxim central to the religious quest, but individuals who are intensely and urgently driven to know themselves often occupy the outskirts of ordinary society. Although these “outsiders” are a part of their culture and contribute to their culture, they no longer share the common values of their society. The course seeks to explore the role of outsiders (those who desire inner freedom and transformation) in the context of bourgeois society. The first half of the course draws on ancient materials (*Epic of Gilgamesh*, *The Oresteia*, and Plato’s *Republic*) in discussing ideas of ontology, psychology, consciousness, and transformation. The second half of the course relies on novels and novellas by Ouspensky, Hesse, and Mann for a discussion of bourgeois attitudes toward the outsider and toward the outsider’s struggle to become an individual who confronts the habitual, unconscious, and mechanical patterns of existence.

**310 Christianity and Law in the West** Many of the distinctive features of the modern Western legal tradition can be traced to medieval Europe and its religious beliefs and practices. International law, law on the European continent, and law in nations following the Anglo-American tradition have been deeply colored by the assumptions and arguments of medieval canon law, the law regulating the Latin Catholic Church. This course discusses legal developments in Europe during the medieval period. Topics covered include sin and crime, natural law, and law governing marriage and sexual norms. The course examines how canonical norms and ideas influenced secular law in the Middle Ages and how they have continued to shape Western law and legal theory up to the present. *Prerequisites: none; however REL 204, 210, or 363; or HIST 102, 302, or 303 would be helpful preparation.* Offered every two years; offered Fall 2006.

**312 The Apocalyptic Imagination** Apocalyptic visions of heaven, hell, judgment, cosmic battles, and a faithful, persecuted remnant have stimulated literary and religious imaginations for over 2000 years. The course explores the apocalyptic imagination within its historical and cultural context, acquaints students with the value systems and presuppositions embedded in an apocalyptic perspective, and discerns the social structure and symbol system of an apocalyptic worldview. Offered every three years; not offered 2006-2007.

**328 Religion, the State, and Nationalism in Japan** This course examines relationships between religious traditions, the “state,” and nationalism in Japanese history. Through careful study of primary and secondary sources, the course explores early symbiosis between religious rites and governance; the role of Shinto and Buddhism in legitimating systems of government centered on the emperor or warrior elites; religious components in modern Japanese imperialism; challenges to the separation of religion and the state in postwar Japan; civil religion; and cultural nationalism. Offered every other year; not offered 2006-2007.

**332 Buddhism** A study of the origin and development of Buddhism. Special emphasis is given to the history of Buddhist thought, the evolution of the primary schools of Buddhism, and the question of cultural influence on Buddhist expansion. Sources for study are drawn from Indian, Tibetan, Chinese, and Japanese texts in translation. Offered every other year; offered Spring 2007.

**333 Asian Women and Religion** This course explores the roles of Asian women in regard to issues of equivalence, status, and goals in Buddhism, Hinduism, Christianity, Islam, and indigenous Asian religions, such as Shinto and Bon. For each religion the course highlights some of the dominant roles and assesses if certain roles change through centuries. This exploration leads to an examination of the function of gender in religious traditional symbols, institutional roles, and personal searches in a comparative light. A variety of sources, which include primary sources, scholarly articles, biographies, and newspaper reports are used for this exploration. Counts to-

ward the minor in Gender Studies. Offered occasionally; not offered 2006-2007.

**334 Vedic Religion and Brahmanism** This course examines the origin and development of religion in South Asian antiquity. Study focuses on the mythology and symbology of the Vedic textual corpus, the rise of ritual ideologies, and the meaning and influence of the yogic vision. In addition to Vedic texts, the course may include study of mythic epics (*Mahabharata* and *Ramayana*) and non-Vedic myths that appear in the Puranas. Students who have received credit for REL 331 cannot receive credit REL 334. Offered every other year; not offered 2006-2007.

**335 Classical Hinduism** A study of the various systems of myth, ritual, symbol, and thought that have significantly contributed to the development of Hinduism after the Vedic period. The approach of the course is primarily textual, examining a wide range of scriptural sources from the Hindu traditions. REL 334 recommended prior to REL 335. Students who have received credit for REL 331 cannot receive credit for REL 335. Offered every other year; offered Fall 2006.

**340 Imagining Religion: Scholars, Theories, and Cases in the Study of Religion** This course examines and engages influential theories and approaches to the study of religion developed by scholars with diverse intellectual views. Through theoretical readings and case studies, students receive a broad grounding in classical and contemporary theories of religion, including comparative psychoanalytic, anthropological, feminist, and postmodern approaches. In addition to locating religious studies within wider intellectual movements, the course is designed to help students articulate the values and assumptions they bring to their own studies of religion. Offered Spring 2007.

**352 Archaeology Abroad: Field Methods and Approaches** This course teaches the skills and proper vocabulary used in field archaeology through on-site excavation experience. Under the tutelage of trained field and area supervisors, students 1) learn the techniques of archaeology; 2) understand what can and cannot be known from excavations; 3) learn how a site fits into local, regional, and international economic, political, and cultural networks; and 4) discover what a site can tell about the culture and concerns of ancient societies (their religious values, their aesthetics, their world view). Students are introduced to every aspect of an excavation, from obtaining and recording data to establishing and testing hypotheses. Key elements also include the stratigraphic method, neutron activation analysis, pottery typology (and its implication for dating ancient occupation levels), and numismatics (coin analysis). Archaeology allows the interpreter the rare opportunity to peer beyond the world of literature into the everyday world of both ruler and governed. Offered only in Summer Session as part of the Study Abroad Archaeology Program.

**354 Paul and the Pauline Tradition** The course looks at the effect of the apostle Paul's world on his thought (e.g. Stoic philosophy, Jewish wisdom, Pharisaism). It explores how Paul and the Pauline communities grapple with such human concerns as death, immortality, group behavior, authority (who is in charge and who decides?), the place of ritual, and the relationship between the group and the individual. The course introduces the theological, community, and ethical issues facing the Pauline churches and Paul. It also depicts the presuppositions operating in Paul, in the communities to whom Paul writes, and in later interpreters of Paul (Gnostics, Orthodox Christians, theologians in Western tradition, and current students). Offered every three years; not offered 2006-2007.

**361 Heroes of Integrity** In this course, selected religious heroes and heroines of the twentieth century are studied, and students identify factors that resulted in their integrity and courage, primarily through a study of religious autobiographies. Figures from a variety of religious traditions

and continents have been selected who responded to the key challenges of their time, such as the Great Depression, the Holocaust, the struggle for civil rights, ending apartheid, or national liberation. The course attends to the possibilities of moral agency and the role of religion in character formation. Each year different figures are studied, but in the past have included the Dalai Lama, Desmond Tutu, Dorothy Day, Hannah Senesh, Victor Frankel, Dietrich Bonhoeffer, Malcolm X, and Martin Luther King Jr. Not offered 2006-2007.

**363 Saints, Symbols and Sacraments: History of Christian Traditions** This course surveys the major developments in Christian history from its origins up to the current day. In the first half of the course, the focus is on patterns of Christian thought including institutional changes and social context up to 1500 CE. Although this is largely a story of the clerical hierarchy in the Latin West, wherever possible the course emphasizes the role of lay persons, women and Eastern Christianity. In the second half of the course, the focus is on the challenges to Christianity posed by modernity including the Protestant movement, the Enlightenment, the New World, and the liberation movement among women, minorities, and third world peoples. Readings are from both primary and secondary sources. *Prerequisite: REL 102, 200, 201, or 204.* Not offered 2006-2007.

**364 Issues in Bioethics** An examination of Western religious understandings of moral issues in health and wellness, death and dying, health care allocation, reproductive technologies, physician-assisted suicide issues, and issues in genetic engineering and biotechnology. Students learn the principles of medical ethics, as well as various ethical approaches to biomedical questions and apply these methods to case analyses. Prior work in religion, genetics, biology, ethics, or philosophy is helpful to the student.

**365 Antisemitism and the Holocaust** This course studies the emergence of anti-Jewish oppression in the context of Jews and Christians in the West: Jewish origins, the emergence of prejudices against Jews by Christians, the development of a systematic oppression of Jews and the attempted annihilation of Jews during the Holocaust. Such a history tells much about the Gentiles as it does about the Jews. What moral choices did both face, which paths did they choose and why? How do religious ideas affect human action and how does religion operate in history both for good and for ill? Students who received credit for REL 205 may not receive credit for REL 365. Satisfies the Humanistic Approaches core requirement. Not offered 2006-2007.

**368 Gender Matters** An in-depth study of feminist theory, theology, and ethics, and the role such theories have played in Western social and religious thought. Among the issues explored are justice, violence, the body, sexuality, knowledge, power. The course draws upon one or more of the following theoretical insights: liberationist, post-structuralist, standpoint, virtue, or Marxist theories. Prior work in religion, women studies, comparative sociology, philosophy, or feminist political theory is helpful, as well as a facility with writing. Counts toward the minor in Gender Studies. Offered every other year; not offered 2006-2007.

**440 The Body in Comparative Religions** While the field of religious studies frequently focuses on *belief* and the intellectual development of religious traditions, this course shifts its focus to the *body* and its importance for the study of religion. The class examines the role of the body as a vehicle through which individuals experience “the sacred,” and as a site upon which communities inscribe, assert, and contest religious values. Taking a comparative approach toward cases drawn from Buddhism, Christianity, and indigenous traditions, the class explores such themes as the perfectible body, the body in pain, bodily relics, the body in ritual, and transcending the body altogether. Finally, by drawing on classical and contemporary theorists, students work to develop



their own frameworks through which to understand and interpret the crucial role of the body in the history of religions. *Prerequisites: Two courses in Religion or permission of the instructor.* Offered every three years; not offered 2006-2007.

**450 Tradition and the Esoteric** The seminar explores the ideas of “tradition” and “modernity” from the point of view of the so-called “Traditionalist” writers: Rene Guenon, Frithjof Schuon, and A.K. Coomaraswamy. Premised on the understanding that the great religious traditions contain an inner esoteric core, these writers contend that the “inner teachings” of these traditions illuminate the shortcomings and the special difficulties of our modern condition. This seminar focuses on the work of the poet T.S. Eliot as paradigmatic of the Traditionalist response to modernity. *Prerequisites: at least two courses in Religion or permission of instructor.* Offered every three years; offered Fall 2006.

**451 The Idea of the Soul** This seminar examines the idea of the soul from a variety of historical and cultural perspectives. Study includes ancient, medieval, and modern models of the soul, a comparison of the prevailing Western ideas of the soul with Vedic and Buddhist conceptions, and a discussion of the academic discourse of the nineteenth and twentieth centuries on the “origin” and evolution of the idea of the soul. Of central importance to this investigation is an examination of the relationship between souls and bodies, including the problem of soul/body dualism and the emergence of the idea of the “disembodied” soul. Sources are drawn from a variety of disciplines including the history of religion, philosophy, anthropology, and psychology. *Prerequisites: At least two courses in Religion or permission of the instructor.* Offered every three years; not offered 2006-2007.

**453 Archaeology and the Bible** This course explores in detail the results of archaeology with special attention to lands that influenced the biblical accounts. It examines the methods of current archaeological practice and relates artifacts found in excavations to the social and cultural climate that created them. It enables the student to develop a synthetic approach to the study of the world of the Bible by using archaeological and textual data. In particular, the role of religion as elucidated by archaeology and literature is delineated. *Prerequisites: at least two courses in Religion or permission of instructor.* Offered every three years; not offered 2006-2007.

**455 Virtue and Vice** This advanced seminar examines the concept of virtue and vice and the recent ascendancy of virtue ethics. Using Alasdair MacIntyre’s claim that “every ethic has a sociology,” the class examines different conceptions of virtue in medieval, modern, and revolutionary contexts. The class explores whether emotions should be part of the moral life, whether negative emotions such as vengeance can be virtues, the effect of unjust communities on the acquisition of virtue and vice, and whether individuals can eliminate their vices. *Prerequisites: two courses in Religion or permission of instructor.* Offered every three years; not offered 2006-2007.

**456 Ethics and Postmodernity** This advanced seminar for Religion majors takes up the question of what place (if any) religious and social ethics has in postmodern culture. In other words, what characterizes postmodernity and what has been its effects on the discipline of ethics? Are there any prospects for a common morality given the realities of post-structuralist deconstruction? How will one determine the appropriateness of an ethic for postmodern culture? *Prerequisites: two courses in Religion or permission of instructor.* Offered every three years; offered Spring 2007.

**494 Special Topics** This seminar is organized around themes and topics that are of special interest to the study of religion. The seminar is offered on an occasional basis and the topic is deter-

## Program in Science, Technology, and Society

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mined in advance by the instructor. *Prerequisites: at least two courses in Religion or permission of instructor.* Not offered 2006-2007.

### 495 / 496 Independent Study

**497 Internship** Students work in non-profit or for-profit institutions relevant to religion and society under the University Internship Program. Reflection on experience in the field is developed into written form and shared in a seminar setting. *Prerequisites: two courses in Religion and approval of the Internship Coordinator (see description on page 281 of this Bulletin).*

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## PROGRAM IN SCIENCE, TECHNOLOGY, AND SOCIETY

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Co-Directors: James Evans and Mott Greene (on leave Fall 2006)

Assistant Professor: Kristin Johnson

Advisory Committee: Douglas Cannon, *Philosophy*; James Evans, *Physics*; Barry Goldstein, *Geology*; Mott Greene, *Honors; Science, Technology, and Society* (on leave Fall 2006); Wade Hands, *Economics*; Suzanne Holland, *Religion*; Kristin Johnson, *Science, Technology, and Society*

### About the Program

Science and technology are not isolated activities: they are inextricably linked to every other aspect of human experience. Science and technology have important connections to literature, philosophy, religion, art, economics, and to social and political history. Scientific evidence and argument are part of continuing lively debates on issues at every level of generality: social policy, the utilization of natural resources, the allocation of health care, the origin and evolution of life, the place of humankind in the natural order, and the nature of the universe.

Science, Technology, and Society courses explore the connections between the sciences and other parts of the human endeavor. Students in the Program develop an understanding of 1) how the broader culture influences the development of science and how science influences different societies and cultures, and 2) the interplay between science and economics, politics, religion, and values in contemporary decision making. Many Science, Technology, and Society courses are cross-disciplinary in nature, and many are team-taught. Faculty from more than a dozen different disciplines within and without the sciences participate in Science, Technology, and Society.

Majors in the Program in Science, Technology, and Society develop a strong understanding of the practice of science and technology, which provides excellent preparation for careers in medicine, law, public policy, and university research and teaching. Minors, especially those majoring in a science, and students taking individual courses broaden their understanding of this important area of human endeavor.

### General Requirements for the Major or Minor

General university degree requirements stipulate that 1) at least four units of the major or three units of the minor be taken in residence at Puget Sound; 2) students earn a GPA of 2.0 in courses taken for the major or the minor; and 3) all courses taken for a major or minor must be taken for graded credit. Any exceptions to these stipulations are indicated in the major and minor degree requirements listed below.

## Requirements for the Major

The Bachelor of Arts degree in Science, Technology, and Society is awarded on the basis of a course of study agreed upon by the student and a committee of faculty members. During the sophomore year or by the first semester of the junior year, a student who intends to major in Science, Technology, and Society should meet with one of the directors of the Program to select a faculty member as an advisor. The student and advisor form a committee of three that includes the advisor and at least two members from the Advisory Committee for the Program in Science, Technology, and Society. The committee may include faculty outside the Program if the student's interests overlap with that faculty member's discipline. The student works with the committee to select a coherent set of courses that advance the student's educational goals. The contract goes into effect after it is signed by the student, the committee members, and one of the directors of the Program and is filed in the Office of the Registrar. The contract is reviewed periodically and justified modifications are permitted.

## Requirements for the Contract in Science, Technology, and Society

Every contract should consist of a minimum of 13 units distributed as follows:

Introductory Survey: 2 units.

STS 201, Introduction to Science, Technology, and Society I: Antiquity to 1800

STS 202, Introduction to Science, Technology, and Society II: Since 1800

Ancillary Courses: 4 units.

Two courses in the natural sciences. The remaining two courses are decided in concert with the student's STS advising committee. Depending upon the student's background and research interests, two courses will commonly include additional training in the sciences, but may also include study in history, philosophy, or some other fields necessary for the student's research project.

Electives: 5 units.

See the list of electives below. Students must take at least one class each from categories one, two, and three. The remaining two courses can be taken from any of the four categories.

Capstone course: 1 unit. Taken in Fall semester of the senior year.

STS 490, Seminar in Science, Technology, and Society

Thesis: 1 unit. Taken in Fall or Spring semester of the senior year.

STS 491, Senior Thesis

## Notes

1. Students must maintain a grade point average of at least 2.00 in all contract courses and a grade point average of at least 2.00 in the upper-division (300-400 level) courses in the contract.
2. Students must complete at least four units of the required upper-division (300-400 level) contract courses at Puget Sound. One of these 4 units may be a course taken as part of a study-abroad program, subject to approval in advance by the student's contract committee.
3. Students must gain approval for the contract before completing upper-division coursework. Courses completed before the contract is approved are subject to review by the committee prior to inclusion in the contract.

## Requirements for the Minor

A minor consists of 6 units distributed as follows.

Introductory Survey: 2 units.

STS 201, Introduction to Science, Technology, and Society I: Antiquity to 1800

STS 202, Introduction to Science, Technology, and Society II: Since 1800

Electives: 3 units.

See the list of electives below. Students must take at least one class each from any three of the four categories.

Capstone course: 1 unit. Taken in Fall semester of the senior year.

STS 490, Seminar in Science, Technology, and Society

## Electives

### 1. Studies of Particular Scientific Disciplines

CONN 305, The Idea of Archaeology

ECON 221, History of Economic Thought

PHYS 299, History and Practice of Ancient Astronomy

PSYC 331, History and Systems of Psychology

STS 314, Cosmological Thought

STS 330, The Idea of Evolution

STS 341, Modeling the Earth's Climate

STS 345, Physics in the Modern World: Copenhagen to Manhattan

STS 350, Computational Intelligence: An Introduction to Cognitive Science

STS 360, Astrobiology: The Search for Life on Other Planets and for Life's Origins on Earth

### 2. Special Topics in Science, Technology, and Society

CONN 312, Biological Determinism and Human Freedom: Issues in Science and Religion

ECON 221, Economics and Philosophy

HIST 317, European Intellectual History, 19<sup>th</sup> and 20<sup>th</sup> Centuries

HIST 376, Medicine, Health, and Disease in the United States in the Twentieth Century

PHIL 219, Seventeenth and Eighteenth Century Philosophy

PHIL 330, Epistemology: The Theory of Knowledge

PHIL 332, Philosophy of Science

PHIL 338, Space and Time

STS 318, Science and Gender

STS 340, Finding Order in Nature

STS 352, Memory in a Social Context

STS 361, Mars Exploration

### 3. Policy and Values in Science, and Technology

CONN 320, Health and Medicine

CSOC 352, Work, Culture, and Globalization

ENVR 322, Water Policy

ENVR 325, Geological and Environmental Catastrophes

ENVR 333, Science and Policy: Forest Policy in the Northwest

ENVR 335, Thinking about Biodiversity

ENVR 340, Salmon Recovery in the Pacific Northwest  
HIST 357, From Millwrights to Microchips: Business and Technology in American History  
HIST 364, American Environmental History  
PHIL 285, Morality and the Environment  
REL 364, Issues in Bioethics

## Course Offerings

Unless otherwise specified, each course carries 1 unit of credit and is offered at least once each academic year. Please see “Frequency of Course Offerings” on page 16.

**First-Year Seminars.** See *First-Year Seminars in the Core Curriculum* section of this Bulletin for course descriptions (pages 17 and 29).

### *Scholarly and Creative Inquiry* 144, Darwin in his Time

**Connections courses.** See the *Connections* section the *Core Curriculum* section of this Bulletin for course descriptions (page 37)

314, Cosmological Thought  
318, Science and Gender  
330, The Idea of Evolution  
340, Finding Order in Nature  
341, Modeling the Earth’s Climate  
345, Physics in the Modern World: Copenhagen to Manhattan  
350, Computational Intelligence: An Introduction to Cognitive Science  
352, Memory in a Social Context  
360, Astrobiology: The Search for Life on Other Planets and for Life’s Origins on Earth  
361, Mars Exploration

**201 Science, Technology, and Society I: Antiquity to 1800** This is a history of science, technology, and society in the period extending from the Paleolithic Era to the year 1800 C.E. It emphasizes both the theoretical understanding of nature and the practical mastery of the technologies of settled existence. It is the first part of a two-semester survey required of majors and minors in Science, Technology, and Society, though it is open to all students. There are no prerequisites, but the course assumes a working knowledge of biology, chemistry, intermediate algebra, and geometry at the high school level. Satisfies the Humanistic Approaches core requirement. Offered each Fall.

**202 Science, Technology, and Society II: Since 1800** Students in this course analyze the development of the physical and biological sciences throughout the nineteenth and twentieth centuries, paying special attention to the reciprocal relationship between scientific developments and their social influences. Beginning with the social and intellectual upheaval of the French Revolution and working through the first half of the twentieth century, this course surveys natural scientists’ landmark discoveries and interpretations and examines the intellectual, social, natural, and personal influences that helped shape their work. Subjects of the course include Newtonianism, creationism, natural theology, evolution, the origin and demise of electromagnetic worldview, Einstein and the development of the theories of relativity, scientific institutions and methodologies, quantum mechanics, the atomic theory, molecular biology, big science, and modern genetics. STS 202 is meant as a complement to STS 201, but the prior course, while recommended, is not a prerequisite. Satisfies the Humanistic Approaches core requirement. Offered each year.

## Special Interdisciplinary Major

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**490 Seminar in Science, Technology, and Society** This seminar is required of all majors and minors in STS, and is offered in the Fall of each year. It is a practicum in the research methods of Science, Technology, and Society in which students work closely with the instructor to develop a familiarity with research sources and strategies in close association with the staff of Collins Library. The course also provides an introduction to the historiography of Science, Technology, and Society. Students formulate major research proposals, which the majors carry forward as theses which are presented in the Spring of their Senior year.

### 491 Senior Thesis

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## SPECIAL INTERDISCIPLINARY MAJOR

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The purpose of the Special Interdisciplinary Major (SIM) is to permit exceptional students to complete their degree at Puget Sound through a course of study designed in concert by a faculty committee and the student that draws upon the curricula of two or more departments, schools, or programs. The Special Interdisciplinary Major may be in a recognized interdisciplinary field or in an emergent field. The Special Interdisciplinary Major plan of study must present a coherent program in the liberal arts and include sufficient methodological grounding in the relevant disciplines, as well as sufficient upper division coursework, to provide the student with knowledge and analytic tools sophisticated enough to permit interdisciplinary synthesis, as demonstrated in the senior thesis or project.

The pursuit of a Special Interdisciplinary Major is regarded as preferable for some students to the completion of a double major. Its purpose is not to dilute an existing major.

The Special Interdisciplinary Major is supervised by a principal advisor from a relevant department with a Special Interdisciplinary Major committee of two or more other faculty, one of whom must be from another department. All three faculty committee members supervise implementation, approve changes when necessary, and certify completion.

### Steps in the Development of a Special Interdisciplinary Major

Students interested in pursuing the Special Interdisciplinary Major must do the following:

1. Create a SIM advisory committee composed of three faculty members from departments appropriate to the topic, including one as the principal faculty advisor.
2. With the SIM advisory committee, develop a SIM application (application forms are available on line, in the Registrar's, Associate Deans, and Academic Advising offices).
3. Submit the proposal to the Curriculum Committee no later than first term, junior year. Proposals submitted to the Curriculum Committee by October 1 or February 15 will be acted upon before registration for the following term.
4. Complete the program plan approved by the Curriculum Committee. Modifications to the approved SIM program require approval by the SIM Advisory Committee and the Curriculum Committee. The Registrar will be notified of any modifications to the approved SIM program.

### Prerequisites

A student must have completed twelve (12) units at Puget Sound before applying for the SIM earning a cumulative GPA of at least 3.2 and have completed at least four (4) units of coursework relevant to the SIM before submitting a proposal.

