Summer Quarter Distance Learning
Make Progress Toward Your Degree

1998 Bulletin and Time Schedule
Full Term: June 22-August 21
A Term: June 22-July 22
B Term: July 23-August 21
We Can Help You Reach Graduation!

Seattle • Tacoma • Bothell

DID YOU KNOW?

☐ More than 100 of the most highly demanded courses are offered in the summer.
☐ You'll have a better chance of getting into the class you need.
☐ You can still keep your summer job by taking shorter four and a half week summer courses, or take evening classes.
☐ You can earn a year's language credit by completing an intensive summer language course.
☐ Summer Quarter classes are smaller, so you'll have better chance of getting to know your professors and classmates.
☐ In-state tuition applies for all undergraduate and most graduate courses.
☐ Some classes that are open only to majors in other quarters may be taken by nonmajors in the summer.
☐ And, at the end of Summer Quarter you still have five weeks to relax or work full-time.
Summer Quarter Quick Reference

Overview

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How to apply and register

1. Complete the application on the inside back cover.
   If you have already applied for Summer/Autumn admission as a matriculated student, do not complete this form.
2. Mail the application with a nonrefundable application fee of $35 (please attach a check in U.S. funds made payable to the University of Washington). Applications will be processed as soon as possible. However, due to the volume of applications received, processing time may take four to six weeks. After June 1, applications must be submitted in person.
   • If you have never attended UW credit classes, mail application to:
     University of Washington
     Office of Undergraduate Admissions
     320 Schmitz Hall
     Box 355840
     Seattle, WA 98195-5840
   • If you have previously attended UW credit classes and have been assigned a student I.D. number, mail application to:
     University of Washington
     Registration Office
     225 Schmitz Hall
     Box 355830
     Seattle, WA 98195-5830
3. You may register by touchtone telephone as soon as you receive notification of acceptance but not before April 29, 1998. For STAR registration schedule and instructions, see pages 146-150.

See Admissions, pages 140-145, or call Summer Quarter Academic Advising, (206) 543-6160, for additional information.

* Continuing UW students currently enrolled for Spring Quarter 1998 or students who completed Winter Quarter 1998 and took Spring Quarter off do not need to apply for Summer Quarter. Use the Summer Quarter Bulletin and Time Schedule and register by STAR the same way as for any other quarter.

Important dates for Summer Quarter 1998

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>APRIL 27</td>
<td>STAR registration by phone begins for graduating seniors or postbaccalaureate students with degree applications on file (see registration schedule, page 146, for details)</td>
</tr>
<tr>
<td>APRIL 29</td>
<td>STAR registration by phone begins for all other students (see registration schedule, page 146, for details)</td>
</tr>
<tr>
<td>JUNE 1</td>
<td>Last day applications accepted by mail; later applications accepted in-person only</td>
</tr>
<tr>
<td>JUNE 22</td>
<td>Full term and a term classes begin; students billed for Summer Quarter tuition</td>
</tr>
<tr>
<td>JUNE 22</td>
<td>$25 late fee assessed to register late for full and a term; July 23 for b term</td>
</tr>
<tr>
<td>JUNE 29</td>
<td>$20 change fee assessed to add, drop or change a course for full and a term; July 30 for b term. Additional tuition or tuition forfeiture may also be charged.</td>
</tr>
<tr>
<td>JULY 3</td>
<td>Independence Day holiday</td>
</tr>
<tr>
<td>JULY 6</td>
<td>$75 late fee assessed to register late for full and a term; July 30 for b term. Registration by Late Add Petition only.</td>
</tr>
<tr>
<td>JULY 10</td>
<td>Tuition payment deadline</td>
</tr>
<tr>
<td>JULY 22</td>
<td>a term ends</td>
</tr>
<tr>
<td>JULY 23</td>
<td>b term begins</td>
</tr>
<tr>
<td>AUG. 21</td>
<td>Full term and b term end</td>
</tr>
</tbody>
</table>

For other application deadlines and important dates, please refer to the Quick Reference Guide to Quarter Deadlines, pages 138-139.

Quick Reference Guide to Quarter Deadlines

For a complete list of application deadlines, registration periods, late fees and dates to add, drop or withdraw from courses, be sure to check the Quick Reference Guide to Quarter Deadlines on pages 138-139 of this bulletin. Information is provided for full-term as well as a and b term courses.

Summer Quarter 1998 sessions

Short, four and one-half week a and b terms are available during Summer Quarter. Some even shorter workshops are offered; dates for these are included with listings in this bulletin.

- June 22-August 21: Full Term
- June 22-July 22: a Term
- July 23-August 21: b Term

1
The University of Washington
Values
Diversity

Summer Quarter

Students: The University of Washington is committed to promoting respect for the rights and privileges of others, understanding and appreciation of human differences and the constructive expression of ideas. This commitment is supported by federal and state laws and University policies prohibiting discrimination on the basis of:

- Age
- Creed
- Color
- Disability
- Sex
- Marital status
- National origin
- Race
- Religion
- Sexual orientation
- Status as a disabled veteran
- Vietnam era veteran

If you believe you have been discriminated against on the basis of one or more of the factors listed above, the circumstances should be reported to:

- Office of the Vice President for Student Affairs, 476 Schmitz Hall, 543-4972
- U.S. Department of Education Office for Civil Rights, 220-7900, TTY 220-7907

The University of Washington Student Conduct Code obligates students to:

- Practice high standards of academic and professional honesty and integrity;
- Respect the rights, privileges and property of other members of the academic community and visitors to the campus, refraining from actions which would interfere with University functions or endanger the health, welfare, or safety of other persons; and
- Comply with the rules and regulations of the University and its schools, colleges, and departments.

Violations of these standards may result in a variety of disciplinary actions, including suspension or permanent dismissal from the University.

Copies of the Code may be obtained from 476 Schmitz Hall.
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APPLICATION  inside back cover

Refer to the Index on pages 175-176 for detailed listings.

A summer-only application can be found on the inside back cover.
The University of Washington offers one of the nation's largest Summer Quarter programs. Courses are offered for continuing students who wish to make progress toward their degrees, students from other universities, educators at all levels, and working adults seeking career advancement.

Class size is typically smaller during Summer Quarter. Many of the UW's best faculty teach in the summer, and experts from around the country and abroad serve as visiting faculty.

Summer students can earn up to a year's language credit by completing an intensive language course, or concentrate on a difficult course.

**Complete the Writing (W) Requirement**

UW students who started college in autumn 1985 or later and plan to major in the College of Arts and Sciences must complete 10 credits of writing designated courses. Some other undergraduate majors also require W courses, which include a substantial amount of writing. For some courses, only certain sections fulfill the W requirement. Please refer to the *Time Schedule* section, pages 91-137, for details. The following summer courses have been designated as W courses:

- Anthropology (ANTH) 204, 301, 436
- Architecture (ARCH) 460
- Chemistry (CHEM) 299
- Community and Environmental Planning (CEP) 498
- Drama (DRAMA) 302
- Economics (ECON) 460

**If you can't come to campus**

More than 120 UW credit courses and several certificate programs are offered through distance learning, for those who can't attend classes on a regular basis or prefer to study at their own pace. Students taking courses through distance learning use email and voice mail to communicate with their instructors and get feedback on their assignments. UW distance learning courses are included within specific subject areas of this bulletin. A list of courses available through distance learning is also included on pages 168-171.
Summer Tuition
In-state tuition applies for all summer students including nonresidents, except for courses offered by the medical and dental schools. Summer Quarter tuition for 1998 had not been determined at presstime. Summer 1997 tuition was $1,041 for a full-time undergraduate load (10 or more credits) and $1,170 for a full-time graduate load (seven or more credits). Summer 1997 tuition for full-time medical and dental students (taking 13 or more credits) was $2,749 for residents and $7,053 for nonresidents.

About Seattle and the UW Campus
Seattle’s weather is almost always pleasant during the summer. So, besides your studies, Summer Quarter is a perfect time to enjoy many Seattle area attractions such as ferry cruises, the Pike Place Market, Golden Gardens, and Pioneer Square. Great places to hike, bike, fish and have a picnic are nearby. Woodland Park Zoo, Green Lake, Alki Beach, Seattle Center for plays, the symphony, ballet and opera, the Kingdome for major league baseball, and the Waterfront Activities Center on the UW campus are other popular summertime places. To learn more about Seattle, visit the following Web sites:
* www.seattlesquare.com
* seattle.sidewalk.com

Complete Your Language Requirement
The University of Washington offers one of the nation’s largest summer intensive foreign language programs. Students may earn up to a year’s worth of language credit in nine weeks. Intensive courses are offered in the following languages:

- Arabic
- Bengali (Indian)
- Chinese
- Czech
- Finnish
- French
- German
- Greek
- Hebrew
- Hindi
- Italian
- Japanese
- Korean
- Norwegian
- Persian
- Portuguese
- Russian
- Spanish
- Swedish
- Swahili
- Turkish
- Uzbek

Because some intensive courses fill rapidly, you are encouraged to register as early as possible. There are also non-intensive courses in the summer in the following four languages:

- French
- German
- Italian
- Spanish

Language courses are listed under the appropriate language department in the course listing section, pages 8-30.
The University of Washington is one of the nation's leading research institutions, consistently ranking among the top universities in grants and contracts for research. Since 1969, the UW has been among this country's top five educational institutions in receipt of federal research funds, ranking first among public universities in the most recent years for which government figures are available. Grants to the UW support research and training programs in basic and applied sciences, and the arts and humanities.

UW research programs benefit students attending the University, as well as the state of Washington and the nation. These programs enhance the learning environment, providing invaluable training for graduate and professional students and numerous opportunities for undergraduates. UW researchers have won numerous professional honors, including Nobel prizes in medicine and physics. Adding to its long tradition of balancing both basic and applied research activities, the UW is becoming much more active in technology transfer, transferring the results of its research from the campus to the marketplace for public benefit.

**Take Advantage of Science Resources this Summer**

There are many science-related courses on the summer schedule. For science offerings, please see the course listings for the adjacent departments. You may also be interested in Science-related Courses for Teachers, page 58, and science courses through UW Distance Learning, pages 68-72.

"My physics professor was entertaining and enlightening. I thoroughly enjoyed my Summer Quarter experience and plan on attending again next year."

Alan T. Aimi
Best UW Summer Student
The University of Washington's experienced and award-winning faculty, along with guest experts from around the country and abroad, share their knowledge and research with students each summer. The UW is proud to announce the following visiting professors for Summer Quarter 1998.

Visiting Faculty Share Their Knowledge and Research

College of Arts and Sciences

Anthropology
Fred Krissman, Ph.D., University of California, Santa Barbara; Rockefeller Scholar - Research Scientist, University of Washington, Center for Labor Studies
ANTH 494A Migrant Labor in America

Botany
Warren Gold, Ph.D., University of Utah; faculty member, University of Santa Clara
BOT 458A Alpine Plant Ecology

International Studies
Cägäri Keyder, Ph.D., University of California, Berkeley; B.A., Yale University; faculty member, Bogazici University, Istanbul, Turkey, and Binghamton University
SIS 390A Political Economy of Industrialized Nations
Virginia Brown Keyder, L.L.B., McGill University; B.A., University of California, Berkeley; faculty member, Binghamton University
SIS 490A Introduction to European Law
Solomon Nkivane, Ph.D., McGill University; M.A., Makerere University College, Uganda; B.A., Colorado College Department of Chair, Political and Administrative Studies, University of Zimbabwe
SIS 490A Africa After the Cold War

Sociology
Alan Miller, Ph.D., University of Washington; faculty member, Hokkaido University, Japan
SOC 271A Introduction to the Sociology of Deviance
Linda Stephens, Ph.D., University of Washington; faculty member, Clemson University; 1995 Recipient of UW District Teaching Award
SOC 450A Political Economy of Women and Family in the Third World
SOC 481A Families, Poverty and Social Politics

Robert Keppel, Ph.D., University of Washington; Chief Investigator, Criminal Division, Washington State Attorney General's Office; Consultant, Green River Murders Task Force; Primary Investigator, Ted Bundy Murder Cases; Consultant, California Night Stalker Murder Cases
SOC 275A Murder

School of Business Administration
Marketing
Chip Miller, Ph.D., University of Washington; faculty member, Pacific Lutheran University
MKTG 301 Marketing Concepts
MKTG 335 Principles of Selling

Graduate School of Library and Information Science
Ronald D. Doctor, Ph.D., retired Associate Professor, School of Library and Information Studies, University of Alabama, Tuscaloosa, Alabama
LIS 586 Current Issues in Information Democracy

College of Ocean and Fishery Sciences

Fisheries Science
John L. Bengtson, Ph.D., University of Minnesota, Minneapolis; Leader, Antarctic Ecosystem Program, National Marine Fisheries Service
FISH 475 Marine Mammalogy
FISH 476 Marine Mammalogy Laboratory

Richard C. Ferraro, doctoral candidate, University of Washington; Fishery Biologist, National Marine Fisheries Service
FISH 475 Marine Mammalogy
FISH 476 Marine Mammalogy Laboratory

Susan A. Miller, M.S., University of Washington; Instructor, Seattle Central Community College
FISH 297 Puget Sound Ecology

Graduate School of Public Affairs

Victor Flatt, J.D., Northwestern University; faculty member, Georgia State University
College of Law
PB AF 505 Law of Public Administration
Guide to Course Descriptions

Course titles and descriptions are arranged in alphabetical order by college and school; academic departments are listed alphabetically within the appropriate college. The Time Schedule section of this bulletin, pages 91-137, contains the dates and times you need to plan your schedule, and the schedule line number (SLN) used when registering by phone using STAR. For further information, contact the appropriate department. Distance learning courses are not listed in the Time Schedule section, since registration for these courses is not done using STAR. To register for distance learning courses, call (206) 543-2510 or 1-800-543-2320.

See the Time Schedule section, pages 91-137 for class dates and times.

See the Time Schedule section, pages 91-137 for class dates and times.

Key to symbols and abbreviations

▲ Class meets a term: June 22 - July 22
No symbol: class meets full term
▲ Class meets b term: July 23 - Aug. 21
No symbol: class meets full term
W Fulfills English Composition general education requirement
(C) Fulfills English Composition general education requirement
(I&S) Fulfills Individuals and Societies general education requirement
(NW) Fulfills Natural World general education requirement
(QSR) Fulfills Quantitative and Symbolic Reasoning general education requirement
(VLPA) Fulfills Visual, Literary and Performing Arts general education requirement
(2, max 8) The first number is the number of credits that may be earned in a single quarter or term. The second is the maximum number of credits that may be earned by repeating the course.
(1-5) Varying number of credits per single quarter or term. Specific number may be determined by consultation with instructor or advisor.
(*) Variable credits: Call the sponsoring department for more information.
CR/NC only Course offered for credit/no credit grading only.

Credits

The University of Washington is on the quarter system. The credit listed for each course is the quarter credit. Semester credits multiplied by 1.5 equal quarter credits; quarter credits divided by 1.5 equal semester credits. Credit is given for full-quarter courses only when the entire quarter is completed. Some courses may be repeated for additional credit during subsequent quarters or terms; in this case, the maximum number of credits that may be earned is stated (e.g., 2, max. 8).

Course listing system

Most course listings include course number, title, credits given (specific or variable), a description and statement of subject matter and method, and any prerequisite required. Independent study courses and seminars or other courses offered on a special-arrangement basis with the department are shown at the end of the regular departmental listing. For details about courses offered by special arrangement, consult the Time Schedule section of this bulletin or the department.

Courses numbered from 100 through 299 are lower-division courses normally for freshmen or sophomores; those numbered from 300 through 499 are upper-division courses normally for juniors, seniors and postbaccalaureate students. Courses numbered 500 and above are generally restricted to graduate students. Undergraduate, postbaccalaureate and nonmatriculated students who wish to register for 500-level courses must obtain permission from the instructor of the class, departmental chairperson or other designated person.

When acceptable to the major department and the Graduate School, approved 400-level courses may be applied as graduate credit in the major field, and approved 300-level courses may be applied in the supporting field(s). A student of senior, postbaccalaureate or nonmatriculated standing who wishes to register for a 500-level graduate course must obtain permission from the instructor of the class and the departmental chairperson or designated representative.

Graduate courses

Graduate courses numbered 600, 601, 700, 750 and 800 are restricted to students in the Graduate School. They appear by number and title only where applicable under the department course listings in this catalog. Call the sponsoring department for more information.
452A Characteristics of Puget Sound Architecture and Towns (3) I&S
Puget Sound architectural and town environment in terms of its historical development, but specifically including recent and pending changes affecting this environment in significant ways.

460W Design Theory and Analysis (3) VLPA/I&S
Problematical nature of philosophies of architecture; interaction of philosophical concepts and architectural form and expression. Fundamentals of architectural criticism.

478 Architectural CAD Systems (4)
Development, use and limitations of architectural computer-aided design systems in the professional office. Lectures, readings and exercises utilizing the college's CAD system as well as other computers. Prerequisites: 411 and CAUP 270.

498 Special Projects (3-6, max. 12)
A. Introduction to Architectural Design (8)
An introductory course for students considering an architectural studies curriculum, and possibly a career in architecture. The University and Seattle offer an extraordinary site and vital architectural design community. Students will study architecture through first-hand experience with actual sites, buildings and materials. Basic design skills will be developed in an intensive design studio setting. The discipline of architecture will be explored broadly in basic design exercises, lectures and seminars.

B. Introduction to Structural Behavior (4)
Introduces the prospective architecture or construction student to basic structural behavior and concepts. Focuses on identifying and examining structural systems, sub-systems, and components in a conceptual, non-numerical manner. A graphical technique (used by Leonardo da Vinci, Galileo, and others) to analyze and understand forces within a structure will be introduced. Class will consist of lectures, model demonstrations, slides and testing of student-built projects. Students develop a general structural vocabulary and familiarity with the elementary aspects of structural behavior.

U. Introduction to Architectural Photography (5)
Students learn to visually explore architecture and the built environment, acquiring training in film processing and printing in a black and white darkroom. Also includes shooting 3-D models and copy photography, and a survey of computer imaging options. Student must provide own 35mm camera with lens, shutter and aperture controls.

X. Sustainable Building Materials (3)
Architects are increasingly challenged by the demands of environmental considerations in projects. The goal of this class is to develop a framework within which material choices for building projects can be made. The criteria evaluated to choose materials increases as more becomes known about the associated environmental impact. In moving towards a sustainable design paradigm, understanding the interrelated nature of resource conservation, indoor air quality and energy efficiency is a critical step for a designer evaluating new alternative products. The framework to evaluate building materials developed in the first half of this course will be used as part of a student project to be completed in the course's second half.