## Requirements for the Special Interdisciplinary Major

1. A minimum of 12 courses, of which 10 must be at the 200 level or above and of which 6 must be at the 300 level or above. The major may not exceed 16 units. Nine of the 12 required courses must be completed at the Tacoma campus.
2. No more than 2 Independent Study units may be applied to the SIM. If 2 Independent Studies are proposed, one must focus on the integration of the fields within the SIM.
3. A Senior Project (SIM 490). Public presentation is required in the second semester, senior year.
4. A grade of C or higher in each course applied to the SIM.

## Application

1. The student and faculty committee prepare a proposal for a degree plan that includes the title of the degree and a list of courses with departmental signoff when the course will be offered; educational objectives of the degree and a discussion of how the proposed major will meet the objectives; an explanation of how particular courses in the proposed degree program will address the requirement of a thorough grounding in methodology in the contributing disciplines, of breadth within the major, and of depth within the major; an explanation of how existing majors and programs are not adequate to meet the educational objectives of the proposed SIM; an explanation of how the proposed major will serve the student's broader academic and career goals; a statement of how the proposed major compares to established majors in the same field at other institutions; and a recommendation of whether the degree awarded should be a BA or a BS.
2. The application will include a letter from each faculty member on the proposed SIM advisory committee evaluating the merits of the proposal and specifically addressing how particular courses in the proposed degree program will address the requirement of a thorough grounding in methodology in the contributing disciplines, of breadth within the major, and of depth within the major. These letters also address faculty preparation to support the proposed degree program.
3. The principal advisor forwards the completed package (proposal, letters, student transcript) to the Curriculum Committee for approval.

Only complete applications are considered.

**490 Senior Project** Students completing a Special Interdisciplinary Major must complete a senior project that integrates work in the major. The project can take the form of a thesis, creative project, or artistic performance. A prospectus for the project must be submitted to and approved by the student's SIM faculty committee in the semester prior to registering for the course. Completion of this course will include a public presentation of the project in the final semester of the senior year. *Prerequisite: permission of SIM committee.*

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## STUDY ABROAD

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Director: Jannie Meisberger

### About the Program

The University of Puget Sound recognizes the importance of intercultural understanding in liberal education and offers study programs in many international locations. In accordance with the mission of the university to encourage an appreciation of commonality and difference, the

## Study Abroad

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Study Abroad Program aims for students: 1) to acquire knowledge about a particular culture and language, gained through an extended period of living and learning in the host culture and 2) to develop the ability to use this acquired knowledge to move back and forth between cultures in mutually respectful interchanges, resulting in an informed appreciation and deeper understanding of oneself and others.

### Exchanges

#### Germany

**Passau** Passau is a picturesque city of 52,000 inhabitants located near the Austrian border at the junction of the Danube and the Inn rivers. Founded in 1973 and officially opened in 1978, Passau is one of the newest and smallest universities in Germany. It offers degrees in, among other disciplines, English and American studies, Germanics, History, Geography, Mathematics and Computer Science, Theology, Art History, Pedagogy, Philosophy, Political Science, Sociology, Asian Studies, and Economics. It is particularly well-known for its innovative Language Center, where students of law and business receive foreign language training in their disciplines. One student is exchanged annually from each institution for the duration of the academic year.

#### The Netherlands

**Maastricht** The Universiteit Maastricht is a well-respected university that occupies a unique position among Dutch universities, primarily because of its student-centered *problem-based learning* educational method and its international exposure. Recent rankings of business and economics departments rate the Maastricht Faculty of Economics and Business Administration as one of the best places to study Business Administration and Economics in the Netherlands. The City of Maastricht is a beautiful old town in the southernmost part of the Netherlands that has preserved its hospitable international character throughout the centuries. Maastricht's location in the center of Europe makes it attractive to students and faculty from all over the world, which enables students to live and study in a truly multicultural environment. Up to 5 semester students per year will be exchanged from each institution. The exchange has been established to enable students majoring in Business or Economics to study, in English, selected courses at the Faculty of Economics and Business Administration at Universiteit Maastricht. They are expected to follow course requirements in the same way as Maastricht students.

#### Wales

**Aberystwyth** Aberystwyth is one of the leading academic centers in Wales, housing not only the university but also the National Library of Wales, the Welsh Agricultural College, the Institute of Grassland and Environmental Research, The United Theological College, The College of Welsh Independents, and Coleg Ceredigion. The university has established strong research and teaching links with each of these institutions and others such as the British Geological Survey, the Royal Commission for Ancient Monuments Wales and the Aberystwyth Science Park, which are also located in Aberystwyth. The number of students to be exchanged in any given year is normally two; one from the University of Puget Sound and one from the University of Wales, Aberystwyth. Computer Science students are given priority. However, the exchange is also open to students from other disciplines.

### Semester / Full-Year Programs

#### Pacific Rim / Asia

**Pacific Rim** is a 9-month academic year of study-travel offered every three years. During the year of study-travel, the students earn eight (8) academic units on location in Asia, with courses



in such countries as the Republic of Korea, Japan, the People's Republic of China, Thailand, and India. The program is open to students of various academic interests and majors, though appropriate academic preparation in Asian Studies is required. A University of Puget Sound faculty member in Asian Studies/Pacific Rim directs students' academic preparation and the year of study abroad.

**Note:** Selection for this program takes place in the Spring semester **18 months** prior to departure of the program, since there are prerequisite courses and a year-long mandatory orientation. Applicants must be full-time students at the University of Puget Sound at time of application.

### Australia

**Brisbane** Located in Queensland's burgeoning Brisbane-Gold Coast corridor, Griffith University is one of Australia's leading government-funded universities, dedicated to excellence in teaching and research. Puget Sound students may choose from the full range of courses offered at three of Griffith's six campuses. The Nathan and Mt. Gravatt campuses are located just outside the City of Brisbane, and are adjacent to the Toohey Forest reserve. The campus at Gold Coast, a city located about 50 miles southeast of Brisbane, is considered one of the most multicultural cities in the world. Students may study for a semester or full year at Griffith.

### England

**Durham.** The University of Durham, founded in 1832, is the third oldest university in England. The University of Durham is modeled after the Oxbridge tradition, which encourages greater personal contact between faculty and students. Durham is an historic city which has produced notable scholars and leaders in business, sports, and the arts. The beautiful Lake District and magnificent Northumbrian coast are easily accessed from Durham. Students take courses on the university's main campus in the city of Durham. Students study for the full year only at Durham.

**Lancaster** Lancaster is one of the "new" universities, chartered in 1964, and is located on the southern perimeter of the city of Lancaster, just six miles from the coastal town of Morecambe. Lancaster is both a teaching and a research university, known in the UK and abroad for excellence in teaching and a flexible, innovative curriculum, including business, women's studies, creative writing, pre-med, and sciences. Science and pre-med students are particularly encouraged to study at Lancaster. Spring pre-med students may be able to take the MCAT in London. Students may study for one semester or for the full year at Lancaster.

**London** The University of Puget Sound participates in this semester program with four other members of the Independent Liberal Arts Colleges Abroad consortium (ILACA): Gonzaga University, Pacific Lutheran University, University of Portland, and Willamette University. Classes are held in the lovely Bloomsbury area of central London near the British Museum. The typical curriculum includes art, theatre, politics, literature, and history. A director is selected from one of the ILACA member institutions and teaches one course. All other courses are taught by British faculty. Students live with British families in residential neighborhoods of Greater London. All students preparing to go on the London program will be required to have completed two prerequisite units from a list provided by International Programs.

### France

**Dijon** The spring-only Dijon Program offers an exciting opportunity to pursue a full semester of academic work in France. Located in the heart of the Burgundy region, this province is rich in political, religious, and artistic history. All classes are taught in French and are staffed by University of Burgundy faculty. There are three levels of language study available; placement exams on arrival

## Study Abroad

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determine a student's level. Students live and take two daily meals with a French family. A meal ticket is issued for the third meal, which may be taken at a place of the student's choice. A French coordinator serves as resident director and coordinates the students' study program, housing, field trips, and cultural events. To participate, students must have successfully completed two years of college-level French, or equivalent, and pass a screening process by the Study Abroad Selection Committee. The selection process takes place in the early fall for the upcoming spring.

### Germany

**Munich** The Year of Study in Munich program is administered by Lewis and Clark College in cooperation with Reed College and Willamette University. The program is affiliated with the University of Munich. Founded in 1472, the University of Munich is considered one of the finest schools in Germany. Its Department of German is the largest in the world. Because Munich is a center of art, learning, and culture, the city offers vast opportunity for the American student. Although the Year of Study in Munich is particularly attractive to German majors, the program is also open to students in other fields, provided they fulfill the language requirement.

### Italy

**Rome** The Intercollegiate Center for Classical Studies in Rome (ICCS) was established in 1965 by representatives of ten American colleges and universities; the number of member institutions has now grown to 90. It provides undergraduate students with an opportunity in Rome to study ancient history and archaeology, Greek and Latin literature, and ancient art. This semester program is open to Classics or Art History majors only.

### Japan

**Tokyo (Waseda)** The Japan Study Program is available to students at the University of Puget Sound through an agreement with Earlham College, which houses the administrative office of the program. The program involves eleven months of study/travel, beginning in August and continuing through the end of June. The central activity of the program is course work in the International Division, Waseda University, Tokyo, in Japanese history, culture, and language. Any Puget Sound student accepted for the program registers at Earlham College, which later provides an official transcript. Students live with homestay families.

### Mexico

**Oaxaca** This fall-only program is administered by Pacific Lutheran University. Designed for advanced Spanish language students with an interest in Latin American Studies, the program explores the intersection of development, culture, and social change through the lens of the dynamic and evolving context of contemporary Mexico. Located in the southwestern Mexican state of Oaxaca--declared "Humanity's Cultural Patrimony" by the United Nations given the presence of roughly sixteen linguistically and culturally isolated indigenous communities--the program explores and affirms the rich diversity of contemporary Mexican society and culture. It engages the issues that challenge the country's continued growth and establishes a foundation to understand the history of U.S./ Mexico relations, and the Mexican experience in the United States.

### Scotland

**Aberdeen** Founded in 1495, the University of Aberdeen is one of the oldest universities in Europe. The university has a long tradition of scholarship in a relaxed and friendly atmosphere, combined with excellent modern facilities for both teaching and research. Aberdeen is a beautiful city in which to live, with superb parks and open spaces, and an excellent center from which to explore Scotland's beauty. Students may study for a semester or a year at Aberdeen.

**Edinburgh** The University of Edinburgh, founded in 1583, is located on the hills overlooking the River Forth. The University offers excellence in teaching and research over an exceptionally wide range of subjects. Edinburgh, the capital of Scotland, is a major international city and center of culture and learning, hosting the largest arts festival in the world during the summer. Students may study for the full year or for the spring semester at Edinburgh.

### **Spain**

**Granada** This fall or spring semester study-abroad program in Spain is part of the Independent Liberal Arts Colleges Abroad consortium (ILACA). Classes are taught in Spanish by resident faculty to provide as near a Spanish university experience as possible. For the spring program, a director is selected from one of the ILACA member institutions and teaches one course. Students live with homestay families.

### **Council on International Educational Exchange (CIEE)**

Puget Sound is a member of this consortium of U.S. colleges and universities. Semester, year-long and summer programs are offered in various cities throughout the world. Students may study in Santiago or Valparaiso, Chile; Monteverde, Costa Rica; Beijing, Nanjing, or Shanghai, China.

### **Institute for the International Education of Students (IES)**

Puget Sound is a member of this consortium of approximately 100 U.S. colleges and universities. Semester and year-long programs are offered in various cities throughout the world. Students may study in Buenos Aires, Argentina; Adelaide, or Melbourne, Australia; Vienna, Austria; Santiago, Chile; Beijing, China; London, England; Paris or Nantes, France; Berlin or Freiburg, Germany; Dublin, Ireland; Milan, or Rome, Italy; Nagoya, or Tokyo, Japan; Christchurch, New Zealand; or Madrid, Spain. Students may also do summer study in Dublin, Ireland; Madrid, Spain; London, England (internship program only); and Vienna, Austria (music students only).

## **Short-Term Programs**

### **Archaeology Abroad Field School**

This program is offered in the summer and is directed by Professor Edwards from the Religion Department. See the Religion section of this *Bulletin* for course details. Application is made through the Office of International Programs.

### **Taiwan Summer Program**

The Tunghai, Taiwan Program offers intensive language training in a native-speaking environment for students who wish to continue their study of Mandarin Chinese during the summer. The Puget Sound program is operated by Tunghai University in Taiwan. Tunghai University is truly a self-contained, residential community with the majority of students, faculty, and staff living on campus, complete with an elementary school, junior high school, and several stores. Puget Sound students interested in attending this program must complete the study abroad application process within the prescribed deadlines and undergo a screening process by the university Study Abroad Selection Committee.

### **Other Programs**

The University of Puget Sound also has catalogs on many other approved programs through other institutions. Visit the Study Abroad Library in International Programs and the International Programs Web page ([www.ups.edu/intlprogs/home.htm](http://www.ups.edu/intlprogs/home.htm)) for more information on programs, procedures, and university deadlines for studying abroad.

# THEATRE ARTS

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Professor: Geoffrey Proehl, *Chair*

Associate Professor: John Rindo, Jacalyn Royce

Assistant Professor: Kurt Walls

## About the Department

Theatre Arts offers courses and activities in which students learn to make, understand, and evaluate theatrical events. Majors, minors, and non-majors learn how to apply a wide range of skills and insights - acting, directing, producing, scenography, playwrighting, dramaturgy - to the theatre-making process. Theatre Arts students discover how to pursue a comprehensive education in the liberal arts through theatre making *and* a comprehensive education in theatre through the liberal arts. Through a season of faculty- and student-directed plays, including the spring Senior Theatre Festival, students learn about theatre through participation in rehearsal, production, and performance. Department productions provide the university and local community with the opportunity to experience high-quality theatre of diverse style, content, and form from a variety of historical periods. Finally, Theatre Arts endeavors to enable students who so desire to pursue further study in graduate programs and professional internships.

The department annually offers scholarships for incoming and ongoing students: deadline, February 15 (incoming); March 20 (ongoing). For information, visit [www.ups.edu/theatrearts](http://www.ups.edu/theatrearts), or contact the department coordinator at 253.879.3330.

## The Norton Clapp Theatre

This intimate theatre, located in Jones Hall, serves as the performance center for the department. All students are welcome to audition for Theatre Arts productions and participate in their technical aspects.

## General Requirements for the Major or Minor

General university degree requirements stipulate that 1) at least four units of the major or three units of the minor be taken in residence at Puget Sound; 2) students earn a GPA of 2.0 in courses taken for the major or the minor; and 3) all courses taken for a major or minor must be taken for graded credit. Any exceptions to these stipulations are indicated in the major and minor degree requirements listed below.

## Requirements for the Bachelor of Arts

Completion of the following 10 units: THTR 110; 210 or 310; 217; 313; 317; 371; 373; 475; 463; and one unit to be chosen from the following offerings: a second advanced acting class (210 or 310), 270, 306, 319, 353, 471, 476, 485, 495/496, 497/498.

## Requirements for the Minor

Completion of the following 6 units: THTR 110; 217; two of the following: 275, 371, 373, 475; two additional theatre electives of the student's choice.

**Note:** The Theatre Arts Department reserves the option of determining, on an individual basis, a time limit on the applicability of courses to a major or minor.

## Course Offerings

Unless otherwise specified, each course carries 1 unit of credit and is offered at least once each academic year. Please see “Frequency of Course Offerings” on page 16.

**First-year Seminars.** See *First-year Seminars in the Core Curriculum section of this Bulletin for course descriptions (pages 17 and 29).*

### *Scholarly and Creative Inquiry*

#### 111 Making Musical Theatre

### Other courses offered by Theatre Arts department faculty

#### HUM 120, Culture and Crisis: Dionysus and the Art of the Theatre

Satisfies Seminar in Scholarly and Creative Inquiry core requirement.

**110 Fundamentals of Acting** This introductory course is designed to develop greater confidence and awareness of the body and the voice as flexible instruments of communication. Emphasis is placed on concentration, relaxation, creativity, and action execution. Students are also exposed to the Stanislavsky ‘method’ of acting. Participation includes acting in scenes and rigorous physical activity. *Prerequisite: permission of instructor.*

**210 Acting II: Characterization and Craft** This course extends and develops the theories within the Stanislavsky system of acting. Attention is focused on psychological, emotional, physical, and intellectual processes that aid the actor when entering the world of the ‘realistic’ play. Attention is also given to mastering stage dialects, improving voice and movement, auditioning, and writing about the process of acting. Participation includes extensive scene work and rigorous physical activity. *Prerequisite: THTR 110.*

**217 Technical Theatre** This course introduces students to materials and methods used in the execution of designs for the stage. Projects provide hands-on experience with shop equipment for construction of two- and three-dimensional scenery, theatrical drafting, color mixing, scenic painting, and in the business of planning, scheduling, and organizing crews and the scenery shop for production. Reading assignments introduce major reference books in technical theatre and students begin the study of the history of scenery and technical practice. *Prerequisite: permission of instructor.*

**270 Theatre, Audience, and Society** This is a course that focuses not so much on what theatre (in some timeless sense) *is*, or on providing a snapshot of the London theatrical offering at a particular moment, but on the potentially life-changing *effect* theatre can have on its audience. Implicit is a concern with theatre, not as bland, escapist entertainment but as a powerful social, political, or therapeutic tool. The course covers five blocks: Theories of Tragedy: Plato vs. Aristotle; Social theatre: Ibsen and Shaw; Political theatre: Brecht; The theatre of Gender, Race, Sexual Orientation; and the theatre/life divide: avant-garde theatre. The class attends five London stage productions, illustrating at least three of the five categories of theatre covered in the course. Offered only as part of the ILACA London program. Satisfies the Fine Arts Approaches core requirement.

**271 The Play’s the Thing: Writing for the Stage** This drama course explores new plays on the London stage as a stimulus for personal creative writing. Students learn to build a critique of contemporary stage work, examine inspiration, probe individual creativity, evolve plot, develop character, and understand structure; above all they develop their own writing style. By the end

## Theatre Arts

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of the course they will have written a one-act play and have a solid grounding in modern theatre supported by the viewing of at least six new and current London productions. Offered only as part of the ILACA London program. Satisfies the Fine Arts Approaches core requirement.

**275 The Theatrical Experience** In this course, students explore the theatrical art form through studies in acting, directing, design, playwriting, dramaturgy, spectatorship, and theatre history. Students encounter the diversity and complexity of the theatre making process by way of readings, lectures, discussions, playgoing, and workshop performances of scenes. Using critical and analytical tools studied over the course of the semester, students learn ways of exploring the theatrical experience both orally and in writing. Satisfies the Fine Arts Approaches core requirement.

**291 Theatre Production** .25 activity unit Student participation in acting, scenery construction, lighting, costuming, and properties for a major production. May be repeated for credit.

**306 Playwrighting** This course focuses attention on the playwright as a maker and shaper of works for the theatre through an exploration of various approaches to playwrighting, as well as the study of significant contemporary American plays and playwrights. This course considers sources of inspiration for plays, strategy, plotting, characterization, and style. At the end of the semester, students present workshop performances of short plays. Crosslisted as ENGL 306. *Prerequisites: One of the following: THTR 371, 373, 475; ENGL 341, 351, 353, and permission of instructor.*

**310 The Actor and the Classic Repertoire** This language-based acting approach is designed to give contemporary actors the tools for performing in plays by Shakespeare and other Early Modern Dramatists. Students study integration of language and the body, voice exercises, actor-oriented text analysis, scansion, Elizabethan rhetoric, and cold-reading techniques for verse - all of which are also useful for acting modern plays. Exercises include a staged reading of a complete Shakespeare play and focused work on auditioning. All students also enroll in a stage combat lab. *Prerequisite: THTR 110 or permission of instructor.*

**313 Directing** An introduction to the process of theatrical direction through an intensive look at the four major 'roles' of the director - the artist, teacher, administrator, and writer. Special attention to directorial ethics, the nature of collaboration with other theatrical artists, and working with actors. The course culminates with the presentation of a one-act play. *Prerequisites: THTR 110, 210 or 310, and permission of instructor.*

**317 Scene Design** A study of the history of architecture and interior design is combined with an exploration of techniques and styles of rendering and model construction. Contemporary theory and criticism within the field of scenography, methods of research, and play analysis are examined as tools for developing valid and original designs for the theatre. *Prerequisite: THTR 217.*

**319 Costuming for the Theatre** The theory and fundamentals of costume design with practical application through rendering designs for specific characters in assigned plays are discussed. A general overview of costume history, period pattern drafting, and costume construction are examined. Offered occasionally.

**353 Shakespeare the Dramatist** The aim of this course is to remind the students that Shakespeare was a great dramatist as well as a great poet and to show students that his plays are still exciting and dynamic as theatre. The course is structured, therefore, around the Shakespeare plays which are in production at the time of the course. Five or six plays are selected. London

provides the visiting student with many opportunities to see Shakespeare's plays performed well. A visit to Stratford-upon-Avon and to its Shakespeare Memorial Theatre is also included. Offered only as a part of the ILACA London program. Crosslisted as ENGL 353.

**371 Theatre History I: From the Origins of Theatre to the Seventeenth Century** Incorporating a discussion of various theories on the origins of theatre and the human impulse to perform stories, this course explores the development of Western and non-Western dramaturgical techniques from Homer to the Spanish Golden age. Playscripts are considered as the skeletons of events and in the larger context of the communities for which they were written. Students examine the intersection of cultural history and theatrical practice by focusing on cultural context, theatrical space, and performance conventions. This course also looks at the interrelation of various ideas and stories throughout the eras and cultures studied, and discusses how these pre-modern performances continue to influence theatre today.

**373 Theatre History II: Late Seventeenth- to Mid-Twentieth-Century Theatre** Through studies in the dramaturgy of theatre students explore how, why, when, and where people have made theatre from the mid-seventeenth century to the 1950s with a particular emphasis on European modernist theatre of the late nineteenth and early twentieth centuries. By the end of the semester, students also will have learned how to begin to create detailed dramaturgical files exploring the potential performance of a particular play in a specific community.

**463 Senior Theatre Festival** Majors in Theatre Arts undertake a supervised project in their main area of interest. This could include dramaturgy, design, acting, or directing. The exact nature of the project varies but involves the extensive reading of plays, research, and the public presentation of the student's work. *Prerequisites: senior standing; Theatre Arts majors only.*

**471 Staging Gender** Society's expectations of men and women frequently surface in the themes and arguments of theatre. This course explores the performance and discussion of gender ideology in three dominant periods of Western theatre: classical Athens, early modern England, and contemporary theatre written in English. Playscripts, gender of players, modes of acting, types of performance spaces, and nature of theatrical events are considered within the context of the communities for whom the plays were written. The course also addresses the tensions between the staged lives and lived lives of women and men who were/are the subjects and audiences of the plays. Counts toward Gender Studies Minor. Offered occasionally; offered Fall 2006.

**475 Contemporary Theatre, Theory, and Performance** Through studies in the dramaturgy of contemporary theatre, students explore how, why, when, and where theatre has been made from the 1960s to the present. In addition to the emphasis on dramaturgy, literature, and history central to THTR 371 and 373, students explore in this class the relevance of contemporary critical theory to the theatre maker. This course asks students as writers, thinkers, and theatre makers to bring what they have learned in prior coursework to a next level of seriousness and sophistication. *Prerequisites: THTR 371 and 373 or permission of instructor.* Next offered Fall 2007; in Spring 2007 students can substitute THTR 485, Topic: World Dramas Old and New, for this course in the major.

**476 Shakespeare's World** William Shakespeare, Christopher Marlowe, and Galileo Galilei were each born in 1564 - what in the world was going on? This course takes an interdisciplinary look at the culture, ideas, and events of early modern Europe with a particular focus on their effects on English theatre. Readings range from Luther, Galileo, and Montaigne to Shakespeare, Jonson, and Marlowe. Crosslisted as ENGL 476. Offered occasionally; next offered Spring 2008.

## Academic Support Programs

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**485 Topics in Theatre Arts** The place of this course in the curriculum is to allow the Theatre faculty to teach intensively in their particular fields of research and expertise and to allow students an in-depth study of one period or movement important in the history of drama. Students become familiar with research tools and methods of a particular period or movement and with the issues surrounding them. May be repeated for credit. Offered occasionally; offered Fall 2006 and Spring 2007. Fall topic: Theatre, Community, and Collaboration; Spring topics: World Dramas Old and New and Acting Comedy/Musical Theatre.