506 Advanced Architectural Studies (6)
Advanced experimental studies dealing with significant architectural relationships that involve scholarly investigation, development and presentation of results. Majors only.

560 Graduate Seminar in Architectural Theory (3)
Recent developments in architectural theory, urban design theory, criticism and the methodology of criticism.

596 Fieldwork in Professional Practice (*, max. 9)
On-location study under the supervision of a practicing professional involved in an aspect of environmental design. Credit/no credit only. Prerequisite: entry code.

Courses by special arrangement
Undergraduate Research, Independent Study or Research, Master's Thesis

Community and Environmental Planning (CEP)
410 Gould Hall, Box 355740
Telephone: 543-4190

120 Introduction to Community and Environmental Planning
Introduction to central themes of major. Opportunities to engage in community action and planning process, while developing ecological literacy. Lectures, discussions, community service learning, and critical writing exercises combine to increase knowledge and interest in these fields. Emphasis on developing community of learners in and out of classroom setting.

◆ a term: June 22 - July 22  ▲ b term: July 23 - Aug. 21  No symbol: full term June 22 - Aug. 21
See page 8 for key to symbols and abbreviations. Courses listed are subject to revision.
446 CEP Internship (5)
Connects core and individual courses with field work. Group and individual readings develop understanding of how students' internships and field placements constitute particular element of community and environmental planning. Explores how what we do for a living is part of our lives as citizens and public service. Credit/no credit only.

498+ Special Topics (1-9, max. 15) I&S

E. Alaska Field Study (3)
This course continues the report phase of URBDP 498D Alaska Field Study taken Spring Quarter 1998.

F. Field Drawing Preparatory (2)
This course will help students with little or no background to gain a better understanding and skill level in freehand drawing and watercolor or pastel painting. It will be conducted in two, possibly three intensives, four hours each minimum. Students should not expect to be experts at the end of the session.

U. Comparative International History of Environmentalism I (3)
Compared contemporary environmental movements in an international context, exploring the history and meaning of environmentalism as a movement for social change. The focus will be on non-profit community base environmental activism. There are three themes which shape this course. First, the idea of environmentalism as participation. Who participates in environmental politics? The second theme is the relationship between the environmental movement and the history of science. Who are the environmentalists in the scientific community? Third, environmentalism as an international phenomenon. What are the similarities and differences between environmental movements around the world?

498 Special Topics (1-9, max. 15) I&S

A. Environment, Culture and Identity (5)
Explores the themes of environmental crisis, social and cultural responses to eco-crisis, and the emergence of individual "ecological" identities. How an individual's sense of place, nature and self influences personal choices, professional ambitions and political actions are examined. Topics include: environmental justice, deep ecology, ecofeminism, and sustainability. Students will participate in on-site group project work (in Seattle) that relates to local environmental issues and "ecological" identity building.

B. Introduction to CEP Design (5)
Combination of lectures, field trips, and hands-on studio projects to introduce students to landscape design in the context of the varied natural and cultural environments of the Seattle area. Studio projects range from abstract creativity exercises through the analysis of existing landscape designs to the development of design solutions and graphic and verbal presentation techniques. The course is suitable for anyone with an interest in developing their own creativity in the context of landscape architecture and CEP.

498A Special Topics (1-9, max. 15) I&S

V. Comparative International History of Environmentalism II (2)
Term a will be an intensive immersion into environmental activism around the world. During term b, the class will focus on environmentalism in Russia and the former Soviet Union. Students may also use the second term to develop independent projects under the direction of the instructor. The course includes films and videos. The film footage varies from PBS (Public Broadcasting System) to Defense Department; the films are intended to add visual imagery to the perception that environmentalism is both global and historical. Prerequisite: 498U.

Construction Management (CM)
116 Architecture Hall, Box 351610
Telephone: 543-6377

The Department of Construction Management offers a series of basic introductory courses for undergraduates and graduates. The introductory courses emphasize the fundamentals of the processes, practices, materials and techniques related to the construction industry. A Master's Degree in Construction Management is offered through the UW Evening Degree Program. See page 82 for details about the two evening degree courses offered this summer. Please contact the department for additional information.

310 Introduction to the Construction Industry (3)
Introduction to the construction process, including general overview of organization, relationships, practice, terminology, project types, procurement methods, industry standards, contract documents, and career opportunities.

313 Construction Methods and Materials I (4)
Review of basic building materials, with emphasis on techniques for assembly and utilization in residential and lightweight construction, including materials such as concrete, brick and wood. Prerequisite: entry code.

320 Construction Contract Documents (3)
Introduction to working drawings, specifications, and other documents designed to enable the student to read and interpret a complete set of contract documents for residential and light commercial projects. Emphasis on the organization and use of architectural engineering drawings and specifications in the construction process. Prerequisites: ENGR 128 or equivalent, and entry code.

498 Special Topics

A. Construction Graphics
Introduction to graphic communication skills commonly used in the construction industry. Course emphasis will be on freehand sketching, manual drafting, and computer presentations as applied in both the office and the field.

Course by special arrangement
Independent Study

Landscaping Architecture
(L. ARCH)
348 Gould Hall, Box 355734
Telephone: 543-9240

The Department of Landscape Architecture offers a wide range of courses in an attempt to meet the needs and interests of continuing undergraduates, graduates and professionals.

300 Introduction to Landscape Architecture (6) VLPA
Immerse yourself in a creative exploration of the field of landscape architecture. This introductory course uses a variety of lectures, field trips and studio projects to expose students to landscape design in the context of the varied natural and cultural environments of the Seattle area. Studio projects range from abstract creativity exercises through the analysis of existing landscape designs to the development of design solutions and graphic and verbal presentation techniques. The course is suitable for anyone with an interest in developing their own creativity in the context of landscape architecture.

406 Individual Design Studio (6)
Senior projects in landscape architecture vary according to students' particular emphasis and needs. Majors only.

476 Professional Practicum (3-6)
Practicum course for landscape architecture majors, providing internship and exposure to the profession with working experiences at various levels of professional endeavor. Credit/no credit only. Majors only.

See the Time Schedule section, pages 91-137, for class dates and times.
See the Quick Reference Guide to Quarter Deadlines, pages 138-139, for important dates and deadlines.
498 Special Projects
(1-10, max. 30)

A. Sustainable Garden Design: "Living Lightly" in Seattle (6)
This design studio is open to anyone interested in creating a resonance between themselves, their garden spaces and the world. Principles of sustainability, or "living lightly on the land," will be explored and applied to small scale garden designs with the intent that such gardens will foster holistic connections between people and the land. For complete details, see box on this page.

B. Sustainable Design/Build Summer Studio (6)
This interdisciplinary studio is open to students from all departments. Students work with a local community group to design, construct and restore landscape and a number of landscape elements. Topics include alternative building materials and techniques, water conservation strategies, sustainable landscaping methods and plant selection, design expression through community participation, and craftsmanship through material choices. The studio will meet three days per week during a and b terms. Prior experience with construction is helpful, but not required.

C. Design and Graphics Workshop: San Juan Islands (2)
July 7-11 The University's Cedar Rock Biological Reserve is the site for this intensive one-week design and ecological exploration of the landscapes of Shaw Island. Applying the disciplines of graphic representation and ecological investigation to the surrounding landscapes leads to a heightened awareness of the unique landscapes and plant communities of the San Juan Islands. Landscape design exercises and manipulations will help students improve observational and analytical design skills. There will be a mandatory meeting scheduled, date to be announced, before the workshop start date.

D. Ecological Priorities for Design and Planning (3)
Explores what urban designers, landscape and building architects, and planners need to know about emerging ecological concepts. Students will read commentaries by designers and ecologists as a basis for papers and group discussion. Students will also be invited to meet the commentary authors at a national meeting in Washington state in July 1998.

Courses by special arrangement
Undergraduate Research, Independent Study or Research, Graduate Internship, Master's Thesis

Urban Design and Planning (URBDP)
410 Gould Hall, Box 355740
Telephone: 543-4190

The Department of Urban Design and Planning is offering a series of courses emphasizing tools and skills used in the practice of urban design and planning and related activities. Courses are open to undergraduates, graduate and professionals who want to expand their knowledge base and skill level. Short and fast-paced, these courses may be taken in the evening or during a long lunch break.

494 Alaska Field Study (3)
Travel to communities within the Southeast Alaska bioregion for interpretation of natural systems, history, cultures, settlement patterns and current issues of planning and economic development. Meetings with community leaders and planners. Students either select topic for field and documentary research or participate in intensive charrette-type project in one community.

498 Special Topics (1-9, max. 15)
A. Land Use and Water (3)
The objective of this course is to explore the complex relationship between land use and the hydrological cycle. Land use is water dependent and water impacting. The challenge for environmental planning is to balance land use and water use. The appropriate application of analytical methods to the understanding of the hydrological cycles is the framework for considering topics such as the availability of surface and ground waters, competing demands, and quantity/quality relationships. Key regulations and guidelines will be introduced by guest speakers experienced in their fields.

B. Sustainable Site Planning (4)
Sustainability has always been assessed as a key consideration in facilitating good site planning. The development of both a sensitivity to those existing natural and man-made conditions found on a subject site, and an awareness of how those patterns will change over time have been considered fundamental to crafting a successful site plan. The purpose of this course is to provide the first steps towards identifying and developing these skills. A basic introduction to the applicability of principles of sustainability as it applies to site planning is provided. Includes one all-day Saturday field trip.

Sustainable Garden Design: Living Lightly in Seattle

* June 22-July 22
L ARCH 498A; 6 credits

Too often, today's garden spaces do little to promote positive physical, intellectual and spiritual connections between man and the earth. These gardens are not sustainable and do not do they sustain those for whom they are designed. This design studio is open to anyone interested in creating a resonance between themselves, their garden spaces and the world. Previous design experience is not required.

Principles of sustainability, or "living lightly on the land," will be explored and applied to small scale garden designs with the intent that such gardens will foster holistic connections between people and the land.

The studio course is intended for novice designers. The class includes three components:
- Design of participants' gardens (one provided by instructor) using principles of sustainability
- Discussion sessions focused on sustainability, materials and design and
- Site visits/guest lecturers with a focus on built projects that reflect sustainability

* A term: June 22-July 22  A b term: July 23-Aug. 21  No symbol: full term June 22-Aug. 21
See page 8 for key to symbols and abbreviations. Courses listed are subject to revision.
D. Practical Economics and Benefit Cost Techniques for Planners (3)

This course teaches basic economic tools which planners can use on a day-to-day basis. What effect do urban limit lines have on density and settlement patterns? How does freeway peak hour pricing work? How can benefit cost analysis be used to evaluate public investment decisions? How can we determine whether carpool lanes make society better or worse? Can planning actions make some people worse off, and some people better off? These are some of the questions this course will tackle. The course will focus on analytic techniques to answer the above questions. The emphasis will not be on what should be done, but on the implications of various planning actions. The course will be taught with a mixture of case studies and simple, non-mathematical economic techniques. No prior quantitative background is required.

F. History of Urban Design in the U.S.: 1957-97 (3)

This course will trace the evolution of urban design in the United States from the fifties, when the term was first identified in schools of architecture and planning, to the last decade, when new theories have emerged concerning New Urbanism and Edge Cities. The course will include an analysis of the major writings, as well as work built by the most important designers. Urban design will be discussed as a major force in changing the face of American cities. The city will be looked at from the public realm point of view.

498 Special Topics (1-9, max. 15)

E. Sustainable Neighborhood Planning and Development: Implementation Strategies in the Cascade Neighborhood (3)

After years of planning and visioning, what are the options and alternatives for local communities in terms of implementation? How can neighborhoods be more proactive in taking steps toward their identified plans and visions? This seminar will concentrate on implementation strategies, with the Cascade Neighborhood in mind, but with the expectation that many strategies will be applicable in other urban communities. Participants will understand themselves as "consultants" to Cascade, and will carry out applied research toward the design of implementation strategies. Fundable demonstration projects will be designed and expressed as proposals for support from the city, from organizations and foundations, as well as from local resources within the neighborhood.

Courses by special arrangement

Special Projects, Professional Project, Independent Study or Research, Master's Thesis, Doctoral Dissertation

College of Arts and Sciences

The College of Arts and Sciences offers a broad range of courses centered in the humanities, social sciences and natural sciences. Students who plan to graduate from the College are expected to fulfill general education and major requirements. Numerous courses that may be taken to satisfy the general education requirement as well as the "W" (writing) course requirement are offered during Summer Quarter. Special intensive courses are offered in several languages. In addition, courses are available for entering freshmen in all departments that offer major fields of study.

Advanced courses are listed for students who have selected a major and use summer sessions to hasten the time of their graduation. The upper-division courses are changed each year, providing variety to students whose attendance is limited to Summer Quarter.

Teachers will find a variety of courses in foreign languages, English, the natural and social sciences and the fine arts. See page 58 for the Guide to Courses for Educators.

American Ethnic Studies (AES)

B510 Padelford Hall, Box 354380
Telephone: 543-5401

American Ethnic Studies courses are offered in:

- Afro-American Studies
- Asian American Studies
- Chicano Studies

American Ethnic Studies is a multicultural and multiracial research, teaching and service unit dedicated to providing relevant knowledge in the study of ethnicity and ethnic relations. Through the department's three programs, Afro-American, Asian American and Chicano Studies, students study interdisciplinary, ethnic-specific and comparative concepts, theories and methods of inquiry which shape the cultural, social, historical, economic and political character of selected American ethnic communities.

The department plans to offer majors in American Ethnic Studies and in each of the ethnic-specific programs. A major in Afro-American Studies is currently offered. General studies degrees in both Asian American Studies and Chicano Studies are offered.

150+ Introductory History of American Ethnic Groups (5) I&S


322+ Race and Gender: Historical Perspectives (5) I&S

The intersection of race and gender in the lives of women of color in the United States from historical and contemporary perspectives. Topics include racism, sexism, activism, sexuality and interracial dynamics between women of color groups. Offered: jointly with WOMEN 322.

498+ Special Topics in American Ethnic Studies (1-5, max. 15) I&S

A. Asian American Literature (5)

Literature of Hawaii: an idiosyncratic look at the life of the islands as revealed in their literature. Students will explore prose, fiction, history, dramatic work and poetry from the oral tradition to the 1980s, from the native Hawaiian wove through the many diverse ethnic threads that color the warp: Chinese, Japanese, hapa and haole. Written assignments include weekly journals and one substantial term paper.

Course through distance learning

To register for this UW credit course offered through distance learning, see pages 169-182 (registration by STAR is not available):

- AES C489 Ethnicity, Gender and Media (5)

Afro-American Studies (AFRAM)

B514 Padelford Hall, Box 354380
Telephone: 543-5401

Afro-American Studies is an interdisciplinary program which includes courses in a variety of academic disciplines. These courses broaden knowledge of the Black experience and prepare students for careers in various fields.

150+ Afro-American History (5) I&S

Introduction to topics and problems in Afro-American history, with some attention to Africa as well as America. Basic introductory course for sequence of lecture courses and seminars in Afro-American history. Offered jointly with HISTAA 150.

309 Intensive Basic Swahili (15)

First-year Kiswahili language. Introduces students to Kiswahili and allows them to explore and understand not only the language but also the diverse cultures and customs of the people of East Africa. Provides a basic foundation in speaking, reading and writing. Primary emphasis on basic structures of Kiswahili and its operation.

358 Literature of Black Americans (5) VLP A

Selected writings—novels, short stories, plays, poems—by Afro-American writers. The historical and cultural context within which they evolved. Differences between Afro-American writers and writers of the European-American tradition. Emphasis varies. Offered jointly with ENGL 358.

See the Time Schedule section, pages 91-137, for class dates and times.
See the Quick Reference Guide to Quarter Deadlines, pages 138-139, for important dates and deadlines.
Course by special arrangement
Undergraduate Independent Study and Research

**Asian American Studies (AAS)**
B501 Padelford, Box 354380
Telephone: 543-5401

**205** Asian American Cultures (5) I&S
Asian American subcultures; evolution of Asian Americans from 1880 to 1950; immigration patterns, evolution of subcultures, evacuation, interracial relations, assimilation and signs of social disorganization.

**206A** Contemporary Problems of Asian Americans (5) I&S
Recent Asian American issues from 1950 to the present. Topics include ghetto communities, civil rights, identity problems and ethnicity, social organizations, political movements, and recent immigration.

**402A** Contemporary Asian American Literature (5) VLPA
Asian American literature from the 1940s to the present. Emphasis on the development of attitudes and identities in contemporary Asian American Literature, the role of the writer in a minority culture, and the relationship of literature to self and society. Recommended: 401. Meets with ENGL 440A.

Course by special arrangement
Undergraduate Independent Study and Research

**Chicano Studies (CHSTU)**
B510 Padelford Hall, Box 354380
Telephone: 543-5401

**201** Introduction to Chicano Studies (5) I&S
Selected themes in Chicano experience; studies in Chicano politics and Chicano socioeconomic concerns. Not open to students who have taken CHSTU 102.

Undergraduate Independent Study and Research

**American Indian Studies (AIS)**
C514 Padelford, Box 354305
Telephone: 543-9082

**317** North American Indians: Southwest (5) I&S
Overview of history and ethnography of the Southwest with emphasis on Apaches, Pueblos and Pimas/Yumans. Social organization, religion, world view and expressive culture of specific groups such as Navajo, Hopi, Zuni, Tewa and Papago will be stressed.

**350** Two-Dimensional Art of the Northwest Coast Indians (3, max. 9) VLPA
Studio course will emphasize principles of structure and style of two-dimensional art of the Northwest coast, which can be found on many old traditional pieces, such as painted storage boxes and chests, house panels, ceremonial screens, etc. Students apply these principles in creating a variety of graphic projects.

**475** Special Topics in Indian Studies (5) I&S

A. Ethnohistory and Oral Traditions (5)
An introduction to the rich heritage of Native American ethnohistory and oral traditions on the Northwest coast, from the Yurok in northwest California to the Eyak in Alaska. This course will emphasize common regional features on content, style and performance. We will read and listen to a variety of genres, including myths, tales, historical narratives, clan and family histories, personal experience narratives, autobiographies, and oratory. We will also consider such issues as representation, interpretation, ownership and cultural appropriation.

B. American Indian Popular Music (3)
Examines connections between traditional, neotraditional and popular music as played by Native American performers throughout North America in a variety of genres, including jazz, folk, country, blues, new age and film music.