### 495 / 496 Independent Study

**497 / 498 Internship** Among the requirements in this seminar is the completion of 120 hours of field experience at a site prearranged in consultation with the internship coordinator in Career and Employment Services. The seminar provides the context to reflect on concrete experiences at the site and link them to study in the student's discipline as well as the political, psychological, social, economic, and intellectual forces that shape our views on work and its meaning. The aim is to integrate the liberal arts with issues and themes surrounding the pursuit of a good and productive life. In certain preapproved instances, an individualized learning plan with a faculty sponsor may substitute for the seminar. *Prerequisite: approval of the Internship Coordinator (see description on page 281 of this Bulletin).*

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## ACADEMIC SUPPORT PROGRAMS

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### Academic Advising

Director: Jack Roundy

#### Program Mission

The primary mission of the Office of Academic Advising is to support faculty advisors in providing effective guidance and a rich body of resources for students and recent alumni as they make their academic plans. The Office also offers direct support to students at each stage of the academic decision-making process, from the time they arrive through graduation and beyond.

#### First-Year Advising Program

The First-Year Advising Program provides guidance from the moment a student enters the university. Specially assigned faculty advisors offer first-year students not only direction in their choice of classes, but also insight into the nature and importance of a university education. Faculty advisors help to plan incoming students' academic programs on the basis of their backgrounds, abilities, interests, and goals.

Each first-year student participates in the selection of his or her advisor. Beginning in April, prospective students indicate their preferences to the advising director, who then assigns them to advisors. In most cases, a first-year student's advisor will also be one of his or her instructors, ensuring the student's opportunity to seek help at any time. This classroom contact also cultivates the advising/counseling relationship between students and faculty; students, comfortable with an advisor they have come to know as teacher and friend, find it easy to discuss not only which classes to take next term but also which academic programs and career paths to consider. In some cases, first-year students will choose a faculty mentor as their advisor; mentors are assigned on the basis of academic specialty rather than classroom instruction. All first-year students are assigned peer advisors, upper-division students who can help them get to know and thrive in Puget Sound's academic programs.

First-year students meet with their advisors during fall orientation to plan their fall sched-



ules. First-year students may work with their advisors through the sophomore year or until declaring a major; majors must be declared by the end of the sophomore year. When students select a major, they are required to choose an advisor in their discipline of choice (or to request that a new advisor be assigned for them), though they may maintain their advising relationship with their first-year advisor. A student may have more than one advisor, as in the case of double majors, for example, but only the student's advisor of record may approve registration for classes.

### **Transfer Student Advising Program**

Coordinator: Carol Lentz

Transfer students are assigned to faculty advisors according to their expressed academic interests. Advisors help transfer students assess their standing toward the degree in their chosen field of study and work with them in long-range academic and career planning.

### **Upperclass Advising Program and Academic Decision-Making**

Faculty advisor assistance in academic and career planning continues for students throughout their academic careers and includes regular meetings to discuss academic programs, course scheduling, and the relationship of academic programs to career and/or further educational goals. Academic Advising also offers resources and counseling to assist students in choosing an appropriate academic major. When students select a major, they choose a new advisor in their discipline of choice. Though students may choose to have more than one academic advisor, *only students' advisors of record may approve registration for classes.*

### **Triad Program for Students with Special Academic Needs**

Coordinator: Carol Lentz

The Triad Program provides enriched advising support for students in the first-year advising program, in conjunction with the Center for Writing, Learning, and Teaching. In addition, Triad maintains an "early alert" network for students with academic and personal concerns and offers support for students in academic difficulty.

### **Graduate School Preparation**

Approximately one-fourth of Puget Sound students go on to graduate or professional school immediately after graduation, and more than half enroll in graduate programs within five years of graduation. Recognizing this, both faculty advisors and the Office of Academic Advising offer support and counsel for students planning further education. Academic Advising maintains an excellent resource library on post-baccalaureate study. The Office also serves as the primary source of counsel for students seeking admission to law school.

### **Health Professions Advising**

Coordinator: Sharon Chambers-Gorden

Faculty Advisor: Wayne Rickoll

The Graduate Fellowships and Health Professions provides special career counseling, practice interviews, letters of evaluation, and assistance in the application process for students who aspire to careers in the fields of medicine, veterinary medicine, dentistry, medical technology, optometry, podiatry, pharmacy, and related fields. Students interested in occupational therapy or physical therapy should contact the Programs in Occupational Therapy and Physical Therapy at Puget Sound. Students interested in careers in the health professions may major in any subject, but must meet minimum requirements in the sciences, mathematics, and other courses specified by

## Academic Support Programs

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the professional schools. In addition, national standardized admission examinations are required of applicants to most professional programs. Students intending to apply to medical school must complete the following eight courses before taking the Medical College Admission Test (MCAT): BIOL 111, and one additional Biology course (Cell Biology - 212 recommended); CHEM 110, 230, 250, 251; PHYS 111 or 121, 112 or 122. Biochemistry, Genetics, and Molecular Biology courses are increasingly recommended by medical schools. One semester of calculus is also required by most medical schools.

Students are encouraged to make early contact with the Health Professions Coordinator. The office, along with a resource center, which includes professional school catalogues, entrance requirements, and other information, is located in Howarth Hall Room 215. For appointments students may come to Howarth 215 or call 253.879.3329 or 2708. Students can also access information through the Health Professions Advising Web site at [www.ups.edu/community/hpa](http://www.ups.edu/community/hpa), or send an e-mail to [fellowships@ups.edu](mailto:fellowships@ups.edu).

### Pre-Law Advising

As the Law School Admission Council and American Bar Association state in their *Official Guide*, “the ABA does not recommend any particular group of undergraduate majors or courses” for pre-law students. Instead, “taking difficult courses from demanding instructors is the best generic preparation for legal education.” The LSAC and ABA recommend a curriculum that teaches “analytical and problem-solving skills, critical reading abilities, writing skills, oral communication and listening abilities, [and] general research skills.” Accordingly, Puget Sound offers no undergraduate pre-law major, encouraging students interested in the law to follow the academic program that most interests them and to seize every opportunity to take courses that will promote their critical thinking, reading, writing, and research skills.

In their early years at Puget Sound, students interested in the law should concentrate on taking challenging courses in the disciplines that intrigue them. When they reach their junior year, they should begin in earnest to research and prepare applications to law school, as well as to take the Law School Admission Test. Pre-law advisors among the faculty and in the Office of Academic Advising are available to help them with these tasks.

Resource materials for pre-law students are available in the Office of Academic Advising’s graduate study library, Howarth 101. These resources include the *Official Guide to ABA-Approved Law Schools*, books covering the law school admission process, LSAT booklets, and LSAT preparation guides.

### Career and Employment Services

Director: Kim McDowell

The Office of Career and Employment Services (CES) assists students to clarify their values, identify their skills, assess their interests, and find and secure appropriate positions in the employment community.

Students may make use of career planning resources such as a selection of interest inventories to assist them in their self-assessment process (e.g. Strong Interest Inventory, Myers-Briggs Type Indicator). Staff members in CES manage part-time, temporary, work-study, and summer employment programs both on campus and off campus for current students. Also available are workshops and individual counseling on job search techniques, résumé writing, interviewing skills, internships, and graduate school selection; an extensive resource library; on-campus interviews; Alumni Sharing Knowledge Network (consulting and referral service); listings of available part-time, summer and full-time employment opportunities; special career-related programming

events; and a wide and sophisticated range of online tools. Students and prospective students are encouraged to check out the full range of services by visiting the CES Web site: [www.ups.edu/ces/](http://www.ups.edu/ces/). Services are available throughout students' university life, as well as after they have graduated.

### Internship and Cooperative Education Program

Coordinator: Alana Jardis

The university believes that its students, as part of their regular academic preparation, should be free to experience first-hand the functional operation of a public or private organization related to their academic major. The office of Career and Employment Services, in partnership with other colleges throughout the nation, has developed online access to thousands of opportunities in the Puget Sound region, across the country and around the world. There are a wide variety of resources and services developed by staff to help students secure meaningful work experiences. It is possible to link some experiences to the curriculum for academic credit through either the internship or cooperative education programs, provided those arrangements are made prior to enrollment.

In the internship program, students from any major may earn one unit of academic credit (497/498) by 1) working 120 hours (or 8 hours per week) in their placement, *and* 2) attending a weekly seminar whose content includes analysis of the relation of liberal study to the world of work, personal and career development issues, and discussion of the internship placement experience. The program is open to both juniors and seniors carrying a 2.5 GPA, who must first be recommended by an advisor with whom they have developed learning objectives. In some cases, internship credit will count toward major requirements, provided such credit is approved in advance by the department. Students must meet with the internship coordinator to begin their search for an internship placement during the semester prior to enrollment in 497/498.

In the cooperative education program (499), students from any major may alternate semesters of on-campus study with academically-related, off-campus work experience or may undertake such work while enrolled for classes (a "parallel placement"). The program is tailored for sophomores, juniors, and seniors who seek paid work experience and a head start on their career objectives while still in school. One-quarter to one-half unit of academic credit is given for each placement based on the student's job performance and on written analysis of the work experience. In special placements that include academic seminars preapproved by the department, 1.0 unit of credit is allowed. Cooperative Education courses must be taken pass/fail.

### External Fellowships and Scholarships

Coordinator: Sharon Chambers-Gordon

Faculty Adviser: Michael Curley

Students have many opportunities to earn external scholarships, fellowships, or other special support for postgraduate travel, research, and study; and some external awards support upper division undergraduate study. The Fellowships Coordinator works in collaboration with a Fellowships Faculty Adviser as well as faculty designates to assist students in applying for external fellowships and scholarships awards, including the Rhodes, Marshall, Gates Cambridge, Mitchell, Mellon, Fulbright, Truman, Howard Hughes, Goldwater, Rotary, and other awards such as the Jack Kent Cooke Graduate scholarship. Success in achieving external scholarships and fellowships demands early and strategic planning. Students are encouraged to begin the exploratory process during spring semester of their first year, and during their second year begin working with the Fellowships Office and faculty designates to initiate the application process. For appointments

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students may come to Howarth 215 or call 253.879.3329 or 253.879.2708. Students can also access information at [www.ups.edu/fellowships](http://www.ups.edu/fellowships) or send an e-mail to [fellowships@ups.edu](mailto:fellowships@ups.edu).

### The Center for Writing, Learning, and Teaching

Director: Julie Neff-Lippman

The Center for Writing, Learning, and Teaching is a place where students come to enhance their Puget Sound education. The Center helps students at all levels develop their full academic potential.

A wide range of services and programs are designed to promote effective and independent learning. Students may take classes to improve their their reading speed and comprehension. They may meet with a professional staff member for assistance with developing strategic learning competencies or with a peer for tutoring in specialized content areas. They may also take advantage of workshops on various topics or join a peer-led study group.

The Center also helps students from all academic disciplines develop their ability to use writing as a tool for thinking and learning. With the assistance of faculty or specially trained peer writing advisors, students learn how to overcome writer's block, approach an assignment, and assess the audience and purpose of a paper. Working on a one-to-one basis with a writing advisor, students also receive help with organizing their ideas, writing a strong thesis statement, and reviewing their written work to make it correct, clear, direct, and persuasive.

Prospective graduate students use the Center's resources to receive thoughtful advice on scholarship and graduate and professional school applications.

In addition, the Center administers placement testing for first year students and foreign language proficiency assessments and works closely with advisors, faculty, and students in interpreting test scores and suggesting appropriate courses. The Center is also home to the Office of Disability Services.

The Center advises faculty members on ways of using writing in their courses and provides faculty development opportunities. For appointments, students may come to Howarth 109 or call 253.879.3395.

### Services for Persons with Disabilities

The University of Puget Sound is committed to providing program access and appropriate support services to individuals with disabilities. For details regarding eligibility and possible accommodations, refer to the Disabilities Office Web site at [www.ups.edu/CWL/disabilities\\_home.htm](http://www.ups.edu/CWL/disabilities_home.htm) or contact the Coordinator of Disabilities Services in the Center for Writing, Learning, and Teaching at 253.879.3395 or TDD 253.879.3399. The complete disability policy is published in the *Logger* and at [www.ups.edu](http://www.ups.edu).

### Office of Information Services

Associate Vice President: Norman Imamshah

The Office of Information Services supports the computing and information technology needs of the university's curricula by providing students, faculty, and staff with access to computers and software for instruction and research, and offering technical support, training, and consultation on a wide variety of projects. Among the university's computer resources are contemporary SUN, UNIX, LINUX, Windows, and MacIntosh systems and desktop platforms; over 400 computers for students in over twenty different facilities, and twenty-six electronic classrooms.

The campus backbone connects all main campus buildings, residence halls, and university-owned houses with 100 megabit per second fiber connections. The university is connected to the Internet via a fractional DS-3 connection. Network services include local and Internet mail,

news, file, and Web servers. Personal systems in the residence halls and university-owned houses may be connected to the campus network at speeds of 100 megabits per second. All students have e-mail accounts and network-based file storage for their individual use. E-mail kiosk stations are available for walk up use in Wheelock Student Center, Wyatt Hall, and the Field House. Wireless access points are strategically located in the Collins Library, Thompson Hall labs, Wyatt Hall second floor, Jones Hall second floor, the Wheelock Student Center, and Todd/Phibbs residence hall.

The Tech Center on the ground floor of the Collins Library includes a multimedia computer lab, wireless connectivity, and also offers a one stop place for students to get professional, courteous help with computing and multimedia questions during the week and on weekends. The Instructional Technology staff supports faculty and students by providing assistance in exploring and implementing relevant learning and teaching technologies, including support for electronic classrooms and computer labs and projects involving digital technology as well as managing digital assets and supporting online course management systems. The digital multimedia lab includes dedicated computers for digital video editing, digital audio editing, VHS video dubbing stations, digital scanning stations, film printing equipment, multimedia workstations for creating digital image projects, presentations, and Web site design.

General access computer labs in the Collins Library, Thompson, and McIntyre offer all students access to Macintosh and Windows computers, along with selected word processing, spreadsheet, database, graphics, and statistical software packages. The labs also offer instructional software to support a variety of classes. Additional computing facilities are available in smaller clusters and departmental labs throughout campus, including dedicated computer labs for student use in the following departments: Art, Music, Psychology, Geology, Chemistry, Biology, Physics, Mathematics and Computer Science, Exercise Science, Occupational Therapy and Physical Therapy, and Foreign Languages. There are several computing clusters with print facilities strategically located in the residence halls. All students may avail themselves of virus-checking software at no charge and purchase selected Microsoft products at discounted prices in the Bookstore.

Three computer-based classrooms in Wyatt Hall support instruction in foreign languages, composition, and other courses. Wyatt Hall also houses five electronic classrooms, including a state-of-the-art Art History lecture room. Network jacks are located in seating areas in Wyatt, as well as the Collins Library and Wheelock Student Center.

The Advanced Computing Lab provides a state-of-the-art Linux and Windows workstation environment for upper-division courses in computer science, as well as faculty and student research in computer science, mathematics, and the sciences. Software includes computer graphics packages, programming languages, and mathematical and statistical software.

The Associated Students of the University of Puget Sound (ASUPS) in collaboration with the Office of Information Services has formed the Student Technology Advisory Board (STAB) to discuss and inform the technology decisions of the university in ways that support student learning, research, and student life experiences.

### **Collins Memorial Library**

Director: Karen Fischer

Collins Memorial Library is an important part of students' educational program. Its collection and services support study and research on campus. During Fall and Spring terms it is open seven days a week and most nights until 2 a.m. There are both spaces for quiet individual study and for group collaborations. The collection consists of over 550,000 volumes of books and paper journals, as well as music CDs, movie DVDs, state and federal documents, and online access to over 20,000 electronic journals and over 100 databases and indexes. The Library also houses the

## Academic Policies

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university Archives and a small collection of rare books.

The master index to the Library's resources is its Web site [www.ups.edu/library.xml](http://www.ups.edu/library.xml) which links to both SIMON, its online catalog, and SUMMIT, the online catalog to 25 million non-journal items available through the Orbis-Cascade Alliance library consortium. The consortium includes most academic libraries in Washington and Oregon. Materials are delivered via library courier within 48 hours. In addition, Collins participates in other cooperative interlibrary loan agreements with libraries throughout the country to ensure access to individual journal articles.

The Library staff provides help in finding and locating appropriate materials for class projects. Librarians are available for individual research appointments with students and for course-related instruction sessions by faculty request. Collins Library is fully networked and provides data ports and wireless access for individual laptops throughout the building's seating. The Library's Information Commons, available to users with university network account, has 35 computer workstations equipped with desktop, graphics, and e-mail functionality.

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## ACADEMIC POLICIES

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The university reserves the right to change the fees, rules, and calendar regulating admission and registration; to change regulations concerning instruction in and graduation from the university and its various divisions; to withdraw courses; and to change any other regulation affecting the student body. Changes go into effect whenever the proper authorities so determine and apply not only to prospective students, but also to those who, at that time, are matriculated at the university.

Information in this *Bulletin* is not to be regarded as creating a binding contract between the student and the school.

The university also reserves the right to deny admission to any applicant; to dismiss when formal academic action is taken by the Academic Standards Committee; to discontinue the enrollment of any student when personal actions are detrimental to the university community; or to request withdrawal of a student whose continuance in the university would be detrimental to his or her health or to the health of others.

The *Logger* (available on the university's Web site) is the comprehensive repository of academic policies. See the *Logger* for policies not included in this *Bulletin*, including policies on athletic eligibility, course requirements, grades, withdrawal, graduation requirements, honors, grievances, independent study, leaves of absence, petitions for exceptions, registration, transfer, study abroad, Student Integrity Code, Sexual Harassment Policy, Alcohol and Drug Policy, and Residence Policy.

### Classification of Students

**Undergraduate Students**, matriculated candidates for a baccalaureate degree, are classified as freshmen, sophomores, juniors, or seniors. These class standings are defined as follows:

**Freshman** A student with fewer than 7 units earned toward a degree.

**Sophomore** A student with at least 7 but fewer than 15 units earned toward a degree.

**Junior** A student with at least 15 but fewer than 23 units earned toward a degree.

**Senior** A student with at least 23 units earned toward a degree.

**Graduate** A student with a baccalaureate degree, enrolled in undergraduate or graduate courses, who is not a candidate for a graduate degree.

**Degree Candidate** A student who, after being admitted with graduate standing, applies to and is admitted by the Director of Graduate Study into a graduate degree program.

**Non-Matriculant** A student who does not intend to pursue a degree, including those wishing to audit courses. A non-matriculant must complete an admission agreement form, which may be obtained from the Office of Admission, prior to enrollment. (No more than 3 units taken as a non-matriculant may be applied toward a University of Puget Sound undergraduate degree.)

## Academic Load

These definitions are for university use. Programs regulated by external agencies may have other criteria for academic load. Financial aid programs, in particular, may use other definitions.

**Full-time** A student enrolled for 3 or more units of coursework is a full-time student.

**Part-time** A student enrolled for fewer than 3 units of coursework is a part-time student.

**Overload** The normal undergraduate courseload is 4 academic units per semester, and the student may enroll in an additional activity course. Any other academic coursework above 4 and one-quarter units is an overload and must be approved by the student's faculty advisor. Academic performance frequently suffers when an overload is taken. For details on charges for overload registration, refer to the "Schedule of Tuition and Fees" in this *Bulletin*.

## Registration

Dates for registration for each session are listed in the university calendar. Questions concerning registration, including repeat registration for the same course, should be directed to the Office of the Registrar.

### Change of Registration

The student is held responsible for each course for which he or she officially registers. After the last published day to add or enter a course, courses may be dropped but none added.

### Withdrawal from the University

A student who finds it necessary to withdraw from the university should apply for formal withdrawal through the Office of the Registrar. If this procedure is not followed, failing grades may be assigned. Failure to complete the term does not cancel the student's obligation to pay tuition and all other charges in full. For specific details regarding refunds and adjustments, refer to the "Refunds and Adjustments" section in this *Bulletin*.

### Concurrent Enrollment

A degree-seeking student may not be enrolled at the University of Puget Sound and another post-secondary institution during the same term unless such registration is approved in advance by petition to the Academic Standards Committee.

### Independent Study

Students wishing to do independent study in academic areas not covered by existing courses in the curriculum may obtain a copy of the Independent Study Policy in the Office of the Registrar. If the conditions required for doing independent study are met, the student may complete an Independent Study Contract and submit it at the time of registration. To do independent study, a student must have junior or senior class standing and a cumulative grade average of at least 3.00. All independent study courses carry the numbers 495 or 496 for undergraduate and 695 or 696 for

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graduate degree candidates. No more than four independent study courses may count toward the bachelor's degree and no more than two toward a graduate degree. No more than one independent study may be taken in a single term.

### Explanation of Credit

For purposes of transferring credit, one unit is equivalent to 6 quarter hours or 4 semester hours.

### System of Grading

Letter Grades	Grade Points Per Unit
A	4.00
A-	3.67
B+	3.33
B	3.00
B-	2.67
C+	2.33
C	2.00
C-	1.67
D+	1.33
D	1.00
D-	.67
P (Pass, C- or higher)	0 (not computed in GPA)
F (Fail)	0 (computed in GPA)
W (Withdrawal)	0 (not computed in GPA)
WF (Withdrawal Failing)	0 (computed in GPA)
AU (Audit)	0 (not computed in GPA)
I (Incomplete)	0 (not computed in GPA)
IP (In Progress)	0 (not computed in GPA)

An explanation of these grades and grading policy is in the *Logger*, available on the university's Web site.

### Grade Reports

Grades are accessed by students through their Cascade Web accounts at <http://cascade.ups.edu>. Grades are also provided to academic advisors.

Because of federal privacy laws, grades are not automatically mailed to parents. A student who wishes parents to receive grades may complete a request for parent grade report in the Office of the Registrar, Jones 013. When this form is completed, parents will receive grade reports automatically until the request is revoked in writing by the student.

Grade reports are not released to students or to parents of students whose financial accounts are in arrears.

### Academic Standing

The Academic Standards Committee will review the record of each student whose cumulative grade average is below 2.00 at the end of any term. A student whose average is below 2.00 will be put on academic probation for one term. If the average remains below 2.00 for a second term, the student may be dismissed from the university.

Academic expulsion may occur in severe situations, usually involving academic dishonesty. Academic expulsion is permanent dismissal from the university.

See the *Logger* for the full probation/dismissal policy.



## Transfer Evaluation

A University of Puget Sound student wishing to take a course at another institution for transfer to Puget Sound should obtain a transfer evaluation request from the Transfer Evaluator in the Office of the Registrar, Jones 013. When properly completed and signed by the appropriate staff person in the Office of the Registrar, the form provides assurance that the course will transfer, and will fulfill a core requirement or a departmental requirement, when appropriate. (See regulations regarding concurrent enrollment.)

## Student's Rights and Responsibilities

It is the responsibility of the student to become familiar with all academic and administrative regulations and procedures relating to his or her course of study at the university. Academic policies and regulations are printed in the *Logger*, available on the university's Web site.

A student may petition the Academic Standards Committee for the waiver of some university academic regulations when extraordinary conditions indicate such a waiver is in the student's best educational interest and will not compromise standards. Some requirements are not petitionable. For reference, see the Petitions for Exceptions section in the *Logger*. Petition forms may be obtained in the Office of the Registrar, Jones 013.

## The Family Educational Rights and Privacy Act (FERPA)

The Family Educational Rights and Privacy Act (FERPA) affords students certain rights with respect to their education records. They are:

1. The right to inspect and review the student's education records within 45 days of the day the university receives a request for access.

Students should submit to the registrar, head of the academic department, or other appropriate official, written requests that identify the record(s) they wish to inspect. The university official will make arrangements for access and notify the student of the time and place where the records may be inspected. If the records are not maintained by the university official to whom the request was submitted, that official shall advise the student of the correct official to whom the request should be addressed.

2. The right to request the amendment of the student's education records that the student believes are inaccurate or misleading.

Students may ask the university to amend a record that they believe is inaccurate or misleading. They should write the university official responsible for the record, clearly identify the part of the record they want changed, and specify why it is inaccurate or misleading.

If the university decides not to amend the record as requested by the student, the university will notify the student of the decision and advise the student of his or her right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing.

3. The right to consent to disclosures of personally identifiable information contained in the student's education records, except to the extent that FERPA authorizes disclosure without consent.

One exception which permits disclosure without consent is disclosure to school officials with legitimate educational interests. A school official is a person employed by the university in an administrative, supervisory, academic or research, or support staff position (including law enforcement unit personnel and health staff); a person or company with whom the university has contracted (such as an attorney, auditor, or collection agent); a person serving on the Board of Trustees; or a student serving on an official committee, such as a disciplinary or

grievance committee, or assisting another school official in performing his or her tasks.

A school official has a legitimate educational interest if the official needs to review an education record in order to fulfill his or her professional responsibility.

The university discloses education records without consent to officials of another school in which a student seeks or intends to enroll.

4. The right to file a complaint with the U.S. Department of Education concerning alleged failures by the university to comply with the requirements of FERPA. The name and address of the Office that administers FERPA are:

Family Policy Compliance Office  
U.S. Department of Education  
400 Maryland Avenue, S.W.  
Washington, D.C. 20202-4605

### Public Notice Designating Directory Information

The University of Puget Sound hereby designates the following categories of student information as public or “Directory Information.” Such information may be disclosed by the institution at its discretion.

**Category I** Name and current enrollment.

**Category II** Local and permanent addresses and telephone numbers.

**Category III** Date and place of birth, dates of attendance, class standing, previous institution(s) attended, major field of study, awards, honors (including Dean’s List), degree(s) conferred (including dates), full-time or part-time status, class schedule.

**Category IV** Past and present participation in sports and activities, and physical factors (height, weight of athletes), photograph.

**Category V** E-mail addresses

Currently enrolled students may withhold disclosure of any category of information. To withhold disclosure, written notification must be received by the Office of the Registrar prior to September 10 at: University of Puget Sound, 1500 N. Warner, Tacoma, WA 98416-0012. Forms requesting the withholding of “Directory Information” are available in the Office of the Registrar, Jones 013. The institution will honor a request to withhold directory information in any of the categories listed but cannot assume responsibility to contact the student for subsequent permission to release such information. Regardless of the effect upon the student, the university assumes no liability as a consequence of honoring instructions that directory information be withheld.

The University of Puget Sound assumes that failure on the part of any student specifically to request the withholding of categories of “Directory Information” indicates approval for disclosure.

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## ADMISSION TO THE UNIVERSITY

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Vice President for Enrollment: George H. Mills, Jr.  
Associate Vice President for Enrollment: Jon Wexler  
Director of Freshman Admission: Melanie Reed  
Director of Admission Communications: Todd Orwig  
Admission Coordinator: Paula Meiers  
Associate Directors of Admission: Britten Snider, Zach Street  
Assistant Director of Admission: Carolyn Johnson; Mike Rottersman  
Admission Counselor: Daniel Follmer  
Director of Access Programs: Kim Bobby  
International Student Coordinator: Sally Sprenger

Each applicant to the university should present those qualities of character and the seriousness of purpose which would indicate that he or she will benefit from and contribute to the university community. Each applicant is given individual consideration. A careful evaluation is made of the student's curricular and cocurricular record.

### Primary criteria for admission

1. Graduation from an accredited high school and, if applicable, evidence of satisfactory work in an accredited college or colleges.
2. Course selection and cumulative grade-point average.
3. Rank in graduating class (freshmen only, if available).
4. Scores from the College Board SAT I or the American College Test (ACT).
5. Counselor or advisor and/or teacher evaluation. Two evaluations are preferred.
6. A personal essay.
7. A personal interview, while not required, is encouraged.

Admission to the university extends the privilege of registering in courses of instruction only for the term stated in the letter of acceptance. The university necessarily reserves the option to refuse extension of this privilege and to deny any initial application.

**Recommended high school course preparation for admission.** The Admission Committee recommends that students complete the following pattern of coursework in high school as preparation for the University of Puget Sound. The Committee recognizes that because the university is committed to maintain a national student body, course patterns will vary considerably. Therefore, this pattern of coursework is recommended, but not required: English - four years; Mathematics - three/four years; History/Social Studies - three years; Foreign Language - two/three years of a single language; Natural/Physical Laboratory Science - three/four years; and Fine/Visual/Performing Arts - one year.

**Campus visits.** Prospective students are encouraged to visit campus while classes are in session. Throughout the year, admission counselors are available to conduct interviews and answer questions. Tours led by current Puget Sound students are available Monday through Friday from 9 a.m. to 4 p.m. or on Saturday by special appointment (Saturday visits are not available May through July).

Visitors may attend classes in their area of interest during regular class sessions. Arrangements can be made for visiting students to stay in a residence hall for one night, Sunday through Thursday. Visiting students are given passes to campus events and meal service.

## Admission

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The Office of Admission is closed during Thanksgiving Holiday and Winter Holiday. During Fall Break, Winter Break, Spring Recess, and Summer Break only limited services are available because classes are not in session during these times. Please consult the academic calendar in this *Bulletin* for specific dates.

To arrange a campus visit or for further information, please contact the Office of Admission, University of Puget Sound, 1500 N. Warner St. #1062, Tacoma, WA 98416-1062, telephone: 253.879.3211, 800.396.7191, e-mail: [admission@ups.edu](mailto:admission@ups.edu). Before scheduling a campus visit, prospective students may want to browse the university Web site at [www.ups.edu](http://www.ups.edu) to learn about campus activities and events that may be of interest. All scheduled visits will be confirmed by the Office of Admission, either by telephone, mail, or e-mail prior to arrival.

### Freshman Admission

Except for Early Admission or Simultaneous Enrollment, prospective freshmen may apply for admission any time after the beginning of the senior year in high school.

**Regular Admission Plan.** For regular applicants, notification of admission decisions is on or before April 1. Applicants not clearly admissible, based on the record through the junior year, may be requested to provide a transcript of the first term of the senior year before an admission decision is made. Personal interviews or other additional information may be also requested.

To assure maximum consideration for financial assistance and on-campus housing, students applying to enter the university for fall should apply no later than February 1 of the same year. The Committee on Admission will continue to consider applications received after this date on a space-available basis. The university subscribes to the National Candidates' Reply Date of May 1 and does not require advance payments prior to this date; however, those freshmen planning to reside on campus should forward the Residential Programs Deposit upon deciding to enroll at Puget Sound, since those reservations will be honored on a first-come, first-served basis. Students considering the university after May 1 should know that their chances for on-campus housing are diminished and not guaranteed. **Advance deposits are not refundable after May 1.**

**Early Decision Plan.** Students who wish to apply to the University of Puget Sound early in their senior year may want to consider the Early Decision plan. Two Early Decision deadlines are available. For Early Decision I, the application for admission is due on November 15. The student receives a notification of acceptance which is mailed on December 15 (along with a tentative notification of financial aid, if admitted, and if it has been applied for), and the student pays an advance tuition deposit by January 15. For Early Decision II, the application for admission is due on December 15. The student receives a notification of acceptance which is mailed on January 15 (along with a tentative notification of financial aid, if admitted, and if it has been applied for), and the student pays an advance tuition deposit by February 15. The Early Decision plan applies to fall term admission only. Deposits made by Early Decision candidates are not refundable.

Early Decision (I & II) is a binding agreement. Students may apply to other colleges simultaneously, but if they are admitted under the Early Decision Plan, they are committed to enroll at the University of Puget Sound. Students accepted under this plan are expected to withdraw their applications from other colleges and submit an advance tuition deposit to the University of Puget Sound.

To receive initial notification of need-based financial aid by December 15 (Early Decision I) or January 15 (Early Decision II), students should submit their customized financial aid PROFILE to the College Scholarship Service (CSS) by November 1 (Early Decision I) or December 1 (Early Decision II), listing the University of Puget Sound (code #4067). Because PROFILE requires

a registration process, students should be sure to submit their registration packet to CSS by October 15 (Early Decision I) or November 15 (Early Decision II) in order to receive their customized PROFILE back in time to apply by November 1 (Early Decision I) or December 1 (Early Decision II). Students may file their customized PROFILE after November 1 (Early Decision I) or December 1 (Early Decision II), but should then expect to receive their financial aid results somewhat later than December 15 (Early Decision I) or January 15 (Early Decision II).

All students applying for financial aid must submit the Free Application for Federal Student Aid (FAFSA) as soon as possible after January 1. Official award decisions will be mailed to students beginning March 15, if their FAFSA has been received at the processors by February 1.

For complete information on financial aid and scholarship opportunities, please refer to the “Student Financial Services” section of this *Bulletin*.

**Early Admission.** Advanced high school students who have not completed graduation requirements may apply for admission to the University of Puget Sound prior to graduation from high school. Admission is contingent upon an outstanding high school record, test scores, and recommendations from the secondary school head or principal, the student’s college counselor or advisor, and the student’s parents or guardians.

**Simultaneous Enrollment While in Secondary School.** Students who have advanced beyond the levels of instruction available in their secondary school may enroll simultaneously in courses at the University of Puget Sound and at their secondary school. Admission is contingent upon an outstanding high school record and recommendations from the secondary school head or principal, the student’s college counselor or advisor, and the student’s parents or guardians. Students must pay a “per-unit” rate for courses taken at Puget Sound.

**Deferred Freshman Admission.** Admitted freshman applicants who wish to defer their admission may do so for one year. Applicants who wish to defer their enrollment must submit a \$100 advance tuition fee to hold their place in the next class and a \$200 Residential Programs deposit to reserve a living space. The \$100 advance tuition fee and \$200 Residential Programs deposit become non-refundable at the time of the deferment.

**Freshman Admission Procedures.** To apply for admission, a prospective freshman must submit the following credentials to the Office of Admission. Please note that all application materials become the property of the university unless otherwise indicated in writing when the application is submitted. Photocopies or facsimile (FAX) copies of any official documents may be sent, but an application is not considered complete until original documents are received.

1. *Application for Freshman Admission.* This form is available from the Office of Admission or online. The university is a member of the Common Application Colleges and Universities and welcomes the applicant to use the Common Application form.
2. *Transcripts.* An official high school transcript that includes an applicant’s 9th through 11th grade academic record should be forwarded to the Office of Admission.
3. *Tests.* Applicants must take either the SAT I or the American College Test (ACT) and request that the results be forwarded to the Office of Admission. Applicants are personally responsible for making the appropriate testing arrangements.
4. *Secondary School Report/Teacher Evaluation.* Applicants should submit these forms to the appropriate persons. The applicant’s respective evaluators should forward the completed forms along with a personal recommendation to the Office of Admission.
5. *Early Decision Statement.* Applicants must sign the Early Decision Agreement included in

## Admission

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the Application for Freshman Admission if Early Decision admission is desired.

6. *Application Fee.* A \$40 (U.S. funds) non-refundable processing fee must be submitted with the Application for Freshman Admission. Official fee waivers are acceptable.

*Advanced Placement.* The university participates in the Advanced Placement Program of the College Board. The university normally will grant lower division credit for scores of 4 or 5 on an Advanced Placement (AP) Examination, and in selected instances for scores of 3. Students may be allowed up to a total of eight (8) units based on AP results. In no case may AP credit be applied toward university core requirements, but in some cases students may earn exemptions from first-year Puget Sound courses. Students earning course exemptions must be careful in their course selections, since any student who earns an exemption from a Puget Sound course and then completes that course (or a course preparatory to the exempted course) is subject to a revision of the original AP evaluation and a possible reduction of credit. The university's goal in granting credit for AP Exams is to award students a fair amount of credit for their advanced study in high school; to ensure that students are placed in the next appropriate course, should they continue to study in that discipline; and to direct students into courses that will supplement their academic achievement in high school. Details regarding specific examinations, grade requirements, credit awards, and course exemptions are available from the Office of the Registrar.

*International Baccalaureate.* The University of Puget Sound will grant one (1) unit of lower division credit for a student's results on each International Baccalaureate (IB) Higher Level Examination passed with a score of 5, 6, or 7. Additionally, one (1) unit of lower division elective credit will be allowed for the Theory of Knowledge if a student has earned the IB Diploma. Students will be allowed up to a total of six (6) units based on IB results. Students earning IB credit should note that IB results may apply as electives or to a major/minor but may not be applied to university core requirements. Students earning course exemptions for IB work must be careful in their course selections, since any student who earns an exemption from a Puget Sound course and then completes that course (or a course preparatory to the exempted course) is subject to a revision of the original IB evaluation and a possible reduction of credit. The university's goal in granting credit for IB Examinations is to award students a fair amount of credit for their advanced study in high school; to ensure that students are placed in the next appropriate course, should they decide to continue study in that discipline; and to direct students into courses that will supplement their academic achievement in high school. Details regarding specific course exemptions are available from the Office of the Registrar.

*College Classes While in High School* (including Running Start). The university will review courses taken for college credit while a student is enrolled in high school only if those classes are regularly scheduled college-level classes taken in a college classroom. Such courses are reviewed on a case-by-case basis to determine if credit will be granted. The student must submit both the high school and college transcripts to have the courses reviewed for possible credit.

### Transfer Admission

Students who have attended other regionally accredited colleges or universities may apply for admission with advanced standing. Each student is admitted on a selective basis. The following general criteria are applied:

1. Honorable dismissal from the institution(s) previously attended.
2. Good academic standing at the institution last attended, with a minimum cumulative grade point average of 2.0 to be considered.

**Transfer of Credit.** The university will evaluate for transfer all courses which are appropriate to a Puget Sound baccalaureate degree program. Transferability will be determined through a course evaluation in accordance with the policies established by the faculty and administration.

To be transferable, a course must be offered by a regionally accredited college or university recognized by the University of Puget Sound. A course must be instructed in an environment which promotes creative, analytic thought for the exchange of ideas, and strives for academic excellence at the post-secondary level. Personal development, remedial, technical, or vocational courses are not transferable.

## General Policy for Transfer Students

1. One University of Puget Sound unit is equivalent to four semester credits or six quarter credits.
2. Transfer students are limited to 16 units (96 quarter credits or 64 semester credits) of transfer credit and must earn at least 16 more units at Puget Sound to complete the 32 units required for a bachelor's degree.
3. The maximum activity credit allowed within a Puget Sound degree program is 1.50 units. Activity credit includes athletics, music performance, theatre performance, forensics, and any other student participation program.
4. Advanced Placement (AP) or International Baccalaureate (IB) examination scores must be submitted with the application materials. Puget Sound does not provide credit for CLEP examination scores or for military training.
5. No more than a combined total of four (4) units of self-paced study (e.g., online and electronic) courses are accepted in transfer. Such courses do not fulfill university core requirements. Additionally, students requesting transfer credit for such courses must provide a course syllabus or outline.
6. No more than four (4) academic units taken with a pass/fail or credit/no credit grading option may apply toward the 32 units required for graduation. In addition, all university core requirements must be taken for a letter grade.
7. All coursework will be evaluated on an individual basis to determine fulfillment of university core requirements. Sophomore transfer students may complete 4 core requirements and the foreign language requirement with transfer credit while junior transfer students may complete 5 core requirements and the language requirement with transfer credit. All students must complete the Connections core requirement at Puget Sound. Courses that transfer in fulfillment of core requirements may not be completed through independent study nor graded on a pass/fail basis.
8. Sixteen units must be completed in residence in order to obtain a Puget Sound degree. At least four (4) units for a major and three units for a minor must be completed in residence.
9. Following admission to and enrollment in the university, if it is learned that a student misrepresented his or her academic record when applying for admission, he or she may be subject to immediate expulsion.

## Special Regulations

1. Within a baccalaureate degree program, the university makes a clear distinction between the first 16 units (freshman-sophomore years) and the last 16 units (junior-senior years) of coursework. The following educational programs are considered part of the freshman-sophomore years, and are acceptable in transfer to a combined total of 16 units:
  - Accredited College or University
  - Advanced Placement (AP)
  - International Baccalaureate (IB)

## Admission

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These educational programs are also subject to the individual transfer credit limits established by the university before being accepted into a degree program.

2. Once a student has 16.00 or more units, that student cannot count credit earned through one of the above freshman-sophomore level educational programs toward the Puget Sound degree.
3. Credit will not be granted for dual enrollment or simultaneous matriculation with two or more institutions.
4. Specific courses not commonly offered in baccalaureate degree programs will be examined. If equivalencies can be established by the appropriate departments, schools, or administrative officers, the courses will be acceptable for transfer.
5. Decisions are petitionable to the Academic Standards Committee for just cause.

**Transfer Admission Procedures.** Credentials required for admission to the university with advanced standing include the following. Please note that all application materials become the property of the university unless otherwise indicated in writing when the application is submitted. Photocopies or facsimile (FAX) copies of any official transcripts or test scores may be sent, but an application is not considered complete until original documents are received.

1. *Application for Transfer Admission.* This form may be obtained from the Office of Admission or online.
2. *Transcripts.* Official transcripts of the student record from each college and university previously attended, and, upon request, a high school transcript, must be sent to the Office of Admission. Any student who has completed less than one full year of college work should submit a high school transcript and examination results from the SAT I or ACT. Also, any student who enrolled in college-level courses while in high school must submit a high school transcript. Such transcripts must be sent directly to the university by institutions previously attended and not by way of the student. Official evaluation of the transcripts will be provided to the student upon acceptance for admission.
3. *Application Fee.* A \$40 (U.S. funds) non-refundable processing fee must be submitted with the Application for Transfer Admission. Official fee waivers are acceptable.
4. *A Transfer College Clearance Form* (included in the Transfer Admission). This form may be obtained from the Office of Admission or online.
5. A personal essay or a copy of a graded college paper.
6. Official scores of any non-traditional work must be submitted with the application materials. This would include Advanced Placement (AP) or International Baccalaureate (IB) examination scores. No credit is given for military experience or CLEP examination scores.

Undergraduate students who formerly have attended the university (as regular matriculants) but have not been in attendance for one or more terms (excluding Summer Session) must re-apply by filing an Application for Transfer Admission with the Office of Admission and providing official transcripts of all work taken during the period of absence. Returning graduate students need not re-apply for admission.

## Reservations, Payments, and Health Forms

**Freshmen.** A Certificate of Admission, a Letter of Acceptance, and a Reservation Statement, are issued to each candidate as notification of acceptance.

An advance tuition deposit of \$100 is required for each new student and reserves a place in the student body. This payment should be forwarded to the Office of Admission with the Reservation Statement upon receipt of the Certificate of Admission by May 1.



The advance tuition deposit for fall semester is refundable only if the request for refund reaches the Office of Admission before May 1 preceding the term in which the student would have enrolled (refund requests for spring semester deposits must be received two months preceding the term in which the student would have enrolled).

If university housing is desired, a \$200 Residence Life Deposit must be forwarded to the Office of Admission. Students are advised to return the form immediately upon receiving their acceptance. The Residence Life Deposit for fall semester is refundable only if the request for a refund reaches the Office of Admission before May 1 preceding the term in which the student would have enrolled (refund requests for spring semester deposits must be received two months preceding the term in which the student would have enrolled).

Students are responsible for return of the medical history and immunization form prior to enrollment. This history and immunization form is provided to students prior to the term in which that student plans to enroll.

**Transfer Students.** A Letter of Acceptance, a transfer evaluation, and a Reservation Statement, are issued to each advanced standing candidate as notification of acceptance.

An advance tuition deposit of \$100 is required for each new student and reserves a place in the student body. The advance tuition deposit for fall semester is refundable only if the request for refund reaches the Office of Admission before May 1 preceding the term in which the student would first have been enrolled in the university. Refund requests for spring semester deposits must be received two months preceding the term in which the student would have enrolled.

If university housing is desired, a \$200 Residence Life Deposit must be forwarded to the Office of Admission. The Residence Life Deposit for fall semester is refundable only if the request reaches the Office of Admission before May 1 preceding the term in which the student would have enrolled (refund requests for spring semester deposits must be received two months preceding the term in which the student would have enrolled).

Students are responsible for return of the medical history and immunization form prior to enrollment. This history and immunization form is provided to students prior to the term in which that student plans to enroll.

## International Students

**Application and Academic Credentials.** The University of Puget Sound welcomes applications from international students. The university is authorized under federal law to enroll non-immigrant, alien students. Along with the Supplemental Application for International Students, applicants should include those items outlined in this section of the *Bulletin* which are applicable to their class standing. Academic credentials must be translated into English and must be sent directly by the institutions previously attended. Hand-carried documents or copies of documents sent by students will cause a delay in the application process. Please note that all application materials become the property of the university unless otherwise indicated in writing when the application is submitted. Application materials must be submitted by the following deadlines:

Freshman, February 1, in the year of fall enrollment.

Transfer, March 1, in the year of fall enrollment.

For further information regarding international admission procedures, please contact the International Admission Coordinator, Office of Admission, University of Puget Sound, 1500 North Warner #1062, Tacoma, WA 98416-1062 USA, telephone: 253.879.3211, e-mail: [admission@ups.edu](mailto:admission@ups.edu); Web site: [www.ups.edu](http://www.ups.edu); facsimile (fax): 253.879-3993.

## Student Affairs

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**English Proficiency.** Because successful work at the university requires proficiency in the English language, all students whose first language is not English are required to submit their scores from the Test of English as a Foreign Language (TOEFL). International students must score a minimum of 550 (paper-based exam), 213 (computer-based exam), or 80 (internet based exam). Registration materials are available from the American Consulate in the student's home country, by writing TOEFL/TSE Services, P.O. Box 6151, Princeton, NJ 08541-6151 USA or online at [www.ets.org/toefl/](http://www.ets.org/toefl/).

**Financial Statement.** Students on an F-1 Visa (Student Visa) must also provide evidence of sufficient funds to cover one full year of study by filing an International Student Financial Statement, obtainable from the Office of Admission (included in the Supplemental Application for International Students). International students must not depend upon earnings from employment, anticipated financial assistance, or scholarship grants.

### Summer Session

Non-matriculating students may register for summer classes by completing an enrollment form available from the Registrar's Office or by writing or calling the Office of the Associate Academic Dean, University of Puget Sound, 1500 N. Warner St.#1020, Tacoma, WA 98416-1020, 253.879.3207.

Students wishing regular student standing for Summer Session must complete the appropriate application form outlined previously. Attendance in a summer session does not guarantee a student matriculating status.

### Graduate Study Programs

Information concerning graduate study in Education, Occupational Therapy, or Physical Therapy admission requirements, application procedures and other pertinent data is available from the Office of Admission, University of Puget Sound, 1500 N. Warner St. #1062, Tacoma, WA 98416-1062, telephone: 253.879.3211; e-mail: [admission@ups.edu](mailto:admission@ups.edu); Web site: [www.ups.edu](http://www.ups.edu).

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## DIVISION OF STUDENT AFFAIRS

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Vice President for Student Affairs/Dean of Students: Jean Kim

Associate Dean for Student Development: J. Michael Segawa

Director of Counseling, Health & Wellness Services: Donn Marshall

Director of Residence Life: Shane Daetwiler

Associate Director for Student Activities: Marta Palmquist-Cady

Associate Director for Student Services: Yoshiko Matsui

Associate Director for Student Services/Campus Chaplain: David Wright

Assistant Director for Student Development: Debbie Chee

The Dean of Students/Vice President for Student Affairs works on behalf of all students through collaboration with faculty, staff, and student leaders. She joins other university officers in long-range planning and advises the President and Board of Trustees on student issues and concerns. Students are always welcome in the Dean of Students Office. Assistance is available for a wide variety of issues, including personal or academic problems, family or personal emergencies, or general guidance with issues of life as a student. The Dean of Students Office is in Wheelock Student Center 208, 253.879.3360, campus mail box 1069.

The Dean also has overall responsibility for the two DSA departments: Student Development and Student Services.

## Department of Student Development

**Residence Life, Judicial Affairs, Leadership Development, Orientation, Puget Sound Outdoors, Student Activities, Greek Life – fraternities and sororities**

This department supports and supplements each student's educational experience while at the University of Puget Sound. Student Development staff also serve as the liaison for the Associated Students of the University of Puget Sound (ASUPS). The Student Development staff are located in the Student Development House at 3209 North 15<sup>th</sup>, (253) 879-3317, Mail Box 1003 and in Wheelock Student Center 209 253.879-3322, campus mail box 1069.