Course by special arrangement
Independent Study

Course through distance learning
To register for this UW credit course offered through distance learning, see pages 168-172 (registration by STAR is not available):

- AIS C311 North American Indians: Pacific Northwest (5)

**Anthropology (ANTH)**
M312 Denny Hall, Box 353100
Telephone: 543-5240

Anthropology courses are offered in:
- Sociocultural Anthropology
- Archaeology
- Biological Anthropology

The Department of Anthropology offers courses at introductory and upper-division levels for both majors and nonmajors, as well as courses for teachers, social workers and others interested in cultural and biological variation.

An archaeological field school (ARCHY 270, 571) will be conducted on the Kodiak Archipelago in the Gulf of Alaska. Instruction will include morning "classes" on archaeological method and theory, the goals of this particular project, and its relation to the archaeology of Kodiak and southeastern Alaska. Field instruction will involve archaeological surveying, map-making, excavation, note-taking and photography. Lab instruction will include cleaning, cataloging, artifact analysis and element computer mapping. Field trips (for survey and sight-seeing) will also be made to other archaeological sites and landmarks within hiking distance from the camp.

All students will participate in all aspects of field research and camp life. Enrollment is strictly limited by facilities. There is an additional fee for food, and students make their own arrangements for transportation to and from the village of Old Harbor, Alaska. Preference is given to applications received before April 15, 1998. For more information and an application, call (206) 543-5240.

= a term: June 22-July 22  b term: July 23-Aug. 21  No symbol: full term June 22-Aug. 21

See page 9 for key to symbols and abbreviations. Courses listed are subject to revision.
100 Introduction to Anthropology (5) I&S
Introduction to the subfields of archaeology, physical anthropology, and sociocultural anthropology through examination of selected problems in human physical, cultural, and social evolution. Not recommended for students who have had other courses in anthropology, archaeology, or physical anthropology. May not be counted toward the 35 credits required for the major in anthropology.

Courses by special arrangement
Master’s Thesis, Doctoral Dissertation

Sociocultural Anthropology (ANTH)
Contemporary Ethnography (ANTH 456YA) and Anthropology of Education (ANTH 467YA) are also offered through the UW Evening Degree Program. See page 82 for details.

203 Introduction to Anthropological Linguistics (5) I&S/VLPA
Linguistic methods and theories used within anthropology. Descriptive and theoretical linguistics compared; historical linguistics and comparative method; sociolinguistics; language and culture; human language and animal communication compared; survey of history of anthropological linguistics in North America. Offered jointly with LING 203. Not open for credit to students who have taken LING 200, 201 or 400.

204 Reading Ethnography (5) I&S
Introduction to the descriptive and analytic literature of cultural anthropology. Extended examination of representative accounts of the lifeways of peoples from selected areas of the world, with an emphasis on methods of observation and analysis.

207 Class and Culture in America (5) I&S
Anthropological view of the contemporary United States, with emphasis on social class. Through ethnographic readings, examines education, work, political economy, “working class” experience and the ideology of the “middle class,” and relations between class and race, gender, ethnicity, language, place, sexuality, and “culture.”

301 Human Nature and Culture (5) I&S
Comparison of various anthropological perspectives on the sources of variation in customs, values and beliefs of human groups, including non-Western peoples and contemporary Americans.

352 Buddhism and Society: The Theravada Buddhist Tradition in South and Southeast Asia (5) I&S
Introduction to the religious tradition of Theravada Buddhism (as practiced in Sri Lanka, Burma, Thailand and Cambodia) and examination of the variations in ethical orientations developed through Theravada Buddhist ideas. Recommended: RELIG 202 or knowledge of one Eastern religious tradition. Offered jointly with RELIG 350.

371 Political Anthropology (3) I&S
Theories of the development of political forms and of the social structural analysis of political organization. Authority, power and concepts of politics and administration.

421 Belief, Ritual and the Structure of Religion (5) I&S
Systematic survey concepts, models and theories that characterize the anthropological study of religion. Consideration of the universal basis of religion and of diverse ways in which religious beliefs are constructed and related to social experience. Prerequisites: 202 or 321, or RELIG 201 and 202.

436 Comparative Family Organization (5) I&S
Function and structure of family developmental processes in band, tribal, peasant, and modern societies. Illustrates inter- and intrasocietal variation and provides data for construction of formal models of process and variation in family systems.

451 Phonology I (4) VLPA/I&S
Speech sounds, mechanism of their production and structuring of sounds in languages; generative view of phonology. Offered jointly with LING 451. Prerequisite: LING 200 or 400, either of which may be taken concurrently, or permission of instructor.

452 Phonology II (4) VLPA/I&S
Speech sounds, mechanism of their production and structuring of sounds in languages; generative view of phonology. Prerequisite: LING 200 or 400, either of which may be taken concurrently, or permission of instructor. Offered jointly with LING 452A.

454 Women, Words, Music and Change (5) VLPA/I&S
Comparative analysis of use of myths, tales, music, and other forms of expressive culture to account for, reinforce, and change women’s status and roles; cross-cultural analysis of planned change and development. Prerequisite: 353 or permission of instructor. Offered jointly with WOMEN 454.

461, 462 Syntax I, II (4, 4) VLPA/I&S
Study of the structural properties of language: introduction to generative transformational syntax. Prerequisite: 200 or 400, or permission of instructor. Offered jointly with LING 461, 462A.

487 Anthropology of Mass Media and Gender (5) I&S
Introduces students to current debates surrounding the relationship between global forms of mass media and cultural constructions of gender. Special emphasis will be placed on the broadcast media such as film and television, both in the United States and throughout the world. Offered jointly with WOMEN 487.

489 Anthropology Practicum (3-9, max. 15)
Faculty-supervised off-campus internship in organizations utilizing anthropological skills in non-academic settings. Establishing educationally valuable individual projects for internships with faculty sponsor. Organizations include museums, social service and other governmental agencies and private nonprofit service agencies.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>304A</td>
<td>New World Archaeology (3) I&amp;S</td>
<td>History of earliest Americans, beginning with crossing of land bridge between Asia and North America and eventual spread over the Americas. Highlights prehistory and best examples of western hemisphere's civilizations. Mexico, Yucatan, Peru, southwestern and eastern United States, Washington.</td>
</tr>
<tr>
<td>351</td>
<td>Quantitative Methods I (3) NW</td>
<td>Applications of mathematical techniques to problems in the sciences and engineering. Introductory survey of ordinary differential equations. Prerequisites: MATH 126.</td>
</tr>
<tr>
<td>352</td>
<td>Quantitative Methods II (3) NW</td>
<td>Development and application of numerical methods and algorithms to problems in the applied sciences and engineering. Applied linear algebra and introduction to numerical methods. Prerequisites: MATH 126 and a programming language.</td>
</tr>
<tr>
<td>353</td>
<td>Quantitative Methods III (3) NW</td>
<td>Applications of mathematical techniques to problems in the sciences and engineering. Emphasis on formulation, solution, and interpretation of results. Introductory survey of partial differential equations. Examples in physical and biological sciences and engineering. Prerequisites: 351 or MATH 307.</td>
</tr>
</tbody>
</table>

**Courses by special arrangement**

**Undergraduate Research, Independent Study or Research**

**Course through distance learning**

To register for this UW credit course offered through distance learning, see pages 168-172 (registration by STAR is not available):

- ANTH C202 Principles of Sociocultural Anthropology (5)

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**Archeology (ARCHY)**

**World Prehistory (5) I&S**

Prehistoric human ancestors from three million years ago; their spread from Africa and Asia into the Americas, survival during ice ages, development of civilizations. Well-known archeological finds (e.g., Olduvai Gorge; Neanderthals; Jericho; Egyptian pyramids; Mexican temples; Mesa Verde; Ozette, Washington). May not be counted toward the 35 credits required for the major in archeology.

**Principles of Archaeology (5) I&S**


**Field Course in Archaeology (12) I&S**

Introduction to field acquisition of archaeological data through survey and excavation. Ongoing field projects; recovery and recording techniques. Prerequisites: application (see introductory paragraph concerning the archeological field school conducted this summer in Kodiak Archipelago, Alaska) and entrance code.

**Old World Prehistory (5) I&S**


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**Biocultural Anthropology (BIO A)**

**Principles of Biocultural Anthropology (5) NW**

Evolution and adaptation of the human species. Evidence from fossil record and living populations of monkeys, apes and humans. Interrelationships between human physical and cultural variation and environment; role of natural selection in shaping our evolutionary past, present and future.

**Introduction to Primates (5) NW**

Origins, major evolutionary trends, and modern taxonomic relationships of the nonhuman primates. Their distribution and habitat in relation to behavioral and morphological adaptations and their status as endangered species. Prerequisite: 201.

**Courses by special arrangement**

**Undergraduate Research, Independent Study or Research, Internship**

**Applied Mathematics (A MATH)**

412 Guggenheim, Box 352420
Telephone: 543-5438

**Beginning Scientific Computing (4) NW**

Hands-on introductory survey of computing tools and techniques. Teaches how to use packaged software tools (Mathlab and Maple) instead of the theory. Prerequisite: MATH 126.

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**Art (ART)**

104 Art Building, Box 353440
Telephone: 543-0646

The School of Art offers courses in art history, ceramic art, design, drawing, fiber arts, metal design, painting, photography, printmaking and sculpture.

Classes may fill early; there is no assurance that a student will be able to register for a given course. Auditing is not permitted in studio courses. Course entry codes are available in the following locations: undergraduate art and art history in 104 Art; graduate art history in 209 Art.

**Drawing (5) VLPA**

Perspective, light and shade, composition.

**Two-Dimensional Design: Structure and Color (5) VLPA**

Exploration of fundamental visual phenomena as defined by relationship and context. Compositional studies that allow for analysis of line, form, mass, tonality and color. Exercises begin with subject interpretation and translation, progress to abstraction, and conclude with a series on variation on a visual theme.

**Three-Dimensional Design Fundamentals (5) VLPA**

Through use of a variety of materials, three-dimensional fundamentals are investigated for formal and conceptual concerns as they apply to the visual arts.
201 Ceramic Handbuilding (5) VLPA
Introduction to handbuilding, kiln firing and glazing processes. Examination of contemporary sculpture in clay. No prerequisites are required.

202 Ceramic Art: Wheel Throwing (5) VLPA
Introduction to wheel throwing, glazing and kiln firing processes. Contemporary vessel form in clay. No prerequisite required.

230 Introductory Photography (5) VLPA
Introduction to the theory, techniques and processes of still photography. Emphasis on both darkroom procedures and camera use. Projects stress the visual and creative potential of the medium. Students must provide camera with lens, shutter and aperture controls. Students will be required to pay an additional fee for materials.

232 Conceptual Art Studio (5) VLPA
Beginning level conceptual art sculpture studio focusing on non-traditional formats, idea oriented approaches to industrial design. Open to students. Some background in design helpful.

245 Concepts in Printmaking (5) VLPA
Introduction to contemporary printing methods such as monotype, monoprint, stencil and photography. Survey of historical and current approaches to the art of printmaking. Recommended: some knowledge of drawing techniques.

247 Intaglio (5) VLPA
Monotype, collage, dry point, etching, engraving, and aquatint. Photographic and hand-drawn methods. Black and white and color work. Historical overview with emphasis on contemporary developments. Prerequisite: foundation courses.

256, 257 Painting (5,5) VLPA
Oil painting. Recommended: drawing skills for 256; 256 for 257.

258 Jewelry Design (5) VLPA
Introduction to jewelry design and construction through techniques of sawing, filing, soldering, forging, and casting in silver, copper, bronze and brass, as well as simple stone setting. Recommended: some background in design concepts.

259 Water-Soluble Media (5, max. 15) VLPA
Focuses on acrylic painting techniques supplemented by use of watercolor and gouache. Projects will focus on experimental use of media and various supports to include paper, canvas and assemblage. Through demonstrations, readings, group discussion and critiques, students will be encouraged to work toward the discovery of a personal vocabulary of visual expression.

265 Intermediate Drawing (5, max. 15) VLPA
Studies from the live model, for students with some background in fine art drawing.

272 Beginning Sculpture Composition (5) VLPA
Fundamentals of sculpture composition in the round and in relief. Students will work in a variety of media, including found object, wood, metal and other non-traditional materials. Recommended: some knowledge of three-dimensional design.

291 Intermediate Painting (5, max. 10) VLPA
Oil painting for the student who has some knowledge of and experience with oil-based paint. Drawing background also helpful.

307 Industrial Design Special Projects (5) VLPA
A hands-on 3-D design studio which will cover a survey of existing products; the fundamentals of design as they apply to designing for children, and how and where this overlaps with designing for adults; educational aspects of interactive exhibits and toys; common myths about what children need and want in toys, furniture and play; the psychology of play and play versus learning.

B. Computer-Aided Industrial Design (5)
This introductory course teaches students how to use the personal computer as a primary tool in the three-dimensional design process. Students learn easy-to-use 3-D and multimedia software programs and apply them to a series of short product design assignments and projects. Emphasis is placed first on rapidly increasing computer literacy, and then on applying it to meaningful design content. The process of design experimentation is encouraged. Course requirements are demanding.

321 Furniture Design (5) VLPA
Design of a furniture piece. Methodologies and construction, types of hardware, special shop techniques, scale modeling and full-scale functional designs.

353 Intermediate Ceramics (5, max. 15) VLPA
Advanced work in forming, decorating and glazing. Background in hand building and throwing required. Prerequisite: permission of adviser.

372 Intermediate Color Photography (5) VLPA
The color printing darkroom is equipped with a fully automatic processor.
Students learn to use this facility to complete a wide range of assignments from representational color to manipulated and extended color investigations. Some digital image applications are also covered in the course.

413 Digital Imaging I (5) VLPA
Projects in photographic documentation involving either large or small format photography. Technical, conceptual and historical considerations in documentary photography. Prerequisites: 370, 372 and permission of adviser.

Courses by special arrangement

Art History (ART H)
Topics in Art History: The Art of India (ART H 309YA) and The History of Photography (ART H 309YB) are offered through the Evening Degree Program. See page 82 for details.

202 Survey of Western Art—Medieval and Renaissance (5) VLPA
Explores the arts of the Byzantine empire, Islam and Western Christendom, 300 AD through 1520 AD. Focuses on major developments in sculpture, painting and architecture, including the exploration of Rome, Ravenna, Constantinople, Venice, the Celtic world, the Carolingian Empire, Romansque and Gothic cathedral building, and the birth and development of the Renaissance in Italy and Northern Europe.

309 Topics in Art History (5, max. 15) VLPA
A. Post-Impressionism: Seurat, Cezanne, Van Gogh, and Gauguin (5)
Examines the work of four major post-impressionist painters, in light of changing perceptions of the role of color, modern psychology, modes of production, the avant-garde, and the "primitive." Narrowly defined, the term post-impressionism refers to a handful of painters whose work developed out of impressionism. Broadly defined, it signals the work of painters who found themselves amidst a larger "crisis in representation" in the philosophy, art, sciences and politics of the 1880s and 1890s that is inseparable from the shape of our modernity today.

B. Greek Art and Archaeology (5)
A survey of the history of Greek art, focused on the following periods: Cycladic, Minoan, Mycenaean, Geometric, Archaic, Classical, Hellenistic, Roman, Byzantine, post-Byzantine, 19th and 20th centuries. This course is for those interested in Greece, its art, archaeology, culture, and history.

C. The Arts of the Maya: Past and Present (5)
Explores the artistry of the Maya, heirs to an ancient civilization regarded by scholars as the most sophisticated of pre-Columbian New World cultures. For complete details, see box on facing page.

311 Chinese Painting (5) VLPA/I&S
An introduction to the role of painting in Chinese cultural history, with attention to regional geography, social structure, gender, traditional philosophies, 20th century socialism, and the patterns of Chinese history. The course examines both landscape and figure painting with particular attention to the influences of royal patronage, Confucianism, Taoism, Buddhism and socialism.

337 African Art and Society (5) VLPA/I&S
Explores the ideas and notions expressed visually in sculpture, painting, ceramics, textiles, and architecture, and describes their relationships to man and culture in Africa. Beginning with the earliest human artifact, a hand-axe from Olduvai Gorge in Tanzania made 1.6 million years ago, it touches upon the major art forms of Africa, concluding with an expanded overview of the art made in this century. These new forms are particularly exciting and poignant and reflect the constantly shifting notions of personal, ethnic, religious identity that have occurred in colonial and post-colonial Africa.

380 Nineteenth and Twentieth Century Art (5) VLPA
Arts and architecture of Europe and America from Romanticism to the present. Offers not only an overview of the major periods and movements, styles and trends of the Western art of the last two centuries, but also attempts to generate discussion about critical issues which currently preoccupy the discipline of art history; these include, among others, the self-conscious reflection on the different methods available in approaching art, issues of gender, the legacy of Romanticism, and the role of genre and medium.

482/499 Realism and Impressionism (3) VLPA
Art and the world from 1830-1880: High Romanticism through Realism and Impressionism, with emphasis on painting in France. Painters to be discussed include Corbet, Manet, Morisot, Renoir, Degas, Monet and Cassatt. The work of these artists will be examined in the context of contemporary cultural and literary issues.

492 Alternative Art Forms Since 1960 (5) VLPA
Survey of "post studio" art developed 1960-1990 by artists who did/do not equate visual art with making aesthetic objects. Topics include happenings, Fluxus, land projects, body art, artists videos, artists books, performance site work, art made for distribution on the World Wide Web. Artists considered in some detail include Allan Kaprow, Nam June Park, Vito Acconci, Robert Smithson, Laurie Anderson, Bruce Nauman, John Baldessari, Christo, Javacheff, Adrian Piper.

Courses by special arrangement
Individual Projects, Independent Study or Research, Undergraduate Practicum, Master's Practicum and Thesis, Doctoral Dissertation

Asian Languages and Literature (ASIAN)
225 Gowan Hall, Box 353521
Telephone: 543-4996
Asian Languages and Literature courses are offered in:
• Chinese
• Hindi
• Indian
• Japanese
• Korean

Intensive language courses in Bengali, Chinese, Japanese, Hindi and Korean are offered in concentrated scheduling that enables students to complete up to 15 credits of a foreign language during Summer Quarter.

Also see Office of International Programs and Exchanges, page 81, for information on the Chinese Language Program at Peking University.

211 Languages and Culture of China (5) VLPA/I&S
Provides a general survey of the languages and language-families in China, emphasizing the rich linguistic diversity found there today. These languages will be compared with English, from linguistic and cultural perspectives, to demonstrate not only their characteristics, but also their mutual dependence throughout their development.