### Residence Life

Residence Life seeks to ensure that the academic mission of the university is sustained by students' living arrangements on campus. The department strives to create a sense of community within each of the residential facilities. Through educational and social programs and other resources, the department aids residents in the development of those qualities that are essential to academic achievement, personal growth, and successful group living. Living spaces on campus include Residence Halls (nine Tudor-Gothic residence halls are arranged in two spacious quadrangles on the north and south ends of campus) and Union Avenue Residences (residences on Union Avenue that house all eight of the university's national fraternities and sororities -- Beta Theta Pi, Phi Delta Theta, Sigma Chi, and Sigma Nu, Alpha Phi, Gamma Phi Beta, Kappa Alpha Theta, and Pi Beta Phi; first-year students are not allowed to live in the chapter houses). Students residing in these buildings are required to purchase a board plan. Also included are Residence Houses (these 55 houses vary in size, are reserved for continuing students, and include some theme housing) and students residing here have the option of purchasing a board plan.

The university offers several special residential programs, including Theme Floors and Halls (e.g., healthy lifestyle environment, substance free community, Humanities program, Social Justice program, outdoor programs/adventure education, and a language theme floor). In addition, there are Theme Houses that create strong links between living and learning experiences, involving students who have similar interests and who develop a living environment that is conducive to intellectual inquiry beyond the classroom. A university faculty or staff member who is committed to student growth and development through practical experience advises each house. The special program houses include the Honors/Langlow House for first-year students in the Honors program, language and music houses, and a number of houses in which themes range from academic to recreational. With the exception of the Honors Program in Langlow House and the Language and Cultures House, campus houses are reserved for students sophomore level and higher.

First-year students who are interested in joining a fraternity or sorority are able to participate in formal recruitment at the start of spring semester and may move into the chapter's facility at the beginning of their sophomore year. Transfer students with sophomore standing or above may participate in fall informal recruitment and move into the chapter's housing facility immediately, provided space is available.

Each living unit is staffed by undergraduate students, or resident assistants (RAs) who serve as peer counselors, hall administrators, and facilitators for the residents of their living area. The staff enforces the Student Integrity Code and other university policies. The staff also initiates, organizes, and implements educational/developmental programs that contribute to the academic and personal growth of residents. Resident Community Coordinators (RCCs) perform many similar duties for the residence houses and Trimble Hall. Resident Directors (RDs) are full-time, master's-level university staff who live in apartments in the residence halls. The four RDs coordinate daily life in the residence halls and supervise RAs and programming.

## Student Affairs

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The Student Integrity Code, as well as federal, state, and local laws govern students in all residence units. Failure to comply with the governing laws, and codes may be considered grounds for termination of residence. Students are encouraged to be self-regulating and to adopt their own system of government within each facility, consistent with university policies. Each residential unit has a student government that engages in community issues and assists in policy decisions.

### ***Residence Life Application Process***

To be eligible for a room assignment, students must submit the \$200 Residential Programs deposit, and complete and sign a Residence Life application/contract. The application/contract is mailed to all admitted students. Admitted students are encouraged to submit the \$200 deposit as early as possible. Room assignments are determined according to the date the deposit is received by the Admission Office.

The \$200 deposit serves as a room reservation fee, a key deposit, and a damage deposit. The new student deposit is refundable in full if the contract is canceled in writing prior to May 1. After that date, the entire deposit is forfeited. For spring semester applications, the new student contract must be canceled prior to December 15 to receive a refund. Contracts are for a full academic year, unless otherwise specified. Residents may apply for a contract cancellation if they withdraw from the university, participate in a university-approved study-abroad program, or have unusual extenuating circumstances.

Confirmation of room assignments and roommate information for fall enrollment is mailed to admitted students during the month of July.

### ***Rates***

Room and board costs are charged as a unit, and all students living in residence halls (including Trimble Hall) or the Union Avenue facilities must pay board as well as room charges. Residents of on-campus houses are charged room costs only and have the option of purchasing a board plan. Room and board rates are subject to change. University housing rates are detailed in the “Student Financial Services” section of this *Bulletin*.

### ***Housing for Continuing Students***

In the spring semester of each year, all current students are invited to attend the Housing Lottery. The Housing Lottery occurs in early March, before spring break. All students living in on-campus housing during spring semester automatically receive their lottery number; off-campus students need to contact Residence Life to receive a number for participation. Students living in Residence Halls have the option to “homestead” or stay in their current room. Trimble Hall residents are able to apply to homestead. The homesteading process occurs in the weeks prior to the lottery. For more information contact the Student Development Office at 253.879.3317.

### ***Student Activities***

The staff in the Student Development office coordinate a variety of campus activities both directly and through coordination with other campus departments. Student Development staff work with the Associated Students of the University of Puget Sound (ASUPS) to provide high quality programming in a wide variety of areas. Student Development staff coordinate the Passages and Perspectives portions of the university’s nationally recognized orientation program. In addition to working with fraternities and sororities, Student Development provides leadership development opportunities for all students and clubs and organizations. The Puget Sound Outdoors staff provide outdoor leadership training, trip planning and excursions, and operate the gear rental shop called the Expeditionary.

### Department of Student Services

(Community Involvement and Action Center; Counseling, Health, and Wellness Services; Multicultural Student Services; Student Diversity Center; Off-Campus Student Services; Center for Spirituality, Service, and Social Justice; Wheelock Student Center)

This department is comprised of departments and programs that provide a variety of important services to students and to the rest of the university community. Student Services staff are located on the second floor of the Wheelock Student Center (203, 208, 216, 221), Mailbox 1069, at CIAC, 3215 N. 15th St., 253.879.3767, campus mail box 1060, and at the Student Diversity Center, 3211 N. 15th, 253.879.4589, campus mail box 1082.

#### Counseling, Health and Wellness Services (CHWS)

CHWS provides an integrated approach to helping students remain healthy and maintain emotional and physical well-being. Students are invited to seek counseling for issues such as stress and anxiety, depression, study problems, loneliness, substance abuse, eating disorders, relationships, adjustment to college, and other concerns. Students may seek medical evaluation and treatment for a variety of acute and some chronic problems. With each visit, students receive information about self-care and the appropriate use of health services. Most medical services are provided without charge; however, medicines, medical supplies, in-clinic and outside laboratory tests, and X-rays are charged to the patient.

#### Multicultural Student Services

Multicultural Student Services focuses on providing resources and support for students of color; lesbian, gay, bisexual, and transgender students; women; students of different faiths; and all students interested in multicultural issues. Staff members coordinate the advising for twelve student groups, including the B-Glad (LGBT alliance) Black Student Union, Hui-O-Hawaii, Muslim Student Association, First Nations, Asian Pacific American Student Union, Mixed Race Generation, Jewish Students Organization, and the Community for Hispanic Awareness, as well as a variety of educational and social activities to promote cross-cultural awareness. The Student Diversity Center is also a gathering place for many of these groups and activities. There are also ten multi-faith student organizations affiliated with our Center for Spirituality and Justice.

#### Off-Campus Student Services

Students interested in off-campus accommodations are encouraged to utilize the off campus student services offered through the Student Services office in Wheelock Student Center. The Off Campus Student Services Web page offers listings of nearby rooms, apartments, and houses that are available for rent and offers many resources to students who live off campus. Telephones, maps, and other services are also provided. The university does not screen or endorse off-campus listings.

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## STUDENT FINANCIAL SERVICES

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Associate Vice President for Student Financial Services: Maggie Mittuch

Associate Director Student Financial Services: Ava Brock

Associate Director Student Financial Services: Shirley Johnson

At Puget Sound, we believe that the development of a strong sense of financial responsibility is an integral part of a student's education. Student Financial Services, composed of the staff of Student Accounts and Financial Aid and Scholarships, work closely with students and families to provide comprehensive financial information and assistance. Staff members actively join in partnership

# Student Financial Services

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with students and families to develop financial solutions that help make a Puget Sound education a reality.

## Schedule of Tuition and Fees

Tuition and fees are established in the spring for the following academic year. The university reserves the right to change tuition, room and board, and other fees for a given semester without prior notice. Once the semester begins, no changes will be made to the tuition or fees for that semester. Every student is presumed to be familiar with the tuition, fees, and financial policies published in this *Bulletin*.

## Direct Costs Billed by the University for Full-Time Undergraduate Students for 2006-2007

Tuition (full-time).....	\$29,870
Room and Board.....	\$ 7,670
Student Government Fee .....	\$ 190
Technology Fee .....	\$ 200
Health Insurance Fee .....	\$ 165
TOTAL.....	\$38,095

Estimated direct costs are \$38,095 for enrollment during the nine-month academic year. This does not include other expenses such as books and supplies, personal expenses, and transportation. Costs may be higher if a student elects courses for which special instruction or services are necessary.

## Tuition

Tuition for undergraduate students will be charged each semester (fall and spring) as follows:

Full-time (3 to 4.25 units) .....	\$14,935
Overload, per unit .....	\$ 3,770
Part-time (less than 3 units), per unit .....	\$ 3,770
Tuition charges for fractional unit courses will be computed at the per unit rate of.....	\$ 3,770

Refer to the Academic Policies section of this *Bulletin* for definitions of full-time and part-time students, as well as overloads and activities units. For full-time students, failure to enroll in 4.25 academic units per term or .5 activity units does not accumulate future tuition credit.

All students in the Occupational Therapy 3-2 Program will be charged tuition at the undergraduate rate plus the student government fee until such time a bachelor's degree is earned or the student is considered in graduate status for financial aid purposes. Once this occurs, the student will be charged on a per unit basis.

All students enrolled in a Second Baccalaureate program will be charged according to undergraduate rates less the student government fee.

Full-time students, alumni, and members of the University of Puget Sound Women's League may audit, without charge, one class per term, with a maximum of two classes per academic year. Other students will be charged one-half the per unit rate. All auditors will be charged any applicable class instruction fees. Reduced tuition rates are not available to students who change a graded class to an audit class. For a list of non-auditable courses, see the *Logger*.

## **Rates for University-owned Residences**

Room and Board.....\$ 7,670

This figure includes a medium meal plan along with on campus housing for the fall and spring semesters. Vacation periods are excluded.

A Residential Programs Deposit of \$200 is required upon application for university housing. The deposit serves as a room reservation fee, key deposit, and damage deposit. The deposit is refundable in full only if the housing application/contract is canceled in writing prior to May 1. After that date, the entire deposit is forfeited. For spring semester application, the housing application/contract must be canceled prior to December 15 to receive a refund.

Housing contracts are for a full academic year, unless otherwise specified. Release from the housing contract requires the approval of a formal petition to the Student Development Office. Unless released from their housing contract by the Student Development Office, a student remains responsible for room charges for the year regardless of where they reside.

The Residential Programs Deposit remains on account until the student no longer lives in university housing. If damage charges are incurred, the amount due for repair costs is reflected on the monthly statement of accounts provided by Student Financial Services. Deposits are available for refund after damage charges are assessed for the last term of residence.

## **Health Insurance**

Effective fall 2006, the University of Puget Sound will require that all full-time students have health insurance coverage. The university will be partnering with EIIA to provide a low cost group health insurance plan for students not otherwise covered by a plan valid in the Tacoma metropolitan area, or for students and families who desire coverage supplemental to their existing plan.

All full-time students will be billed for health insurance through Student Financial Services as part of the semester billing process. Students will have an opportunity to submit a request for waiver of the university plan provided they are able to demonstrate coverage under a different plan and that this coverage is valid for treatment in the Tacoma metropolitan area. The waiver period will by necessity be enforced by a deadline, so it will be important for those not wishing coverage to submit their waiver information in a timely fashion. The annual cost of coverage in 2006-07 for the EIIA \$5,000 limit plan is \$165, and the policy coverage extends from August 1 through July 31.

## **Applied Music Fees**

The Applied Music fee is \$95 per quarter-unit and is not refundable after the beginning of the term. These classes are considered academic, not activity, units toward graduation requirements. For a complete listing of private and class applied music courses, see the School of Music section of this *Bulletin*.

## **Activity and Course Fees**

The following course and activity fees are non-refundable after the last day to drop without record.

Bowling.....\$ 70  
 Career Awareness (not refundable after the first day of classes).....\$ 20  
 Golf .....\$ 35  
 Hiking/Backpacking.....\$ 50  
 Horseback Riding.....\$400

## Student Financial Services

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Martial Arts .....	\$ 30
Nutrition/Energy Balance .....	\$ 40
Physiology of Exercise .....	\$ 30
Rock Climbing.....	\$ 45
Sailing.....	\$200
Scuba Diving.....	\$ 75
Senior Research (Exercise Science).....	\$ 30

### Other Fees

Application for admission .....	\$ 40
Late confirmation fee (for payment and/or signed invoice received after the payment deadline.....	\$100
Payment plan participation fee (per semester of participation) .....	\$ 80
ResNet - Residential Network Connection Fee (per semester of participation).....	\$100
Returned check fee* .....	\$ 25

*\*Two returned checks will cause check-writing privileges to be permanently revoked.*

### Deposits

Advance tuition deposit - entering students.....	\$100
Residential programs deposit - all students living on campus .....	\$200

### Financial Aid

There are two types of financial assistance available at Puget Sound: 1) scholarships, grants, loans, and work opportunities based on financial need and 2) scholarships awarded based on merit or special talent. We refer to these different types of aid as need-based and non-need-based financial aid, respectively.

Eligibility for need-based financial aid is based on demonstrated financial need. Financial need is defined as the difference between the total cost of attendance and the amount a student and their family are expected to contribute as calculated by the Free Application for Federal Student Aid (FAFSA).

Financial need determines the amount of need-based financial aid (grants, subsidized loan, Perkins loan, work-study) students are eligible to receive. Student Financial Services strives to create a financial aid package that meets a student's demonstrated need, although funding limitations or other eligibility criteria sometimes prevent us from satisfying full need in all cases.

In order to remain eligible for federal, state, and university need-based financial aid, students must complete the FAFSA each year. The amount of need-based financial aid a student is eligible to receive each year may vary depending on the level of financial need and/or other scholarship or grant assistance they receive.

Eligibility for non-need-based financial aid is determined by a variety of factors, including academic achievement in high school and special talents in music, drama, and art.

### How to Apply for Need-Based Financial Aid

**Freshmen** should complete the Free Application for Federal Student Aid FAFSA (code 003797). For priority consideration, the FAFSA should be completed by February 1.

**Early Decision Freshmen** should complete both the FAFSA (code 003797) and the CSS/Profile (code 4067). For priority consideration, the FAFSA should be completed by February 1. The CSS/



Profile form is available online at [collegeboard.org/profile/](http://collegeboard.org/profile/) and should be completed by November 1 for Early Decision I or by December 1 for Early Decision II.

*Continuing, Transfer, and Graduate Students* should complete the FAFSA (code 003797). For priority consideration, the FAFSA or Renewal FAFSA should be completed by March 31. Students who have not received the renewal FAFSA by January 12 should file a new FAFSA on-line.

### **Financial Aid Programs**

#### **Puget Sound Scholarships and Grants**

Puget Sound's financial aid program is composed of a variety of university scholarships and grants that are funded by tuition revenue, endowment earnings, and gifts. Part of every tuition dollar goes to support Puget Sound aid programs. Additionally, many scholarships and grants are provided through the financial commitments of University of Puget Sound alumni and friends. The majority of Puget Sound scholarships are offered to undergraduates at the point of admission to the university and are subsequently renewed provided students meet the renewal criteria and maintain satisfactory academic progress. Continuing undergraduate students are encouraged to complete the University Scholarship Application so that they can be considered for new scholarship opportunities that may become available during subsequent years of enrollment.

#### **Federal Grants**

Federal Pell Grants and Federal Supplemental Educational Opportunity Grants are directed at undergraduate students with exceptional financial need as defined by federal regulations.

#### **Washington State Grants**

Washington State Need Grant eligibility is determined by the Higher Education Coordinating Board of Washington State.

#### **Federal Stafford Loans**

There are two types of Federal Stafford loans. Subsidized Stafford loans are need-based loans. The government pays the interest on these loans while a student is enrolled at least half-time, and for an additional six-month grace period after a student leaves school. Unsubsidized Stafford loans are not need-based loans. The interest begins accumulating as soon as the funds are disbursed to the university. Interest may be paid on a monthly basis or capitalized so that payments do not need to be made while a student is enrolled. Capitalization results in the interest being added to the principal creating a higher loan to repay after graduation. The interest rate is fixed at 6.8 percent. Fees of three percent are deducted from each disbursement to cover the loan origination and guarantor fees required for these federal loans.

#### **Federal Perkins Loan**

The Federal Perkins Loan program is a revolving loan program, which means funds that are lent to students are made possible by prior student borrowers now in repayment. The university serves as the lender for the Federal Perkins Loan. Both federal and university requirements, along with availability of funds, determine eligibility. The Federal Perkins Loan interest rate is five percent and is interest-free while enrolled at least half time.

#### **Work-Study Employment**

Federal Work-Study and State Work-Study programs offer students with financial need excellent part-time employment opportunities to earn funds to pay college expenses. Federal work-study jobs, available in many departments on campus, encompass a wide variety of skills and responsibilities. Off-campus, career-related State Work-Study jobs require advanced skills and are espe-

# Student Financial Services

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cially suitable for students who have completed one or two years of study.

## Scholarships

Puget Sound offers scholarships to incoming undergraduates for academic merit and performance excellence in music, theatre, art and forensics, National Merit designation, achievement in the humanities, mathematics, sciences, and for interest in business and religious activities. The majority of these scholarships are renewable for three additional years of full-time undergraduate study.

## Academic Scholarships

Incoming students are eligible for one of the following scholarships based on their admission application, academic performance in high school, and standardized test scores. No separate scholarship application is required. Recipients receive notification with the offer of admission.

**Wyatt Trustee Scholarships** - \$9,000 per year

**Trustee Scholarships** - \$8,000 per year

**President's Scholarships** - \$6,000 per year

**Dean's Scholarships** - \$3,000 per year

## National Merit and Marshall Trustee Scholarships

Incoming freshmen students who are National Merit Finalists and list the University of Puget Sound as their first choice college with the National Merit Scholarship Corporation may be eligible to receive both of the following scholarships. These scholarships are awarded to National Merit Finalists in addition to other academic scholarships they may receive.

**National Merit Scholarships** - \$1,000 to \$2,000 per year

**Marshall Trustee Scholarships** - \$4,000 per year

## Business Leadership Program (BLP) Scholarships

Several scholarships averaging \$1,500 will be awarded on a competitive basis to incoming freshmen and transfer students who have been accepted into the Business Leadership Program .

## Academic Scholarships (Application Required)

The following scholarships require a special scholarship application. All applications are available to download from the Student Financial Services Web site at [www.ups.edu/sfs](http://www.ups.edu/sfs).

**California Sealbearer's Scholarships** - \$2,000 per year. Awarded to incoming freshmen from California who are members of the California Scholarship Federation (CSF) and are eligible for a Gold Seal on their high school diploma.

**Catharine Gould Chism Scholarships** - \$4,000 per year. Awarded to incoming freshmen who have demonstrated leadership abilities and an intent to major in the arts or humanities. Eligible majors include art, English, foreign language, history, music, philosophy, theatre arts, and religion.

**Leonard Howarth Scholarships** - \$4,000 per year. Awarded to incoming freshmen and transfer students interested in majoring in biology, chemistry, computer science, geology, mathematics, pre-engineering, or physics.

**Walter Price Leadership / Community Service Scholarships** - \$3,000 per year. Awarded to incoming freshmen and transfer students on the basis of leadership abilities and community service involvement.

**Charles Garnet Trimble Scholarships** - \$6,000 per year. Awarded to incoming freshmen with demonstrated strong interests in the study of Asia and undergraduate study in the liberal arts and sciences.

**Religious Leadership Awards** - \$3,000. Awarded to incoming freshmen and transfer students planning ordained and lay ministerial, professional church music, and missionary careers.

### **Talent Scholarships (Audition and/or application required)**

Applicants must demonstrate talent in art, forensics, music or theatre. Recipients are expected to share their talents through performance or other forms of demonstration.

**Art Scholarships** - \$2,500 per year. Awarded to students who plan to major in art.

**Forensics Scholarships** - \$1,000 - \$3,000 per year. Recipients compete in intercollegiate speech and debate events.

**Music Scholarships** - \$1,000 - \$10,000 per year. Recipients are expected to take an active role in musical activities and participate either in a university performing music group or as an accompanist.

**Theatre Scholarships**- \$1,500 one-year only. Recipients serve as crew or cast members for fall and spring productions. Students are not required to major in theatre.

### **University Scholarship and Grant Eligibility.**

Eligibility for University Scholarships and Grants is limited by the following policies.

1. The total amount of university scholarships and grants received cannot exceed the cost of tuition.
2. The total amount of need-based federal, state, or university scholarship and grant aid received cannot exceed financial need.
3. total amount of aid received from all sources cannot exceed the cost of attendance.

If a student's financial aid award must be reduced, the reductions occur in the following order: loan assistance, work-study employment, and finally grant assistance.

### **Additional Sources of Assistance**

#### **Outside Scholarship Opportunities**

Private or outside scholarships may help students with their college expenses. Students can access links to a number of outside scholarship resources on the Student Financial Services Web site. Student Financial Services also maintains scholarship bulletin board advertising outside scholarships located outside the office.

#### **Part-Time Employment Opportunities**

Career and Employment Services maintains a job board, located outside of their office, with listings of part-time and summer employment opportunities available to all students. They include both on- and off-campus jobs, with new jobs posted as they become available. Although priority in placement for on-campus jobs is given to those who have Federal Work-Study awards as part of their financial aid package, there are many openings for other students. Students are encouraged to check the job board as soon as they arrive on campus for the best chance at an on-campus nonwork-study job.

# Student Financial Services

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## Parent Federal PLUS Loan

Parents of undergraduate students may pursue financing through the PLUS Loan program. Parents may borrow a PLUS Loan for any year that their student is enrolled at least half time as an undergraduate. The interest rate is fixed at 8.5 percent. Fees up to four percent are deducted from each disbursement to cover loan origination and guarantor fees required for these federal loans. Information about the PLUS Loan is available online at [www.salliemae.com](http://www.salliemae.com).

## Private Education Loans

There are many private lenders who offer private educational loans to students and their families, provided the qualifying credit and income criteria are met. Students may borrow up to the cost of attendance, less any financial aid they have been awarded. Information about private loan programs is available online at [www.collegelenderlist.com](http://www.collegelenderlist.com).

## ROTC Scholarships

Army ROTC Scholarships are awarded to qualified full-time students. Through an agreement with Pacific Lutheran University, qualified students may train to serve as officers in the United States Army, either on active duty or in the Reserves, or in the Washington Army National Guard. For further information, contact PLU Army ROTC at 253.535.8740, e-mail at [rotc@plu.edu](mailto:rotc@plu.edu), or visit their Web site at [www.plu.edu/~rotc/](http://www.plu.edu/~rotc/).

## Veterans Aid

Selected academic programs of study at the University of Puget Sound are approved by the Washington State Higher Education Coordinating Board's State Approving Agency for enrollment of persons eligible to receive educational benefits under Title 38 and Title 10 U.S. Code. For additional information, contact the Veterans Affairs Coordinator at 253.879.3160.

## Student Invoices and Payment

Students are billed each semester for tuition, fees, room and board on the Initial Payment Invoice. This invoice summarizes all charges, credits financial aid, and calculates the payment due. The signed invoice must be returned with any required payment by the payment deadline each semester. The invoice must be returned even if financial aid fully covers the amount due. If waitlist activity causes a change in tuition fees, (i.e. part-time to full-time, full-time to overload), payment of the additional tuition fees is expected by the payment deadline or at the time of the schedule change.

Financial aid credit is not given for unapproved private loans, work-study awards, and certain outside scholarships not disbursed directly to the university. When these funds are received, they will be used to pay off the balance or reduce the payment plan balance.

Funds received by the university from loans or scholarships must be applied to the student's account if there is any unpaid balance at the time of receipt.

## Payment Deadlines

The payment deadline for Fall 2006 is August 5, 2006. The payment deadline for Spring 2007 is January 5, 2007. Students must comply with these payment deadlines to avoid penalty fees.

If students anticipate difficulties in meeting the payment deadline, they must contact Student Financial Services in advance of the deadline to discuss possible options.

## Monthly Payment Plan

The university offers an interest free monthly payment plan to students who prefer to spread their payments throughout the course of the semester. Under this plan, the amount due for the semes-

ter plus an \$80 payment plan participation fee is divided into five equal monthly payments. The first payment is due by the payment deadline for each semester. The four remaining payments are due by the 5th day of each month following. A monthly late fee of one percent is imposed for past due payments. An estimated payment plan is calculated on the Initial Payment Invoice.

All monthly payment plan requests are subject to review and final approval by Student Financial Services. Payment plans may be modified or canceled if payments are not made promptly when due, or at any other time when, in the judgment of the appropriate university officials, sufficient justification for such action exists.

Any expected financial aid that is delayed or canceled for any reason will increase the student's account balance and payment due for the term.

Monthly statements of account are provided to each student. This statement reflects payments, scholarships, and loans applied to the student's account.

Inquiries concerning payment options should be directed to Student Financial Services at 253.879.3214, 800.396.7192, or by e-mail at [sfs@ups.edu](mailto:sfs@ups.edu).

### Registration

Registration is confirmed when the Initial Payment Invoice has been signed and the required payment has been received. Registrations not confirmed by the payment deadline are assessed a late confirmation fee. Registrations not confirmed by the end of the second day of classes are canceled and students are required to re-register on a space available basis.

The university reserves the right to cancel the registration of any student who fails to meet his/her financial obligations when such action is deemed to be in the best interest of the university. Such action does not, however, cancel the incurred obligations on the part of the student.

The university reserves the right to withhold transcript of record or diploma, or to withhold registration for a subsequent term, until all university charges have been paid and the student's account is paid in full. The university further reserves a similar right, as stated in the preceding sentence, if (1) any student loan (including Perkins) is in a past-due or delinquent status, or (2) any student has caused the university to incur a financial loss and has not voluntarily repaid the loss.

### Refunds and Adjustments

All students completely withdrawing from a term or dropping down in units to effect tuition charges will be eligible for tuition charge adjustments based on the official withdrawal date as provided by the Office of the Registrar and according to the following schedule:

Withdrawal before the first day of classes - 100% tuition adjustment; withdrawal on the first or second day of classes - 100% tuition adjustment; the third day of class through the Last Day to Drop Without Record - 80%; the eleventh day of classes through the end of the third week - 50%; after the end of the third week and through the end of the fourth week - 40%; after the end of the fourth week and through the end of the fifth week - 30%; after the end of the fifth week and through the end of the sixth week - 25%; after the end of the sixth week and through the end of the seventh week - 20%; after the end of the seventh week and through the end of the eighth week - 15%; after the end of the eighth week - no refund.

For the exact dates of adjustment periods by term, refer to the Academic Calendar.

**Room.** All residential housing fees are non-refundable upon signing the residential contract. The terms and conditions set forth in the student housing contract remain in force for the entire academic year during which the student resides in campus housing. Any request to cancel the housing contract shall be made directly to the Student Development Office in writing by completing a contract release/waiver petition. Students who check out of housing prior to the end of

## Student Financial Services

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the contract period and who do not receive a contract waiver will be held responsible for the full remaining cost of the contract.

**Board.** Refund of board charges will be made based upon the unused portion of the student's meal plan for those students who withdraw from the university before the end of a term.

**Financial Aid.** Student Financial Services will calculate any necessary refunds and returns of Federal and institutional financial aid based on the date a student drops from full-time to part-time status or completely withdraws. Aid refund calculations for students dropping from full to part-time status are based on overall charges in tuition and fee rates, coupled with any other particular award requirements. Aid refund calculations for completely withdrawing students are pro-rated, calculated on a daily basis up to the 60% completion point of the term.

*Tuition adjustments are adjustments of charges assessed, and are not calculated based on payments made. A full copy of the refund policy, with examples, is on file in the Student Financial Services Office.*

*All financial aid information, including program eligibility, award amounts, and loan interest rates, is subject to change.*

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 Deanna W. Oppenheimer '80 ..... London, England  
 Edward W. Paup ..... Seattle, Washington  
 Wade H. Perrow '73 ..... Gig Harbor, Washington  
 John C. Pierce '65 ..... Portland, Oregon  
 Robert C. Pohlad ..... Minneapolis, Minnesota  
 Allan D. Sapp '76 ..... Gardnerville, Nevada  
 Nathalie B. Simsak ..... Bainbridge Island, Washington  
 Kiseko Miki Takahashi ..... Tokyo, Japan  
 Ronald R. Thomas ..... Tacoma, Washington  
 Gillian N. Toledo '94 ..... Seattle, Washington  
 Peter K. Wallerich ..... Tacoma, Washington  
 William T. Weyerhaeuser ..... Tacoma, Washington  
 John A. Whalley '64 ..... Tacoma, Washington

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Lucille McIntyre Jewett	Susan Resneck Pierce	

### ADMINISTRATIVE OFFICES

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Secretary of the Board of Trustees,  
Mary Elizabeth Collins

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Associate Dean and Registrar, John M. Finney  
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and Recreation, Amy Hackett  
Director of Library, Karen Fischer  
Director of Academic Advising, Jack Roundy  
Director of Center for Writing, Learning, and  
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Director of International Programs,  
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Associate Registrar, Brad Tomhave

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Director of University Relations Information  
Services, Sean Vincent  
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Director of Counseling, Health and Wellness  
Services, Donn Marshall  
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Marta Palmquist-Cady  
Associate Director for Student Services,  
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Associate Director for Student Services/  
Campus Chaplain, David Wright  
Assistant Director for Student Development,  
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Todd Orwig  
Associate Directors of Admission, Britten Snider,  
Zach Street  
Assistant Director of Admission,  
Carolyn Johnson  
Admission Counselors, Andrea Cobb,  
Daniel Follmer  
Director of Access Programs, Kim Bobby



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**FULL-TIME FACULTY, 2006-2007**


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**Allen, Roger:** Associate Professor, Physical Therapy

BS, MEd, University of Kansas, 1976, 1977  
PhD, University of Maryland, 1979  
BSPT, University of Washington, 1996

**Anderson-Connolly, Richard:** Associate Professor, Comparative Sociology  
BA, University of Puget Sound, 1990  
MS, PhD, University of Wisconsin-Madison, 1993, 1997

**Anton, Barry:** Professor, Psychology  
BA, University of Vermont, 1969  
MS, PhD, Colorado State University, 1972, 1973

**Austin, Greta:** Assistant Professor, Religion  
BA, Princeton University, 1990  
MA, University of Colorado-Boulder, 1992  
MPhil, PhD, Columbia University, 1996, 2000

**Balaam, David:** Professor, International Political Economy  
BA, California State University-Chico, 1972  
MA, PhD, University of California-Santa Barbara, 1974, 1978

**Barnett, Suzanne Wilson:** Professor, History  
BA, Muskingum College, 1961  
MA, PhD, Harvard University, 1963, 1973

**Barry, William:** Professor, Classics and History  
BA, Whitman College, 1980  
MA, PhD, University of Michigan-Ann Arbor, 1984, 1988

**Bartanen, Kristine:** Professor, Communication Studies / Academic Vice President and Dean of the University  
BA, Pacific University, 1974  
MA, PhD, University of Iowa, 1975, 1978

**Bass, Melissa:** Assistant Professor, Politics and Government  
BA, Indiana University-Bloomington, 1991  
MA, University of Minnesota, 1995  
PhD, Brandeis University, 2004

**Bates, Bernard:** Instructor, Physics  
BA, Brown University, 1977  
MS, PhD, University of Washington, 1981, 1986

**Beardsley, William:** Professor, Philosophy  
BA, The Johns Hopkins University, 1976  
MA, PhD, University of Pittsburgh, 1978, 1984

**Beck, Terence:** Associate Professor, Education  
BA, Seattle Pacific University, 1979  
MEd, University of Puget Sound, 1990  
PhD, University of Washington, 2000

**Beezer, Robert:** Professor, Mathematics and Computer Science  
BS, University of Santa Clara, 1978  
MS, PhD, University of Illinois-Urbana, 1982, 1984

**Benard, Elisabeth:** Visiting Associate Professor, Asian Studies/Religion and Director, Pacific Rim/Asia-Study Travel Program,  
BA, MA, MPhil, PhD, Columbia University, 1980, 1982, 1984, 1990

**Bentson, Randolph:** Assistant Professor, Mathematics and Computer Science  
BA, St. Olaf College, 1970  
MS, PhD, Colorado State University, 1982, 1994

**Bernhard, James:** Visiting Assistant Professor, Physics  
BA, Princeton University, 1993  
PhD, Harvard University, 2000

**Block, Geoffrey:** Professor, Music  
BA, University of California-Los Angeles, 1970  
MA, PhD, Harvard University, 1973, 1979

**Bodine, Sigrun:** Associate Professor, Mathematics and Computer Science  
MA, San Diego State University, 1991  
Diplom, University of Ulm, 1992  
PhD, University of Southern California, 1998

**Bonura, Carlo:** Luce Assistant Professor of Islamic Studies in Southeast Asia, Politics and Government and Asian Studies Program  
BS, Arizona State University, 1993  
MA, PhD, University of Washington, 1997, 2003

**Breitenbach, William:** Professor, History  
BA, Harvard, 1971  
M Phil, PhD, Yale, 1975, 1978

**Bristow, Nancy:** Professor, History and Director, Gender Studies Program  
BA, Colorado College, 1980  
MA, PhD, University of California-Berkeley, 1983, 1989

## Faculty

---

**Brown, Gwynne:** Visiting Assistant Professor, Music

BM, University of Puget Sound, 1995  
MM, Indiana University, 1997  
PhD, University of Washington, 2005 (expected)

**Buescher, Derek:** Associate Professor, Communication Studies

BA, Whitman College, 1992  
MA, University of California-Davis, 1995  
PhD, University of Utah, 2003

**Bunnage, Leslie:** Visiting Assistant Professor, Comparative Sociology  
BA, University of California, Santa Cruz, 1993  
MA, PhD, University of California, Irvine, 1998, 2005

**Burgard, Daniel:** Visiting Assistant Professor, Chemistry

BA, The Colorado College, 1996  
PhD, University of Denver, 2006 (expected)

**Burnaford, Jennifer:** Visiting Assistant Professor, Biology

BA, Dartmouth College, 1992  
PhD, Oregon State University, 2001

**Butcher, Alva:** Associate Professor, Business and Leadership and Nat S. and Marian W. Rogers Professor

BS, Seattle University, 1964  
MA, Columbia University, 1966  
MBA, PhD, University of Washington, 1983, 1992

**Campbell, Nelly Mognard:** Research Professor of Geology

MS, PhD, Université Paul Sabatier, 1971, 1982.

**Cannon, Douglas:** Professor and Chair, Philosophy

BA, Harvard University, 1973  
PhD, Massachusetts Institute of Technology, 1982

**Cho, David:** Visiting Assistant Professor, English  
BA, University of Illinois-Urbana, 1995

MFA, MA, Purdue University, 1999, 2001

**Christoph, Julie Nelson:** Assistant Professor, English

BA, Carleton College, 1993  
MA, PhD, University of Wisconsin-Madison, 1996, 2002

**Claire, Lynnette:** Assistant Professor, Business and Leadership

BA, BS, University of California-Davis, 1989  
MS, PhD, University of Oregon, 2001, 2005

**Clark, Kenneth:** Instructor, Geology  
BS, Central Washington University, 1984  
MS, Western Washington University, 1988

**Conner, Beverly:** Instructor, English  
BA, University of Puget Sound, 1978  
MA, University of Washington, 1986

**Crane, Johanna:** Associate Professor, Chemistry  
BS, Muskingum College, 1989

AM, PhD, Washington University, 1991, 1994

**Curley, Michael:** Professor, English / Honors Director

BA, Fairfield University, 1964  
MAT, Harvard University, 1965  
PhD, University of Chicago, 1973

**Dasher, William:** Professor, Chemistry  
BS, Western Washington University, 1974  
PhD, University of Washington, 1980

**David, Kevin:** Assistant Professor, Psychology  
BA, State University of New York-Cortland, 1998  
MS, PhD, University of Oklahoma, 2001, 2004

**DeHart, Monica:** Assistant Professor, Comparative Sociology  
BA, University of California-Davis, 1994  
MA, PhD, Stanford University, 1997, 2001

**DeMarais, Alyce:** Associate Professor, Biology and Associate Dean

BS, University of Washington, 1985  
PhD, Arizona State University, 1991

**Despres, Denise:** Professor, English and Susan Resneck Pierce Professor of Humanities and Honors

BA, University of Notre Dame, 1979  
MA, PhD, Indiana University, 1980, 1985

**Dillman, Bradford:** Assistant Professor, International Political Economy  
BA, The Ohio State University, 1984  
MA, MPhil, PhD, Columbia University, 1987, 1988, 1994

**Dove, Wendy:** Visiting Instructor, Mathematics and Computer Science

BS, MAT, University of Puget Sound, 1985, 1991

- Droge, David:** Associate Professor, Communication Studies  
BA, MA, San Francisco State University, 1970, 1972  
PhD, Northwestern University, 1983
- Edgoose, Julian:** Associate Professor, Education  
BA, Oxford University, 1990  
MA, PhD, Columbia University, 1996, 1999
- Edwards, Douglas:** Professor, Religion  
BS, University of Nebraska, 1972  
MDiv, Boston University School of Theology, 1978  
PhD, Boston University, 1987
- Elliott, Gregory:** Professor Physics  
BS, BA, University of California-Santa Barbara, 1980  
MS, PhD, University of California-San Diego, 1982, 1988
- Elliott, Joel:** Associate Professor, Biology  
BS, MS, University of Alberta, 1983, 1987  
PhD, Florida State University, 1992
- Erving, George:** Assistant Professor, Honors / Humanities / English  
BA, Stanford University, 1977  
MBA, University of Oregon, 1980  
MA, St. John's College, 1995  
MA, PhD, University of Washington, 1996, 2005
- Estrada, Oswaldo:** Assistant Professor, Foreign Languages and Literature and Interim Director, Latin American Studies Program  
BA, MA, PhD, University of California-Davis, 1999, 2001, 2004
- Evans, James:** Professor, Physics and Co-Director, Program in Science, Technology, and Society  
BS, Purdue, 1970  
PhD, University of Washington, 1983
- Evans, Sandra:** Visiting Assistant Professor, Foreign Languages and Literature  
BA, MA, PhD, University of Washington, 1992, 1995, 2005
- Feng, Z. Vivian:** Assistant Professor, Chemistry  
BA, Linfield College, 1999  
PhD, University of Illinois, 2005
- Ferrari, Lisa:** Associate Professor, Politics and Government  
BA, Williams College, 1986  
MA, Boston University, 1989  
PhD, Georgetown University, 1998
- Fields, Karl:** Professor, Politics and Government and Director, Asian Studies Program  
BA, Brigham Young University, 1983  
MA, PhD, University of California-Berkeley, 1984, 1990
- Finney, John:** Associate Professor, Comparative Sociology and Associate Dean and Registrar  
BA, University of Puget Sound, 1967  
MS, PhD, University of Wisconsin, 1969, 1971
- Flaskerud, Dana:** Visiting Assistant Professor, Foreign Languages and Literature  
BA, University of Washington, 1993  
MA, Hunter College of City University of New York, 1996  
MPhil, PhD, Columbia University, 1999, 2004
- Foster, Robin:** Associate Professor, Psychology  
BS, University of Michigan-Ann Arbor, 1981  
PhD, University of Washington, 1992
- Frankel, Laurie:** Visiting Assistant Professor, English  
BA, James Madison University, 1995  
MA, University of Delaware, 1998
- Gamboa, Perla:** Visiting Instructor, Foreign Languages and Literature  
BA, Universidad de La Libertad-Peru, 1993  
MA, University of Iowa, 2003
- Gardner, Andrew:** Assistant Professor, Comparative Sociology  
BA, George Washington University, 1991  
MA, PhD, University of Arizona, 2000, 2005
- Garratt, Robert:** Professor and Director, Humanities Program  
BA, MA, San Jose State University, 1964, 1969  
PhD, University of Oregon, 1972
- Gast, Elizabeth:** Instructor, Education  
BA, University of Oregon, 1974  
MEd, University of Puget Sound, 1978
- Goldstein, Barry:** Professor, Geology  
BA, Queens College-City University of New York, 1975  
MS, PhD, University of Minnesota, 1980, 1985
- Goodman, Douglas E.:** Professor, Economics  
BS, Illinois College, 1972  
MS, PhD, University of Illinois, 1975, 1978

## Faculty

---

**Gordon, Dexter:** Professor, African American Studies / Communication Studies and Director, African American Studies  
BA, Jamaica Theological Seminary, 1984  
MA, Wheaton College, 1991  
PhD, Indiana University, 1998

**Greene, Mott:** John B. Magee Professor of Science and Values / Honors and Co-Director, Program in Science, Technology, and Society  
BA, Columbia College, 1967  
MA, PhD, University of Washington, 1974, 1978

**Greenfield, Peter:** Professor, English  
BA, PhD, University of Washington, 1972, 1981  
MA, Mills College, 1975

**Gray, Christine:** Visiting Assistant Professor, Biology  
BS, DePaul University, 1986  
PhD, Texas A& M University

**Grunberg, Leon:** Professor, Comparative Sociology  
BA, University of Sussex, 1970  
Certificate of Education, University of Manchester, 1972  
PhD, Michigan State University, 1979

**Hale, Catherine:** Professor, Psychology  
BA, University of Maine - Orono, 1979  
MA, PhD, Purdue University, 1982, 1986

**Haltom, William:** Professor, Politics and Government  
BA, MA, PhD, University of Washington, 1974, 1978, 1984

**Hamel, Frederick:** Assistant Professor, Education  
BA, University of Santa Clara, 1985  
MA, MAT, University of Chicago, 1986, 1990  
PhD, University of Washington, 2000

**Hands, Wade:** Professor, Economics  
BA, University of Houston, 1973  
MA, PhD, Indiana University, 1977, 1981

**Hannaford, Susannah:** Associate Professor, Biology  
BS, California Institute of Technology, 1987  
PhD, University of Washington, 1993

**Hanson, John:** Professor, Chemistry  
BA, Whitman College, 1981  
PhD, University of California-Berkeley, 1988

**Harpring, Mark:** Assistant Professor, Foreign Languages and Literature  
BA, Butler University, 1996  
MA, PhD, University of Kansas, 1998, 2004

**Henderson, Scottie:** Visiting Assistant Professor, Biology  
BA, University of California - Santa Cruz, 1992  
PhD, University of Washington 2001

**Hodum, Peter:** Visiting Assistant Professor, Biology  
BA, Bowdoin College, 1988  
PhD, University of California - Davis, 1999

**Holland, Suzanne:** Associate Professor and Chair, Religion  
BA, Indiana University, Bloomington, 1978  
MA, Louisville Presbyterian Seminary, 1991  
PhD, Graduate Theological Union, 1997

**Holme, Barbara:** Instructor, Education  
BA, MEd, University of Puget Sound, 1965, 1978

**Hommel, Charles:** Instructor, Mathematics and Computer Science  
BA, University of Illinois, 1972  
M LIBR, University of Washington, 1974

**Hong, Zaixin:** Associate Professor, Art  
BA, Zhejiang University, 1982  
MA, PhD, China National Academy of Fine Arts, 1984, 1996

**Hooper, Kent:** Professor, Foreign Languages and Literature  
BA, MA, PhD, Northwestern University, 1980, 1980, 1986

**Horton, Travis:** Assistant Professor, Geology and Environmental Studies  
BA, MS, Dartmouth College, 1996, 2001  
PhD, Stanford University, 2004

**Houston, Renee:** Associate Professor, Communication Studies  
BA, BA, University of California - Santa Barbara, 1991, 1991  
MA, PhD, Florida State University, 1993, 1996

**Hoyt, Timothy:** Instructor, Chemistry  
BA, BS, Washington State University, 1974  
MS, University of Washington, 1976

**Hulbert, Duane:** Professor, Music  
BM, MM, Juilliard School of Music, 1978, 1979  
DMA, Manhattan School of Music, 1986

**Hummel-Berry, Kathleen:** Professor and Director, Physical Therapy  
BS, MEd, PhD, University of Washington, 1975, 1978, 2001

**Hutchinson, Robert:** Associate Professor, Music  
BA, California State University-Bakersfield, 1992  
MM, Northern Arizona University, 1993  
PhD, University of Oregon, 1998

**Jaasko-Fisher, Heather:** Visiting Instructor and Clinical Supervisor, Education  
BA, MAT, University of Puget Sound, 1994, 1995

**Jackson, Martin:** Professor and Chair, Mathematics and Computer Science  
BS, University of Puget Sound, 1984  
MS, PhD, University of Oregon, 1985, 1990

**James, Keith:** Instructor, English  
BA, California State University-Pomona, 1970  
MA, Wayne State University, 1971

**Jasinski, James:** Professor and Chair, Communication Studies  
BA, MA, Northern Illinois University, 1978, 1980  
PhD, Northwestern University, 1986

**Johnson, Kristin:** Assistant Professor, Science, Technology, and Society Program  
BA, University of Washington, 1997  
MA, PhD, Oregon State University, 1996, 1997

**Johnson, Lisa C.:** Assistant Professor, Business and Leadership  
BA, MPA, Indiana University, 1996, 1997  
JD, Northwestern School of Law of Lewis and Clark College, 2001

**Johnson, Michael:** Associate Professor, Art  
BFA, University of Massachusetts, 1992  
MFA, University of Cincinnati, 1995

**Jones, Christopher:** Visiting Assistant Professor, Psychology  
BA, University of California - Santa Barbara, 1995  
MS, PhD, University of Washington, 2002, 2006 (expected)

**Josberger, Edward:** Research Professor of Mathematics  
BS, New York University, 1970  
PhD, University of Washington, 1979

**Joshi, Priti:** Assistant Professor, English  
BA, University of Maryland - College Park, 1988  
PhD, Rutgers University, 1998

**Kabrhel, James:** Visiting Assistant Professor, Chemistry  
BS, Juniata College, 2000  
PhD, University of Minnesota, 2006 (expected)

**Kadarkay, Arpad:** Professor, Politics and Government  
BA, University of British Columbia, 1963  
MA, University of California-Los Angeles, 1965  
PhD, University of California-Santa Barbara, 1970

**Kaminsky, Tatiana:** Assistant Professor, Occupational Therapy  
BS, University of Wisconsin-Madison, 1995  
MS, University of Washington, 2003

**Kay, Judith:** Associate Professor, Religion  
BA, Oberlin College, 1973  
MA, Pacific School of Religion, 1978  
PhD, Graduate Theological Union, 1988

**Kelley, Diane:** Associate Professor, Foreign Languages and Literature  
BA, College of William and Mary, 1990  
MA, PhD, University of California - Los Angeles, 1993, 1998

**King, Jennice:** Instructor, Education  
BA, Central Washington University, 1966  
MA, University of Northern Colorado, 1977  
MEd, University of Puget Sound, 1993

**Kirchner, Grace:** Professor, Education  
BA, Oberlin, 1970  
MA, PhD, Emory, 1972, 1975

**Kirkpatrick, Elizabeth:** Associate Professor, Biology  
BS, University of Wisconsin-Madison, 1978  
MS, University of Kentucky, 1982  
PhD, University of Michigan, 1990

**Kline, Christine:** Professor and Dean, School of Education  
BA, Mills College, 1967  
MA, University of Pennsylvania, 1968  
D.Ed, Rutgers, 1985

**Kontogeorgopoulos, Nick:** Associate Professor, International Political Economy  
BA, University of North Carolina - Chapel Hill, 1992  
MA, University of Toronto, 1994  
PhD, University of British Columbia, 1998

## Faculty

---

**Kotsis, Kriszta:** Assistant Professor, Art  
MA, Loránd Eötvös University, 1990  
PhD, University of Washington, 2004

**Krueger, Patti:** Professor, Music  
BME, MM, PhD, University of Wisconsin, 1978,  
1982, 1985

**Kukreja, Sunil:** Professor and Chair,  
Comparative Sociology  
BA, St. Cloud State University, 1985  
MA, Kansas State University, 1987  
PhD, The American University, 1990

**Kupinse, William III:** Associate Professor,  
English  
BA, Colby College, 1989  
MA, Bucknell University, 1995  
MA, PhD, Vanderbilt University, 1996, 1999

**Lago Graña, Josefa:** Associate Professor and  
Chair, Foreign Languages and Literature  
Licenciatura, Universidade de Santiago de  
Compostela, 1991  
MA, PhD, University of Nebraska - Lincoln, 1993,  
1997

**Lamb, Mary Rose:** Professor, Biology  
BA, Reed, 1974  
MLS, State University of New York-Albany, 1975  
PhD, Indiana University, 1983