263 Great Works of Asian Literature (5) VLPA
Surveys the great works of Japanese prose, poetry and drama from the early classics of the eighth century through the post-war works of the modern era. Readings will include selections from the imperial poetry collections, the Tale of Genji, women's diaries, Tale of the Heike, plays by Chikamatsu Monzaemon, Tales of Rain and Moon, and the fiction of such modern writers as Natsume Soseki and Tanizaki Junichiro. Attention will be paid to both the literary and historical qualities of the texts, and the relationship between these literary forms and their representations in art and film. This course is taught on a rotational basis with the literary traditions of China, Japan, and India covered in successive years.

* a term: June 22-July 22  ▲ b term: July 23-Aug. 21 No symbol: full term June 22-Aug. 21
See page 8 for key to symbols and abbreviations. Courses listed are subject to revision.
INTENSIVE LANGUAGE PROGRAMS

Earn up to a year’s worth of language credit in nine weeks

The University of Washington offers one of the nation’s largest summer intensive language programs. Students in this program may earn up to a year’s worth of language credit in nine weeks. Intensive summer language courses are offered in the following languages:

- Arabic
- Bengali (Indian)
- Chinese
- Czech
- Dutch
- French
- German
- Greek
- Hebrew
- Hindi
- Italian
- Japanese
- Korean
- Latin
- Norwegian
- Persian
- Portuguese
- Russian
- Spanish
- Swahili
- Swedish
- Dutch
- Uzbek

404 Writing Systems (5) VLPA
The course will cover the origin and historical development of writing worldwide, and will focus on the formal structure of writing systems (alphabets, syllabaries and logographic scripts) as well as the linguistic and social aspects of writing, both past and present. Attention will also be given to the history and methods of decipherment of unknown scripts.

Chinese (CHIN)
134 First-Year Intensive Chinese (15)
Equivalent of 111, 112, 113. Introduction to the standard language: correct pronunciation and basic structure; drill in oral use of the language. Especially recommended for students who plan to devote more time to other subjects during the regular academic year. No credit if 111, 112, 113 taken.

234 Second-Year Intensive Chinese (15) VLPA
Equivalent of 211, 212, 213. Rapid learning of characters and reading of texts. Practice in conversational Chinese. Prerequisite: 113 or 134, or equivalent. No credit if 211, 212, 213 taken.

Course by special arrangement
Undergraduate Research

Hindi (HINDI)
321, 322, 323 Intermediate Hindi (5, 5, 5) VLPA

Course by special arrangement
Undergraduate Research

Indian (INDN)
411 First-Year Intensive Bengali (15)
Modern standard Bengali. Reading, writing and conversation. Introduction to Bengali script.

Japanese (JAPAN)
134 First-Year Intensive Japanese (15)

234 Second-Year Intensive Japanese (15) VLPA
Equivalent of 211, 212, 213. Development of further functional communicative skills in the spoken and written languages. Satisfies requirements for entry to 311, but is recommended primarily for those who will be going to Japan shortly upon completion. Prerequisite: 113 or placement by examination.

Course by special arrangement
Undergraduate Research

Korean (KOR)
301, 302, 303 Introduction to Korean (5, 5, 5)
Fundamentals of the Korean language. Emphasis on Korean alphabet and spelling, pronunciation and basic grammar. Concurrent registration in 301, 302 and 303 required. Prerequisite: entry code.

Astronomy (ASTR)
C319 Physics/Astronomy Building, Box 351580
Telephone: 543-2888

101 Astronomy (5) NW, QSR
Introduction to the universe, with emphasis on conceptual, as contrasted with mathematical, comprehension. Modern theories, observations; ideas concerning nature, evolution of galaxies, quasars; stars; black holes; planets; solar system. No credit for students who have taken 102 or 201; not open to upper division majors in physical sciences or engineering.

201 The Universe and the Origin of Life (5) NW, QSR
Sequel to 101 or 102, emphasizing modern views of the atomic and molecular evolution of the universe from the initial "big bang" through the formation of the solar system and the emergence of biologic forms on the earth. The latter part of the course considers questions about the existence of, and communication with, extraterrestrial intelligent life, and finally the ultimate fate of the cosmos. Prerequisite: 101 or 102, or PHYS 110, 114 or 121.

481 Introduction to Astronomical Observations (5) NW
Theory and practice of obtaining optical data at a telescope. Preparation, obtaining data with a CCD on a telescope and subsequent data analysis for completion of a research project. Prerequisite: 480.
Course through distance learning
To register for this UW credit course offered through distance learning, see pages 168-172 (registration by STAR is not available):
- ASTR C150 The Planets (5)

Courses by special arrangement
Undergraduate Research, Independent Study or Research, Doctoral Dissertation

Atmospheric Sciences (ATM S)
408 Atmospheric Sciences-Geophysics Building, Box 351640
Telephone: 543-4250

101 Weather (5) NW
The earth’s atmosphere, with emphasis on weather observations and forecasting. Daily weather map discussions. Highs, lows, fronts, clouds, storms, jet streams, air pollution and other features of the atmosphere. Physical processes involved with weather phenomena. Intended for nonmajors.

Course through distance learning
To register for this UW credit course offered through distance learning, see pages 168-172 (registration by STAR is not available):
- ATM S C101 Weather (5)

Course by special arrangement
Independent Study or Research, Master’s Thesis, Doctoral Dissertation

Biology (BIOL)
318 Hitchcock Hall, Box 355320
Telephone: 543-9120

For additional courses in biology and closely related fields of study, also see the following departments of the College of Arts and Sciences: anthropology, botany, genetics, psychology and zoology; the Colleges of Forest Resources, Ocean and Fisheries Sciences and Pharmacy; and the Schools of Medicine, Nursing and Public Health and Community Medicine.

100 Introductory Biology (5) NW
Biological principles and concepts and the application of biological knowledge to problems of human beings and society. Development of an awareness of science. For nonscience majors only.

201, 202, 203 Introductory Biology (5, 5, 5) NW
Introduction to biology for students intending to take advanced courses and preprofessional programs. Emphasis on features common to all living things: molecular phenomena, cell structure, metabolism, energetics, genetic basis of inheritance in 201; animal physiology and development in 202; plant structure and function, general ecology and evolution in 203. Prerequisites: CHEM 140, 150, 160; 201 for 202; 202 for 203.

401 Cell Biology (5) NW
Selected topics in molecular cell biology. Strong emphasis on understanding original experiments that describe the functions of the cell. Prerequisite: either BIOL 202, 355, or GENET 371; either CHEM 221, 224, 239 or 337; either BIOL 355, GENET 372, ZOOL 401, 485, BIOL 405 or 440.

472 Principles of Ecology (5) NW
Population biology, interactions between species in biological communities, relationship of community to environment, physiological ecology, principles of natural selection. Prerequisites: BIOL 102 or 203.

Botany (BOT)
430 Hitchcock Hall, Box 355325
Telephone: 543-1942

Introductory and advanced courses are offered for majors and nonmajors, in-service teachers, and students new to the Northwest. Opportunities for research and graduate instruction in marine biology are offered at the Friday Harbor Laboratories in the San Juan Islands. Applications of qualified undergraduate students will be considered for enrollment in the graduate courses. For information and a bulletin, write: Director, Friday Harbor Laboratories, 620 University Road, Friday Harbor, WA 98250, or call (206) 543-1484.

113 Plant Identification and Classification (5) NW
Plant classification and diversity of seed plants; field study and laboratory identification of the common plant families and the conspicuous flora of western and central Washington. Two full-day field trips.

222 Natural History of Puget Sound Country (3) NW
The Puget basin’s physical setting—its geology and climate—are melded in ecological terms with the plant and animal life of terrestrial and aquatic environments. The impacts of Indian and European cultures on the natural history of the basin are explored in depth. Two field trips. No prerequisites.

331 Landscape Plant Recognition (3) NW
Field recognition of important groups of woody and herbaceous landscape plants, emphasizing diversity at the genus and family levels. Cultivated plant nomenclature. Plant descriptive characters evident in the field with eye and hand lens. Hardiness and landscape applications. Recommended: 113. Offered jointly with UHF 331.

458 Alpine Plant Ecology (5) NW
Structure of plant communities in alpine regions of the Pacific Northwest. Characteristics of physical environment which influence species adaptation and distribution. Influence and impact of humans and criteria for preservation and/or management of alpine areas. Three weekend field trips required. By permission of instructor only. Recommended: 10 credits in biological sciences.

462 Mushrooms and Related Fungi (5) NW
Covers the taxonomy and biology of mushrooms and related fungi, including their structure, function, and ecology. Opportunities abound for collecting and identifying locally occurring species, and learning about edible and poisonous ones. Prerequisite: introductory course in biology or mycology or permission of instructor.

496 Peer Teaching Assistantships in Botany (1-5)
Direct experience in the classroom, typically teaching a lab section of an undergraduate course. Peer TA’s attend lectures and weekly preparation meetings and gain in-depth background in the subject material as well as training in teaching techniques and approaches. Prerequisite: permission of instructor.

511 Scanning Electron Microscopy and Energy Dispersive Spectroscopy (2/3)
Principles and practice of scanning electron microscopy and energy dispersive spectroscopy applied to biological and non-biological materials. Includes sample preparation, critical point drying, sputter coating, SEM alignment and performance maximization, x-ray microanalysis, x-ray dot maps, and quantitative x-ray microanalysis. Prerequisite: permission of instructor.