**Lear, John:** Professor, History and Director, Latin  
American Studies Program  
BA, Harvard University, 1982  
MA, PhD, University of California-Berkeley,  
1986, 1993

**Leuchtenberger, Jan:** Assistant Professor, Foreign  
Languages and Literature  
BA, Grove City College, 1986  
MA, Monterey Institute of International Studies,  
1995  
MA, PhD, University of Michigan, 2001, 2005

**Linauts, Martins:** Clinical Associate Professor,  
Occupational Therapy  
BS, Albright College, 1972  
BS, Oakland University, 1986  
PhD, Ohio State University, 1977

**Livingston, Grace:** Assistant Professor, African  
American Studies  
BA, Jamaica Theological Seminary, 1984  
MS, PhD, University of Wisconsin, 1991, 2003

**Livingston, Lynda:** Associate Professor, Business  
and Leadership  
BA, University of Texas at Austin, 1985  
MS, Texas A&M University, 1988  
PhD, University of Washington, 1996

**Loeb, Paul:** Professor, Philosophy  
BA, Cornell University, 1981  
PhD, University of California-Berkeley, 1991

**Ludden, Mikiko:** Instructor, Foreign Languages  
and Literature  
BA, Kyoto Sangyo University, 1979  
MA, Ohio University, 1986

**Lupher, David:** Professor and Chair, Classics  
and James Dolliver National Endowment for the  
Humanities Distinguished Teaching Professor  
BA, Yale University, 1969  
PhD, Stanford University, 1980

**Luthman, Margaret:** Visiting Clinical Assistant  
Professor, Occupational Therapy  
BS, Easton Kentucky University, 1983  
MS, Colorado State University, 2005

**MacBain, Tiffany Aldrich:** Assistant Professor,  
English  
MA, Claifornia State University-Sacramento,  
1998  
BA, PhD, University of California-Davis, 1991,  
2004

**Machine, Augustus:** Visiting Instructor, Foreign  
Languages and Literature  
BA, MA, University of Iowa, 2002, 2004

**Madlung, Andreas:** Associate Professor, Biology  
Staatsexamen, University of Hamburg, 1995  
PhD, Oregon State University, 2000

**Mahato, Susmita:** Assistant Professor, English  
BA, University of California-San Diego, 1996  
MA, PhD, University of Oregon, 1999, 2003

**Manini, Emy E.:** Visiting Assistant Professor,  
Foreign Languages and Literature  
BA, University of California-Berkeley, 1991  
BA, MA, PhD, University of Washington, 1995,  
1997, 2002

**Mann, Bruce:** Professor, Economics  
BA, Antioch College, 1969  
MA, PhD, Indiana University, 1974, 1976

**Marcavage, Janet:** Assistant Professor, Art  
BFA, The University of the Arts, 1997  
MFA, The University of Wisconsin-Madison,  
2004

**Martin, Mark:** Assistant Professor, Biology  
BA, University of California-Los Angeles, 1980  
PhD, Stanford University, 1986

**Massey, Dixie:** Visiting Assistant Professor,  
Education  
BA, Colorado Christian University, 1994  
MEd, PhD, University of North Carolina-  
Greensboro, 1999, 2002

**Matthews, Jeffrey:** Associate Professor, Business  
and Leadership and Director, Business Leadership  
Program  
BS, Northern Arizona University, 1987  
MBA, MA, University of Nevada - Las Vegas,  
1990, 1995  
PhD, University of Kentucky, 2000

**Matthews, Robert:** Professor, Mathematics and  
Computer Science  
BS, MS, PhD, University of Idaho, 1968, 1971,  
1976

**Maxwell, Keith:** Professor, Business and  
Leadership  
BS, Kansas State University, 1963  
JD, Washburn University School of Law, 1966

**McCall, Gary:** Assistant Professor, Exercise  
Science  
BS, University of Texas-Austin, 1989  
MS, University of Colorado-Boulder, 1994  
PhD, University of California-Los Angeles, 2000

**McCoy, Sarah:** Associate Professor, Physical  
Therapy  
BS, University of Montana, 1976  
MPT, PhD, University of Washington, 1979, 1993

**McCustion, John:** Professor and Chair, Art  
BA, Humboldt State University, 1971  
MFA, University of Montana, 1973

**McCullough, James:** Professor and Director,  
School of Business and Leadership and George  
Fredrick Jewett Distinguished Professor  
BS, MS, University of California - Davis, 1965,  
1970  
MBA, University of Houston, 1973  
PhD, University of Washington, 1976

**McGruder, Juli Evans:** Professor, Occupational  
Therapy  
BS, Indiana University, 1975  
MS, Indiana University-Indianapolis, 1979  
MA, PhD, University of Washington, 1994, 1999

**McKim, Christopher:** Assistant Professor, Music  
BA, Wichita State University, 1990  
MA, Arizona, State University, 1999  
DMA, University of Colorado, 2003

**Melanson, William:** Visiting Assistant Professor,  
Philosophy  
BA, State University of New York at Buffalo, 1996  
MA, PhD, Ohio State University, 2002, 2006

**Melchior, Aislinn:** Assistant Professor, Classics  
BA, University of Washington-Seattle, 1998  
MA, PhD, University of Pennsylvania, 2002, 2004

**Milam, Garrett:** Assistant Professor, Economics  
BS, California Polytechnic State University, 1996  
MA, PhD, University of California, Santa Cruz,  
1998, 2002

**Moore, David:** Assistant Professor, Psychology  
BA, Wheaton College, 1993  
MS, PhD, University of Utah, 1998, 2001

**Moore-Sherry, Sarah:** Professor, Psychology  
BA, MA, PhD, Bowling Green State University,  
1987, 1991, 1993

**Nealey-Moore, Jill:** Visiting Assistant Professor,  
Psychology  
BA, University of California - Santa Barbara, 1992  
MA, PhD, University of Utah, 1997, 2002

**Neff-Lippman, Julie:** Instructor, English and  
Director, Center for Writing, Learning, and  
Teaching  
BA, MA, Washington State University, 1967, 1971

**Neshyba, Steven:** Professor, Chemistry  
BA, Reed College, 1981  
PhD, Yale University, 1990

**Nickelson-Requejo, Sadie:** Visiting Instructor,  
Foreign Languages and Literature  
BA, LaSalle University, 1998  
MA, University of California-Los Angeles, 2000

**Nierman, Andrew:** Assistant Professor,  
Mathematics and Computer Science  
BS, Pacific Lutheran University, 1996  
MS, PhD, University of Michigan, 1999, 2006  
(expected)

## Faculty

---

**Nimura, Tamiko:** Assistant Professor, English  
BA, University of California-Berkeley, 1995  
MA, PhD, University of Washington-Seattle,  
2000, 2004

**Nowak, Margaret:** Associate Professor,  
Comparative Sociology  
BA, Medaille College, 1968  
MA, PhD, University of Washington, 1975, 1978

**O'Neil, Patrick:** Associate Professor, Politics and  
Government  
BA, University of Oregon, 1987  
PhD, Indiana University - Bloomington, 1994

**Ochosi, Karim:** Associate Professor, Exercise  
Science  
MD, University of Brussels, 1985  
MSc, MA, PhD, University of Louvain, 1985,  
1986, 1992

**Orlin, Eric:** Associate Professor, Classics  
BA, Yale University, 1986  
PhD, University of California-Berkeley, 1994

**Orloff, Heidi:** Professor, Exercise Science  
BS, Baker University, 1983  
MS, PhD, University of Kansas, 1985, 1988

**Ostrom, Hans:** Professor and Chair, English  
BA, MA, PhD, University of California-Davis,  
1975, 1978, 1982

**Owen, A. Susan:** Professor, Communication  
Studies  
BA, MA, University of Alabama, 1976, 1978  
PhD, University of Iowa, 1989

**Paradise, Alison:** Instructor, Mathematics and  
Computer Science  
BS, University of Puget Sound, 1982  
MS, Washington State University, 1988

**Perkins-Valdez, Dolen M:** Assistant Professor,  
English  
BA, Harvard College, 1995  
MFA, University of Memphis, 1998  
PhD, George Washington University, 2003

**Perry, Lo Sun:** Instructor, Foreign Languages and  
Literature  
BA, Tunghai University-Taiwan, 1984  
MA, University of Washington, 1986

**Petras, Elizabeth:** Visiting Assistant Professor,  
Comparative Sociology  
BA, Washington State University  
MS, Pennsylvania State University, 1983  
PhD, State University of New York

**Pickard, Matthew:** Instructor, Mathematics and  
Computer Science  
BEEd, University of Hawaii, 1980  
MEd, University of Puget Sound, 1992

**Preiss, Raymond:** Professor, Communication  
Studies  
BS, Southwest Missouri State University, 1975  
MA, West Virginia University, 1976  
PhD, University of Oregon, 1988

**Proehl, Geoffrey:** Professor and Chair, Theatre  
Arts  
BS, George Fox College, 1973  
MFA, Wayne State University, 1977  
PhD, Stanford University, 1988

**Putnam, Ann:** Instructor, English  
BA, Seattle Pacific University, 1967  
MA, PhD, University of Washington, 1979, 1984

**Quinn, Jennifer:** Visiting Associate Professor,  
Mathematics and Computer Science  
BA, Williams College, 1985  
MS, University of Illinois – Chicago, 1987  
PhD, University of Wisconsin – Madison, 1993

**Read, Ian:** Visiting Assistant Professor, History  
BA, DePaul University, 1997  
MA, University of Chicago, 1999  
PhD, Stanford University, 2006 (expected)

**Reinitz, Mark:** Associate Professor, Psychology  
BA, Hampshire College, 1981  
PhD, University of Washington, 1987

**Rex, Andrew:** Professor, Physics  
BA, Illinois Wesleyan University, 1977  
PhD, University of Virginia, 1982

**Richards, Bradley:** Associate Professor,  
Mathematics and Computer Science  
BA, Gustavus Adolphus College, 1988  
MSc, University of Victoria, Canada, 1990  
MS, PhD, University of Wisconsin-Madison,  
1992, 1996

**Richman, Elise:** Assistant Professor, Art  
BFA, University of Washington, 1995  
MFA, American University, 2001



**Rickoll, Wayne:** Professor, Biology  
BS, Rhodes College, 1969  
MS, University of Alabama-Birmingham, 1972  
PhD, Duke University, 1977

**Rindo, John:** Associate Professor, Theatre Arts  
BA, University of Wisconsin-Eau Claire, 1977  
MS, PhD, University of Oregon, 1979, 1984

**Rocchi, Michel:** Professor, Foreign Languages  
and Literature  
BA, MA, University of Puget Sound, 1971, 1972  
PhD, University of Washington, 1980

**Rodgers, Steven:** Instructor, Foreign Languages  
and Literature  
BA, University of Oregon, 1979  
Diplôme Supérieur d'Etudes Françaises,  
Université de Poitiers, 1980  
MA, University of Oregon, 1982

**Root, Jeffrey:** Visiting Professor, Chemistry  
BS, University of Puget Sound, 1984  
MA, University of Washington, 1993

**Rousslang, Kenneth:** Professor and Chair,  
Chemistry and University Professor of Natural  
Sciences  
BA, Portland State University, 1970  
PhD, University of Washington, 1976

**Rowland, Thomas:** Professor, Chemistry  
BA, Catholic University of America, 1968  
PhD, University of California-Berkeley, 1975

**Royce, Jacalyn:** Associate Professor, Theatre Arts  
BA, University of California - Santa Cruz, 1986  
PhD, Stanford University, 2000

**Ryken, Amy:** Assistant Professor, Education  
BA, Mills College, 1985  
MPH, PhD, University of California-Berkeley,  
1990, 2001

**Sable, Karin:** Associate Professor, Economics and  
Director of Environmental Studies Program  
BA, University of California at Davis, 1987  
MA, PhD, Colorado State University, 1994, 1997

**Sackman, Douglas:** Associate Professor, History  
BA, Reed College, 1990  
PhD, University of California - Irvine, 1997

**Sampen, Maria:** Assistant Professor, Music  
BM, DMA, University of Michigan, 1997, 2002  
MM, Rice University, 1999

**Sandler, Florence:** Professor, English  
BA, MA, University of New Zealand, 1958, 1960  
PhD, University of California-Berkeley, 1968

**Saucedo, Leslie:** Assistant Professor, Biology  
BS, University of Illinois Urbana, 1991  
PhD, University of Wisconsin - Madison, 1999

**Scharrer, Eric:** Associate Professor, Chemistry  
BS, Bates College, 1989  
PhD, University of North Carolina-Chapel Hill,  
1993

**Schultze, Kathleen:** Visiting Clinical Assistant  
Professor, Physical Therapy  
BS, Boston University, 1975  
MS, Albany Medical College, 1990

**Scott, David:** Professor, Mathematics and  
Computer Science  
BA, Grinnell College, 1964  
MA, Brandeis University, 1966  
PhD, University of Washington, 1978

**Share, Donald:** Professor, Politics and  
Government  
BA, University of Michigan, 1977  
MA, PhD, Stanford University, 1980, 1983

**Sherman, Daniel:** Luce Assistant Professor of  
Environmental Policy and Decision Making,  
Politics and Government and Environmental  
Studies  
BA, Canisius College, 1995  
BA, Victoria University-Wellington, 1996  
MA, Colorado State University, 1999  
MA, PhD, Cornell University, 2002, 2004

**Singleton, Ross:** Professor and Chair, Economics  
BA, University of Wyoming, 1969  
PhD, University of Oregon, 1977

**Smith, Bryan:** Professor, Mathematics and  
Computer Science  
BA, University of Utah, 1974  
MS, PhD, University of Idaho, 1977, 1982

**Smith, Christine:** Assistant Professor, Chemistry  
BS, Indiana University, 1992  
PhD, Yale University, 1998

**Smith, David:** Professor and Chair, History  
BA, Bristol University, 1963  
MA, Washington University, 1965  
PhD, University of Toronto, 1972

## Faculty

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**Smith, Katherine:** Assistant Professor, History  
BA, Vassar College, 1998  
MA, MPhil, PhD, New York University, 1999,  
2001, 2004

**Smithers, Stuart:** Associate Professor, Religion  
BA, San Francisco State University, 1980  
MA, MPhil, PhD, Columbia University, 1984,  
1985, 1992

**Sousa, David:** Professor, Politics and Government  
BA, University of Rhode Island, 1982  
PhD, University of Minnesota, 1991

**Spivey, Michael Z.:** Assistant Professor,  
Mathematics and Computer Science  
BS, Samford University, 1994  
MS, Texas A & M University, 1997  
MA, PhD, Princeton University, 1999, 2001

**Stambuk, Tanya:** Professor, Music  
BM, MM, Juilliard School, 1982, 1983  
DMA, Rutgers University, 1994

**Stewart, Susan M.:** Assistant Professor, Business  
and Leadership  
BA, Eastern Illinois University, 1992  
MA, Roosevelt University, 1995  
PhD, The University of Tennessee, 2001

**Stirling, Kate:** Professor, Economics  
BA, St. Martin's College, 1980  
MA, PhD, University of Notre Dame, 1983, 1987

**Stockdale, Jonathon:** Assistant Professor,  
Religion  
BA Kenyon College, 1997  
MA, PhD, University of Chicago Divinity School,  
1993, 2004

**Swinth, Yvonne:** Professor, Occupational  
Therapy  
BS, University of Puget Sound, 1984  
MS, PhD, University of Washington, 1991, 1997

**Tamashiro, Joyce:** Instructor, Biology  
BS, University of Puget Sound, 1978  
PhD, University of California-San Diego, 1985

**Taranovski, Theodore:** Professor, History  
BA, University of California-Los Angeles, 1963  
MA, PhD, Harvard University, 1965, 1976

**Taylor, Robert:** Assistant Professor, Music  
BA, Humboldt State University, 1994  
MM, PhD, Northwestern University, 2002, 2005

**Tepper, Jeffrey:** Associate Professor, Geology

AB, Dartmouth College, 1981  
MS, PhD, University of Washington, 1985, 1991

**Thomas, Ronald:** Professor, English and  
President  
BA, Wheaton College, 1971  
MA, PhD, Brandeis University, 1978, 1983

**Thorndike, Alan:** Professor and Chair, Physics  
BA, Wesleyan University, 1967  
PhD, University of Washington, 1978

**Tinsley, David:** Professor, Foreign Languages and  
Literature  
BA, Colorado College, 1976  
MA, University of North Carolina-Chapel Hill,  
1979  
MA, PhD, Princeton University, 1982, 1985

**Tomlin, George:** Professor and Director,  
Occupational Therapy  
BS, Massachusetts Institute of Technology, 1972  
MA, Boston University, 1979  
MS, University of Puget Sound, 1983  
PhD, University of Washington, 1996

**Tracy Hale, Alison:** Assistant Professor, English  
BA, University of California - Berkeley, 1985  
MA, Boston University, 1989  
MA, San Francisco State University, 1995  
PhD, University of Washington, 2005

**Tubert, Ariela:** Assistant Professor, Philosophy  
BA, New York University, 1996  
MA, PhD, University of Texas at Austin, 2001,  
2005

**Tullis, Alexa:** Professor and Chair, Biology  
BA, University of California-Berkeley, 1987  
PhD, University of Chicago, 1994

**Turnbull, Mary:** Instructor, English  
BA, University of Washington, 1968  
MA, University of Puget Sound, 1972  
PhD, University of Chicago, 1978

**Tyson, Judith:** Instructor, Foreign Languages and  
Literature  
BA, Earlham College, 1967  
MA, University of Wisconsin, 1973

**Valentine, Michael:** Professor and Chair, Geology  
BS, State University of New York-Albany, 1975  
MS, PhD, University of Massachusetts, 1985, 1990

- VanEngen Spivey, Amelia G.:** Assistant Professor, Physics  
BS, Westmont College, 1996  
MS, PhD, University of Colorado, 1999, 2003
- Vélez-Quiñones, Harry:** Professor, Foreign Languages and Literature  
BA, Washington University, 1982  
MA, PhD, Harvard University, 1983, 1990
- Veseth, Michael:** Professor and Director, International Political Economy Program  
BA, University of Puget Sound, 1972  
MS, PhD, Purdue University, 1974, 1975
- Walls, Kurt:** Assistant Professor, Theatre Arts  
BT, Willamette University, 1981  
MFA, University of Washington, 1984
- Ward, Keith:** Professor and Director, School of Music  
BM, West Chester University, 1978  
MM, DM, Northwestern University, 1979, 1986
- Warning, Matthew:** Associate Professor, Economics  
BS, Auburn University, 1983  
MS, University of California at Davis, 1988  
PhD, University of California at Berkeley, 1997
- Warren, Barbara:** Professor and Chair, Exercise Science  
BS, Southwest Missouri State University, 1973  
MS, PhD, Indiana University – Bloomington, 1974, 1982
- Weber, Paul:** Visiting Assistant Professor, Physics  
BS, Bemidji State University, 1982  
MS, PhD, University of Colorado-Boulder, 1987, 1990
- Weinberger, Seth:** Assistant Professor, Politics and Government  
BA, University of Chicago, 1993  
MA, Georgetown University, 1995  
PhD, Duke University, 2005
- Weiss, Stacey:** Assistant Professor, Biology  
BS, University of California - Los Angeles, 1991  
PhD, Duke University, 1999
- Weisz, Carolyn:** Associate Professor and Chair, Psychology  
BA, Stanford, 1987  
MA, PhD, Princeton, 1989, 1992
- Wiese, Nila:** Assistant Professor, Business and Leadership  
BS, Oklahoma State University, 1991  
MIM, Baylor University, 1992  
PhD, University of Oregon, 1996
- Wikarski-Miedel, Cordelia:** Northwest Artist-in-Residence, Music  
MM, Academy of Fine Arts-Berlin, 1961
- Williams, Linda K.:** Assistant Professor, Art  
BA, University of California-Davis, 1984  
MA, University of Texas-Austin, 1992  
PhD, University of Washington-Seattle, 2004
- Wilson, Ann:** Clinical Associate Professor, Physical Therapy  
BS, University of Puget Sound, 1989  
MEd., University of Washington, 1994
- Wilson, Paula:** Associate Professor, Business and Leadership  
BA, PhD, University of Washington, 1978, 1989
- Wimberger, Peter:** Professor, Biology and Acting Director, Slater Museum of Natural History  
BA, University of Washington, 1982  
PhD, Cornell University, 1991
- Wood, Lisa:** Professor, Psychology  
BA, MAT, PhD, University of Washington, 1975, 1979, 1987
- Woodward, John:** Professor, Education  
BA, Pomona College, 1973  
MA, PhD, University of Oregon, 1977, 1985
- Worland, Rand:** Assistant Professor, Physics  
BA, University of California-Los Angeles, 1977  
MA, PhD, University of California-Santa Barbara, 1984, 1989
- Yonkman, Jerry:** Associate Professor, Music  
BA, Calvin College, 1977  
MM, DM, Indiana University, 1982, 1990
- Emeriti**
- Albertson, Robert:** Religion  
BA, Northern Colorado University, 1947  
BD, Garrett-Evangelical Theological Seminary, 1950  
PhD, Claremont Graduate School, 1966
- Anderson, Norman:** Geology  
BS, University of Puget Sound, 1944  
MS, University of Washington, 1954  
PhD, University of Utah, 1965

## Faculty

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**Annis, LeRoy:** English

BA, MA, PhD, University of Washington, 1960, 1962, 1970

**Baarsma, William:** School of Business and Leadership

BA, University of Puget Sound, 1964  
MA, DPA, George Washington University, 1966, 1972

**Baisinger, Wilbur:** Communication and Theatre Arts

BA, University of Puget Sound, 1941  
MA, PhD, Northwestern University, 1947, 1958

**Bauer, Wolfred:** History/Associate Dean

BA, PhD, University of Washington, 1951, 1964

**Bauska, Barry:** English

BA, Occidental College, 1966  
PhD, University of Washington, 1971

**Bowditch, Edith Richards:** Education

BEd, Chicago Teachers College, 1942  
MS, PhD, University of Wisconsin, 1962, 1967

**Brown, Bert:** Physics

BS, Washington State University, 1949  
MS, California Institute of Technology, 1953  
PhD, Oregon State University, 1963

**Chandler, Lynnette:** Physical Therapy

BS, Simmons College, 1961  
BA, MEd, PhD, University of Washington, 1967, 1974, 1983

**Clayson, Shelby:** Physical Therapy

BS, University of Minnesota, 1960  
MS, University of Colorado, 1966

**Clifford, H. James:** Physics

BS, PhD, University of New Mexico, 1963, 1970

**Colby, Bill:** Art

BA, University of Denver, 1950  
MA, University of Illinois, 1954

**Combs, Ernest:** Economics

BA, Washington State University, 1953  
MILR, Cornell University, 1955  
PhD, University of Washington, 1971

**Corkrum, Ralph:** English

BA, MA, Washington State University, 1951, 1953

**Cousens, Francis:** English

BA, California State University-Los Angeles, 1956  
MA, California State University-Northridge, 1963  
PhD, University of Southern California, 1968

**Danes, Zdenko F.:** Physics

BS, PhD, Charles University, Prague, 1947, 1949

**Davis, Thomas A.:** Mathematics and Computer Science/Dean

BA, Denison University, 1956  
MS, University of Michigan, 1957  
PhD, Cambridge University, 1963

**Dickson, John:** Business and Leadership

BA, Colorado College, 1965  
MBA, Indiana University, 1967  
PhD, University of Oregon, 1974

**Duncan, Donald:** Physical Education

BA, Washington State University, 1951  
MS, University of Washington, 1969

**Eggers, Albert:** Geology

BS, Oregon State University, 1966  
MA, PhD, Dartmouth College, 1968, 1971

**English, John:** Education

BA, MA, Michigan State University, 1961, 1964  
PhD, University of Oregon, 1973

**Fields, Ronald:** Art

BA, Arkansas Polytechnic College, 1959  
MA, University of Arkansas, 1960  
PhD, Ohio University, 1968

**Goleeke, Thomas:** Music

BA, MA, University of Washington, 1958, 1959  
DMA, Stanford University, 1966

**Graham, Ernest:** Psychology

BA, Western Washington University, 1960  
MS, PhD, Washington State University, 1964, 1966  
JD, University of Puget Sound, 1979

**Green, Annabel Lee:** Education

BS, Kansas City Teachers College, 1935  
MA, Northwestern University, 1941  
EdD, University of Washington, 1966

**Guilmet, George:** Comparative Sociology

BS, MA, University of Washington, 1969, 1973  
PhD, University of California-Los Angeles, 1976

**Gunter, Craig:** Politics and Government

BA, University of Illinois, 1943  
MS, MS, University of Wisconsin, 1948, 1957  
EdD, Washington State University, 1964

**Gurza, Esperanza:** Foreign Languages and Literature

BA, University of Puget Sound, 1961  
MA, University of Oregon, 1963  
PhD, University of California, Riverside, 1974

**Hansen, J. Tim:** English

BA, Whitman College, 1956  
MA, University of Washington, 1960  
PhD, University of Oregon, 1965

**Hartley, Richard:** Psychology

BS, Lewis and Clark College, 1950  
MA, PhD, University of Denver, 1952, 1954

**Heimgartner, Norman:** Education

BA, New York State University, 1952  
MA, Columbia University, 1958  
EdD, University of Northern Colorado, 1968

**Herlinger, Ilona:** Music

BA, Michigan State University, 1955  
MM, University of Michigan, 1956

**Hodges, Richard:** Education

BEd, Oregon State University, 1952  
BS, MS, Oregon College of Education, 1953, 1958  
EdD, Stanford University, 1964

**Holm, Margo:** Occupational Therapy, OTR

BS, University of Minnesota, 1968  
Med, Pacific Lutheran University, 1978  
PhD, University of Nebraska-Lincoln, 1980

**Hostetter, Robert:** Education

BA, MA, Central Washington University, 1959, 1963  
EdD, University of Oregon, 1969

**Hoyt, Milton:** Education

BS, MS, University of Utah, 1948, 1953  
EdD, University of Colorado, 1967

**Hruza, Franklyn:** School of Business and Leadership

BS, California State Polytechnic University, 1958  
PhD, University of Washington, 1972

**Ibsen, Charles:** Comparative Sociology

BA, University of Colorado, 1964  
MS, PhD, Colorado State University, 1965, 1968

**Karlstrom, Ernest:** Biology

BA, Augustana College, 1949  
MS, University of Washington, 1952  
PhD, University of California, Berkeley, 1956

**Kerrick, Jerrill:** Mathematics and Computer Science

BA, MS, California State University-San Jose, 1962, 1967  
PhD, Oregon State University, 1971

**Koehl, Dorothy:** School of Business and Leadership

BS, Purdue University, 1952  
MBA, PhD, The Ohio State University, 1975, 1978

**Lantz, John:** Mathematics and Computer Science

BS, University of Puget Sound, 1946  
MA, University of Washington, 1955

**Lind, R. Bruce:** Mathematics and Computer Science

BS, Wisconsin State University, 1962  
MS, PhD, University of Wisconsin, 1964, 1972

**Lindgren, Eric:** Biology

BA, MA, Walla Walla College, 1965, 1966  
PhD, University of North Carolina, 1972

**Lowrie, Walter:** History

BA, University of Puget Sound, 1958  
MA, University of Washington, 1960  
PhD, Syracuse University, 1975

**Lowther, J. Stewart:** Geology

BS, MS, McGill University, 1949, 1950  
PhD, University of Michigan, 1957

**Mace, Terrence:** Biology

BA, Carleton College, 1968  
MS, University of Minnesota, 1971  
PhD, University of Montana, 1981

**Martin, Jacqueline:** Foreign Languages and Literature

BA, University of Washington, 1944  
MA, Boston University, 1952  
PhD, University of Oregon, 1966

**Mehlhoff, Curtis:** Chemistry

BS, University of California-Berkeley, 1961  
PhD, University of Washington, 1965  
JD, University of Puget Sound, 1989

**Merz, Carol:** School of Education

BA, MA, Stanford University, 1964, 1965  
EdD, Washington State University, 1983

## Faculty

---

- Morris, James:** School of Business and Leadership  
BA, MBA, Stanford University, 1940, 1947
- Musser, Robert:** Music  
BS, Lebanon Valley College, 1960  
MM, University of Michigan, 1966
- Myles, Margaret:** Music  
Chicago Music Conservatory, 1946  
LaForge Studio, 1942, 1950
- Nagy, Helen:** Professor and Chair (Fall 2005), Art  
BA, MA, PhD, University of California-Los  
Angeles, 1969, 1973, 1978
- Neel, E. Ann:** Comparative Sociology  
BA, University of California-Riverside, 1959  
MA, PhD, University of California-Berkeley, 1965,  
1978
- Nelson, Martin:** Physics  
BS, University of Puget Sound, 1937  
MS, University of Hawaii, 1939  
PhD, Ohio State University, 1942
- Oncley, Alma:** Music  
BS, MM, Eastman School of Music, 1931, 1933  
DSM, Union Theological Seminary, 1963
- Overman, Richard:** Religion  
BA, MD, Stanford University, 1950, 1954  
MTh, School of Theology, Claremont, 1961  
PhD, Claremont Graduate School, 1966
- Patterson, Dorothy:** Music  
BA, Western Washington State College  
MA, University of Puget Sound, 1957
- Peterson, Frank:** Comparative Sociology/  
Associate Dean  
BA, University of Puget Sound, 1950  
ThM, ThD, Iliff School of Theology, 1953, 1960
- Peterson, Gary:** Communication and Theatre Arts  
BS, University of Utah, 1960  
MA, PhD, Ohio University, 1961, 1963
- Phibbs, Philip M.:** Politics and Government/  
President  
BA, Washington State University, 1953  
MA, PhD, University of Chicago, 1954, 1957
- Phillips, John:** Religion/Comparative Sociology  
BA, Baker University, 1942  
STB, PhD, Boston University, 1945, 1948  
DD, Baker University, 1967
- Pierce, Susan Resneck:** English / President  
AB, Wellesley College, 1965  
MA, University of Chicago, 1966  
PhD, University of Wisconsin-Madison, 1972
- Pierson, Beverly:** Biology  
BA, Oberlin College, 1966  
MA, PhD, University of Oregon, 1969, 1973
- Polley, Roy J.:** School of Business and Leadership,  
CPA, CIA  
BA, MBA, University of Puget Sound, 1959, 1964
- Potts, David B.:** History  
BA, Wesleyan University, 1960  
MA, PhD, Harvard University, 1961, 1967
- Ragan, Elizabeth:** Art  
BA, Birmingham Southern College, 1958;  
MFA, Pratt Institute-Brooklyn, 1985
- Riegsecker, John:** Professor, Mathematics and  
Computer Science  
BA, Goshen College, 1968  
MS, Northern Illinois University, 1971  
PhD, University of Illinois-Chicago, 1976
- Slee, Frederick:** Physics  
BS, MS, PhD, University of Washington, 1959,  
1960, 1966
- Smith, Carol:** Mathematics and Computer  
Science  
BS, Birmingham Southern, 1965  
MA, University of Georgia, 1968  
PhD, University of Alabama, 1975  
MS, Colorado State University, 1983
- Sorensen, James:** School of Music  
BFA, MM, University of South Dakota, 1954, 1959  
EdD, University of Illinois, 1971
- Steiner, Robert:** Education  
BA, University of Washington, 1962  
MS, PhD, Oregon State University, 1968, 1971
- Stern, Lawrence:** Philosophy  
BA, Rutgers University, 1958  
MA, PhD, Harvard University, 1962, 1968
- Stevens, Kenneth:** Art  
BS, Harvey Mudd College, 1961  
MFA, University of Puget Sound, 1971  
PhD, University of Washington, 1966

**Stone, Ronald:** Occupational Therapy  
BA, Bethel College, 1968  
MS, Virginia Commonwealth University, 1974

**Taylor, Desmond:** Library  
BA, Emory and Henry College, 1953  
MS, University of Illinois, 1960

**Umstot, Denis:** School of Business and  
Leadership  
BS, University of Florida, 1960  
MS, Air Force Institute of Technology, 1967  
PhD, University of Washington, 1975

**VanArsdel, Rosemary:** English  
BA, MA, University of Washington, 1947, 1948  
PhD, Columbia University, 1961

**VanEnkevort, Ronald:** Mathematics and  
Computer Science  
BS, University of Washington, 1962  
MS, PhD, Oregon State University, 1966, 1972

**Vogel, Robert:** Art  
MA, MFA, University of Iowa, 1962, 1971

**Waldo, Robert:** School of Business and  
Leadership  
BS, MS, University of Colorado, 1948, 1949  
MBE, PhD, Claremont Graduate School, 1966,  
1972

**Wallrof, Paul:** Physical Education  
BA, MS, University of Washington, 1958, 1965

**Wilson, Roberta:** Professor, Exercise Science  
BS, MS, University of California-Los Angeles,  
1970, 1973  
PhD, University of Southern California, 1988

**Wood, Anne:** Chemistry  
BS, PhD, University of Illinois-Urbana, 1966,  
1970

**Zech, Donald:** Physical Education  
BS, University of Notre Dame, 1954  
MS, Washington State University, 1955

# Calendar 2006-2007

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## Fall Semester 2006

August 5	Saturday	Confirmation Deadline, by mail (postmarked) or in person
August 18	Friday	Open Registration for Fall closes
August 18	Friday	New Student Orientation Check In Open, 8 a.m.
August 18	Friday	Residential Facilities Open for All New Students, 9 a.m.
August 18	Friday	Board Plan Meal Service Opens, 7 a.m.
August 18–August 27	Friday–Sunday	Orientation Week
August 25	Friday	Residential Facilities Open for All Continuing Students, 9 a.m.
August 28	Monday	Classes Begin
August 28	Monday	Add/Drop and Audit Registration Begins
August 29	Tuesday	Last Day to Drop with 100% Tuition Adjustment
September 4	Monday	Labor Day (No classes)
September 5	Tuesday	Last Day to Add or Audit Classes
September 5	Tuesday	Last Day to Exercise P/F Option
September 8	Friday	Application for May/August/December, 2007 Graduation
September 11	Monday	Last Day to Drop Without Record
September 11	Monday	Last Day to Drop with 80% Tuition Adjustment
September 15	Friday	Last Day to Drop with 50% Tuition Adjustment
September 22	Friday	Last Day to Drop with 40% Tuition Adjustment
September 25	Monday	Last Day to Withdraw With an Automatic “W”
September 29	Friday	Last Day to Drop with 30% Tuition Adjustment
October 6	Friday	Last Day to Drop with 25% Tuition Adjustment
October 13	Friday	Incomplete Spring/Summer Work Due to Instructor
October 13	Friday	Mid-Term
October 13	Friday	Last Day to Change Meal Plan
October 13	Friday	Last Day to Drop with 20% Tuition Adjustment
October 16-17	Monday–Tuesday	Fall Break (No Classes)
October 18	Wednesday	Mid-Term Grades Due, Noon
October 20	Friday	Last day to drop at 15%
October 30	Monday	Preliminary 2006 Summer Schedule available
November 10-17	Friday–Friday	Registration for Spring Term
November 22	Wednesday	Board Plan Meal Service Closes, 6 p.m.
November 22	Wednesday	Travel Day (No Classes)
November 23-26	Thursday–Sunday	Thanksgiving Holiday (Residential Facilities Remain Open)
November 26	Sunday	Board Plan Meal Service Opens, 4 p.m.
November 27	Monday	Open Registration for Spring Begins (Continuing & Transfer Students)
December 6	Wednesday	Last Day of Classes
December 7-10	Thursday–Sunday	Reading Period (No Classes)
December 11-15	Monday–Friday	Final Examinations
December 15	Friday	Board Plan Meal Service Closes, 6 p.m.
December 16	Saturday	All Residential Facilities Close, Noon
January 2	Tuesday	Final Grades Due, 12:00 Noon
January 3	Wednesday	Probation/dismissal meeting for Fall 2006, 9 a.m.

## Spring Semester 2007

January 5	Friday	Confirmation Deadline, by mail (postmarked) or in person
January 10	Wednesday	Board Plan Meal Service Open
January 12	Friday	Open Registration for Spring closes
January 13	Saturday	Residential Facilities Open for all Continuing Students 9 a.m.
January 14	Sunday	Board Plan Meal Service Open
January 15	Monday	Martin Luther King Jr. Birthday (No Classes)



January 15	Monday	Orientation for New Students
January 16	Tuesday	Classes Begin
January 16	Tuesday	Add/Drop and Audit Registration Begins
January 17	Wednesday	Last Day to Drop with 100% Tuition Adjustment
January 23	Tuesday	Last Day to Add or Audit Classes
January 23	Tuesday	Last Day to Exercise P/F Option
January 29	Monday	Last Day to Drop Without Record
January 29	Monday	Last Day to Drop with 80% Tuition Adjustment
February 2	Friday	Last Day to Drop with 50% Tuition Adjustment
February 9	Friday	Last Day to Drop with 40% Tuition Adjustment
February 12	Monday	Last Day to Withdraw with an Automatic "W"
February 16	Friday	Last Day to Drop with 30% Tuition Adjustment
February 23	Friday	Last Day to Drop with 25% Tuition Adjustment
March 2	Friday	Last Day to Drop with 20% Tuition Adjustment
March 9	Friday	Last Day to Drop with 15% Tuition Adjustment
March 9	Friday	Incomplete Fall Work Due to Instructor
March 9	Friday	Mid-Term
March 9	Friday	Last Day to Change Meal Plan
March 12-16	Monday-Friday	Spring Recess (Residential Facilities Remain Open)
March 19	Monday	Classes Resume
March 19	Monday	Mid-Term Grades Due, Noon
April 2-6	Monday-Friday	Registration for Fall Term
April 9	Monday	Early Registration for Summer Begins
April 16	Monday	Open Registration for Fall Begins (Continuing & Transfer Students)
May 2	Wednesday	Last Day of Classes
May 3-6	Thursday-Sunday	Reading Period (No Classes)
May 7-11	Monday-Friday	Final Examinations
May 11	Friday	Board Plan Meal Service Closes, 6 p.m.
May 11	Friday	Class of 2007 Graduation Party, 8 p.m.
May 12	Saturday	Residential Facilities Close for non-graduating students, noon
May 12	Saturday	Convocation, 2 p.m.
May 13	Sunday	Baccalaureate, 10 a.m.
May 13	Sunday	Commencement, 2 p.m.
May 14	Monday	Residential Facilities Close for Graduating Seniors, Noon
May 23	Wednesday	Final Grades Due, Noon
May 25	Friday	Probation/Dismissal Meeting for Spring 2007, 9 a.m.

**Summer Session 2007**

**Term I**

May 14	Monday	Term I Begins
May 14	Monday	Last day to drop with 100% refund
May 18	Friday	Last day to exercise pass/fail option
May 18	Friday	Last day to add a class
May 18	Friday	Last day to register for audit
May 18	Friday	Last day to drop without record
May 18	Friday	Last day to drop with 50% refund
May 25	Friday	Last day to withdraw with a "W"
May 25	Friday	Last day to drop with 25% refund
May 28	Monday	Memorial Day (No Classes)
June 22	Friday	Term I Ends
July 2	Monday	Term I Grades Due, Noon

# Calendar 2006-2007

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## Term II

June 25	Monday	Term II Begins
June 25	Monday	Last day to drop with 100% refund
June 29	Friday	Last day to exercise pass/fail option
June 29	Friday	Last day to add a class
June 29	Friday	Last day to register for audit
June 29	Friday	Last day to drop without record
June 29	Friday	Last day to drop with 50% refund
July 4	Wed	Independence Day Holiday (No Classes)
July 6	Friday	Last day to withdraw with a "W"
July 6	Friday	Last day to drop with 25% refund
August 3	Friday	Term II Ends
August 13	Monday	Term II Grades Due, Noon

## Term A

June 18	Monday	Term A (MAT) Begins
June 18	Monday	Last day to drop with 100% refund
June 22	Friday	Last day to drop with 75% refund
June 22	Friday	Last day to exercise pass/fail option
June 22	Friday	Last day to add a class
June 22	Friday	Last day to register for audit
June 22	Friday	Last day to drop without record
June 29	Friday	Last day to drop with 50% refund
June 29	Friday	Last day to withdraw with a "W"
July 4	Wed	Independence Day Holiday (No Classes)
July 6	Friday	Last day to drop with 25% refund
August 10	Friday	Term A Ends
August 20	Monday	Term A Grades Due, Noon

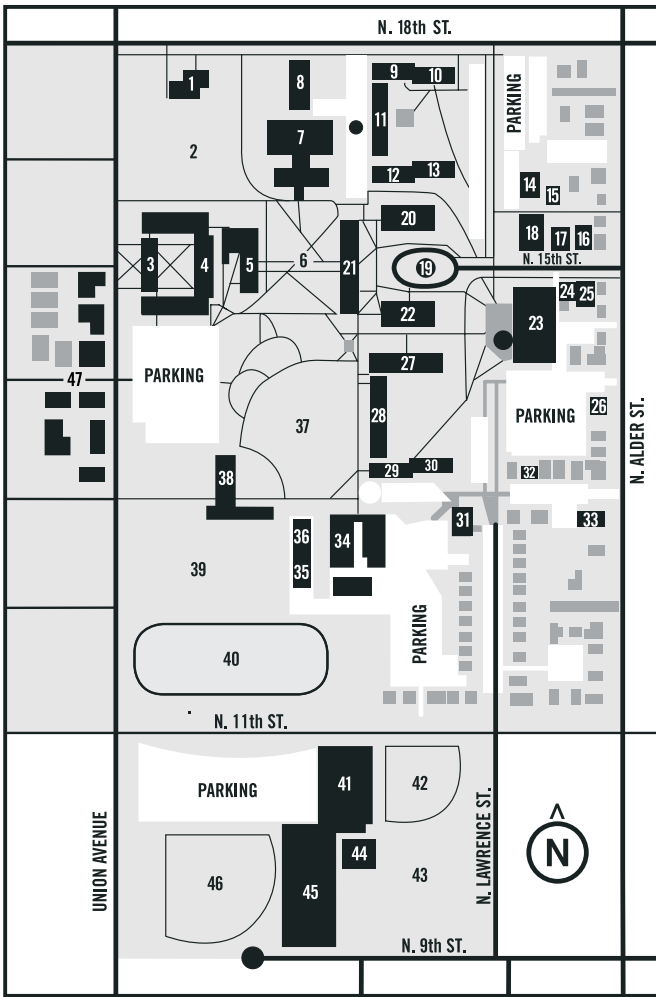
## Term B

June 18	Monday	Term B (MEd) Begins
June 18	Monday	Last day to drop with 100% refund
June 22	Friday	Last day to exercise pass/fail option
June 22	Friday	Last day to add a class
June 22	Friday	Last day to register for audit
June 22	Friday	Last day to drop without record
June 22	Friday	Last day to drop with 50% refund
June 29	Friday	Last day to withdraw with a "W"
July 4	Wed	Independence Day Holiday (No Classes)
July 13	Friday	Term B Ends
July 23	Monday	Term B Grades Due, Noon

## Term C

July 16	Monday	Term C (MEd) Begins
July 16	Tuesday	Last day to drop with a 100% refund
July 20	Friday	Last day to exercise pass/fail option
July 20	Friday	Last day to add a class
July 20	Friday	Last day to register for audit
July 20	Friday	Last day to drop without record
July 20	Friday	Last day to drop with 50% refund
July 27	Friday	Last day to withdraw with a "W"
August 10	Friday	Term C Ends
August 20	Monday	Term A Grades Due, Noon

# University of Puget Sound Campus Map



- |  |  |                                  |
|--|--|----------------------------------|
| 2 Alcorn Aoretum                             | 21 Jones Hall                            | 34 South Hall                    |
| 11 Anderson/Langdon Residence Hall           | 6 Karlen Quad                            | 16 Student Development C         |
| 40 Baker Stadium/Peyton Field/Shotwell Track | 8 Kilworth Memorial Chapel               | 17 Student Diversity Cente       |
| 46 Baseball Diamond                          | 18 Kittredge Hall and Art Gallery        | 45 Tennis Pavilion               |
| 14 Ceramics Building                         | 33 Langlow House                         | 4 Thompson Hall                  |
| 7 Collins Memorial Library                   | 39 Lower Baker Field                     | 37 Todd Field                    |
| 26 Communications House                      | 20 McIntyre Hall                         | 28 Todd/Phibbs Residence         |
| 32 Community Involvement & Action Center     | 5 Music Building/Schneebeck Concert Hall | 27 Trimble Residence Hall        |
| 24 Copy Services                             | 1 President's House                      | 47 Union Avenue Residence        |
| 43 East Athletic Field                       | 29 Register Residence Hall               | 12 University Residence H        |
| 41 Memorial Fieldhouse/Pamplin Sports Center | 10 Schiff Residence Hall                 | 44 Volleyball Courts             |
| 3 Harned Hall                                | 15 Sculpture Building                    | 35 Wallace Pool                  |
| 9 Harrington Residence Hall                  | 25 Security Services                     | 36 Warner Gymnasium              |
| 22 Howarth Hall                              | 30 Seward Residence Hall                 | 23 Wheelock Student Center (WSC) |
| 31 Human Resources Office                    | 13 Smith Residence Hall                  | 38 Wyatt Hall                    |
| 19 Jones Circle                              | 42 Softball Field                        |                                  |

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# Telephone and E-mail Directory

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The address of the University of Puget Sound is  
University of Puget Sound  
1500 N. Warner St.  
Tacoma, WA 98416 USA  
Telephone: 253.879.3100  
Facsimile: 253.879.3500

Listed below are offices to which inquiries of various types may be directed.

Academic Vice President and Dean	253.879.3205 .....	acadvp@ups.edu
Admission	253.879.3211 .....	admission@ups.edu
Academic Advising	253.879.3250 .....	aa@ups.edu
Alumni Programs	253.879.3245 .....	alumoffice@ups.edu
Associated Students	253.879.3600.....	asupspresident@ups.edu
Bulletins	253.879.3211 .....	admission@ups.edu
Career and Employment Services	253.879.3161.....	ces@ups.edu
Center for Writing, Learning, and Teaching	253.879.3395 .....	neff@ups.edu
Financial Aid and Scholarships	253.879.3214 / 1.800.396.7195.....	sfs@ups.edu
Information Services	253.879.8585 .....	helpdesk@ups.edu
International Programs	253.879.3652 .....	jannie@ups.edu
Library	253.879.3669 .....	libref@ups.edu
President's Office	253.879.3201 .....	president@ups.edu
Registrar's Office	253.879.3217 .....	registrar@ups.edu
Student Development (Residence Life, Student Activities)	253.879.3317 / 253.879.3322 .....	sdev@ups.edu
Student Affairs (Dean of Students)	253.879.3360 .....	dos@ups.edu
Study Abroad	253.879.3652 .....	jannie@ups.edu
Summer Session	253.879.3207 .....	cwashburn@ups.edu
Transcript Ordering (recorded message)	253.879.2641	
Tuition/Fees/Payment of Bills	253.879.3214 / 1.800.396.7195.....	sfs@ups.edu
University Relations	253.879.3902 .....	vpour@ups.edu

## **Diversity Statement**

### **We Acknowledge**

the richness of commonalities and differences we share as a university community.  
the intrinsic worth of all who work and study here.  
that education is enhanced by investigation of and reflection upon multiple perspectives.

### **We Aspire**

to create respect for and appreciation of all persons as a key characteristic of our campus community.  
to increase the diversity of all parts of our University community through commitment to diversity in our recruitment and retention efforts.  
to foster a spirit of openness to active engagement among all members of our campus community.

### **We Act**

to achieve an environment that welcomes and supports diversity.  
to ensure full educational opportunity for all who teach and learn here.  
to prepare effectively citizen-leaders for a pluralistic world.

## **Equal Opportunity Statement**

The University of Puget Sound does not discriminate in education or employment on the basis of sex, race, color, national origin, religion, creed, age, disability, marital or familial status, sexual orientation, Vietnam-era veteran status, gender identity, or any other basis prohibited by local, state, or federal laws. This policy complies with the spirit and the letter of applicable federal, state and local laws, including Title IX of the Education Amendments of 1972, Sections 503 and 504 of the Rehabilitation Act of 1973, and the Americans with Disabilities Act of 1990. Questions about the policy may be referred to the University's Director of Human Resources and Affirmative Action (253.879.3116) or the Office of Civil Rights, Department of Education, Washington, D.C. 20202.





UNIVERSITY *of* PUGET SOUND

1500 N. WARNER ST.  
TACOMA, WA 98416