545 Marine Phycology (9)
Morphology, life histories, systematics and ecology of marine algae, with emphasis on the local flora. Prerequisite: 10 credits of biological sciences or permission of Director of Friday Harbor Laboratories. Offered at Friday Harbor.

Courses by special arrangement
Independent Study or Research, Master’s Thesis, Doctoral Dissertation
The Department of Chemistry offers many courses for nonmajors and students seeking Bachelor of Arts or Bachelor of Science degrees. Courses are also available for chemistry minors. In addition to research or thesis work, graduate students may register for seminars that include special lectures by distinguished visiting faculty.

**120 Introduction to General Chemistry (5) NW, QSR**
One quarter introduction to chemistry with laboratory for students with little or no chemistry background. Atoms and molecules and their chemical changes, including the impact of chemistry on everyday life. Can stand alone or be followed by 142, or 220. Prerequisite: high school algebra or equivalent.

**142 General Chemistry (5) NW, QSR**
For science and engineering majors. Atomic nature of matter, stoichiometry, periodic table, quantum concepts, gas laws. Includes laboratory. Prerequisites: high school algebra and chemistry or 120 and MATH 111 or 120; recommended: high school physics and concurrent registration in MATH 124. Also offered through distance learning; see pages 168-172 for details.

**152 General Chemistry (5) NW**
Chemical bonding and structure, elementary organic and polymer chemistry, inorganic Lewis acids and basis. Includes laboratory. Prerequisites: 142 or 145. Also offered through distance learning; see pages 168-172 for details.

**162 General Chemistry (6) NW**
Introduction to chemical thermodynamics (first and second laws), equilibrium, electrochemistry and kinetics. Includes laboratory. Prerequisites: 152.

**220 Introduction to Organic and Biochemistry (5) NW**
Structure and properties of organic compounds: hydrocarbons, alcohols, aldehydes, ketones, carboxylic acids, carbohydrates, lipids, and proteins. Includes laboratory. Prerequisites: 120 or advanced placement in chemistry.

**224 Organic Chemistry—Short Program (4) NW**
Continuation of the abbreviated coverage of the main functional group classes of organic compounds. Short introduction to biomolecules (lipids, carbohydrates, amino acids, proteins and nucleic acids). Students may enroll in 241A (b term) laboratory only. Prerequisite: 223.

**237 Organic Chemistry (4) NW**
First course for students planning to take three quarters of organic chemistry. Structure, nomenclature, reactions and synthesis of the main types of organic compounds. Prerequisite: 155 or 162. No organic laboratory accompanies this course.

**241, 241A Organic Chemistry Laboratory (3) NW**
Introduction to organic laboratory techniques. Preparation of representative compounds. Designed to be taken with 224 or 238. 241A reserved for students in 223/224. Prerequisites: 155 or 162 and 223 or 237.

**242 Organic Chemistry Laboratory (3) NW**
Preparations and qualitative organic analysis. Designed to be taken with 239. Prerequisites: 224 or 238 and 241.

**299W Special Problems and Report Writing (1-6)**
Research in chemistry and/or chemical literature. Requires writing a scientific report. Prerequisites: grade-point average above 3.00 in chemistry and permission of chemistry adviser. Credit/no credit only.

**321 Quantitative Analysis (5) NW**
Introduction to chemical analysis, including gravimetric, volumetric, spectrophotometric and potentiometric analyses. Laboratory computer use included. Prerequisites: 155 or 162.

**455 Physical Chemistry (3) NW**
Introduction to quantum chemistry and spectroscopy. Theory of quantum mechanics presented at an elementary level and applied to the electronic structure of molecules and to molecular spectra. Prerequisites: 155 or 162, MATH 126 (308 recommended), and college physics.

**456 Physical Chemistry (3) NW**
Chemical thermodynamics. Laws of thermodynamics presented with applications to phase equilibria, chemical equilibria and solutions. Prerequisites: 155 or 162, MATH 126 (307 and 308 recommended), and college physics. May be taken without 455.

**461 Physical Chemistry Laboratory (2-3) NW**
Physical measurements in chemistry. Vacuum techniques, calorimetry, spectroscopic methods, electrical measurements. Prerequisites: 162 or a higher-level laboratory; 455; 452; or 457; entry code required, applications Bagley 109.

**510+ Current Problems in Inorganic Chemistry (1-3, max. 12)**
Primarily for doctoral candidates in inorganic chemistry. Current topics (e.g., bioinorganic, advanced organometallic, materials and solid state, advanced inorganic spectroscopy). Call or visit department for instructor and topics.

**520+ Current Problems in Analytical Chemistry (1-3, max. 12)**
Primarily for doctoral candidates in analytical chemistry. Current topics (e.g., flow injection analysis, mass spectrometry, and advanced radio-

See the Time Schedule section, pages 91-137, for class dates and times. See the Quick Reference Guide to Quarter Deadlines, pages 138-139, for important dates and deadlines.
chemistry). Call or visit department for instructor and topics.

540A Current Problems in Organic Chemistry (1-3, max. 12)
Primarily for doctoral candidates in organic chemistry. Discussions of topics of current interest and importance. Call or visit department for instructor and topic.

560A Current Problems in Physical Chemistry (1-3, max. 12)
Primarily for doctoral candidates in physical chemistry. A discussion of topics selected from active research fields. Call or visit department for instructor and the topic.

590 Seminar in General Chemistry (1, max. 18)
591 Seminar in Inorganic Chemistry (1, max. 18)
592 Seminar in Analytical Chemistry (1, max. 18)
593 Seminar in Organic Chemistry (1, max. 18)
595 Seminar in Physical Chemistry (1, max. 18)

Courses by special arrangement
Undergraduate Research and Report Writing, Independent Study or Research, Master’s Thesis, Doctoral Dissertation

Courses through distance learning
To register for these UW credit courses offered through distance learning, see pages 168-172 (registration by STAR is not available):

• CHEM C115 Chemistry for Life (5)
• CHEM C142 General Chemistry (5)
• CHEM C152 General Chemistry (5)

Classics Courses in English (CLAS)

101 Latin and Greek in Current Use (2) VLPA
Designed to improve and increase English vocabulary through a study of the Latin and Greek elements in English, with emphasis on words in current literary and scientific use. Knowledge of Latin or Greek is not required. No auditors. Credit/no credit only.

205 Biocultural Vocabulary Building from Latin and Greek (3) VLPA
Designed to help students master the scientific vocabulary of particular fields by a study of the Latin and Greek roots that are used to create the majority of scientific terms. Recommended for nursing and premedical students and science majors. Knowledge of Latin or Greek is not required. No auditors. Credit/no credit only.

424 Epic Tradition (5) VLPA
Ancient and medieval epic and heroic poetry of Europe in English: the Iliad, Odyssey and Aeneid; the Roland or a comparable work from the medieval oral tradition; pre-Greek forerunners, other Greco-Roman literary epics, and later medieval and Renaissance developments and adaptations of the genre. Choice of reading material varies according to instructor’s preference. Offered jointly with CLIT 424.

427A Greek and Roman Tragedy in English (5) VLPA
Study of the development of Greek and Roman tragedy with extensive readings in representative plays of Aeschylus, Sophocles, Euripides and Seneca.

463 Hellenistic Greek Literature: Koine Texts: Septuagint and New Testament (3-5, max. 15) VLPA
This summer five credits are being offered. Prerequisite: 307 or permission.

Courses by special arrangement
Supervised Study, Independent Study or Research

Latin (LAT)

101 102A Elementary Latin (5,5)
Intensive study of grammar, with reading and writing of simple Latin prose. No auditors. Prerequisite: 101 for 102.

463 Latin Literature of the Empire: Readings in Augustine (3-5, max. 15) VLPA
This summer five credits are being offered. Prerequisite: 307 or permission.

520 Seminar: Tacitus” Histories (5, max. 45)
Prerequisite: entry code (Denny 218).

Courses by special arrangement
Supervised Study, Independent Study or Research

Classics (CLAS)

Courses by special arrangement
Master’s Thesis, Doctoral Dissertation

Communications (CMU)

118 Communications Building, Box 353740
Telephone: 543-8860

This summer’s curriculum includes courses in advertising, broadcast journalism and photography, and 400-level courses open to both undergraduate and graduate students. General courses cover the history and development of communication and journalism, the process of communicating, and mass communication and society.

200A Introduction to Mass Communication (5) I&S
Examines the role mass communication systems play in our society, including their history, structure, processes and effects. Strong emphasis on major issues in the media today, such as violence, stereotype of images, political campaigns and other ethical issues.

* a term: June 22-July 22  △ b term: July 23-Aug. 21  No symbol: full term June 22-Aug. 21
See page 8 for key to symbols and abbreviations. Courses listed are subject to revision.
320+ Global Communication (5) I&S
Introduction to the history, purpose, channels, content, technologies, policy and regulation of international communications systems. Issues covered include disparities in media development between post-industrial and developing nations, imbalances in international news and information flow, and the emergence of global communications.

340+ History of Mass Communication (5) I&S
History and development of communication from prehistoric times; rise of mass media; political and economic context of newspapers, radio, film and television. Also offered through distance learning; see pages 168-172 for details.

341+ The Press and Politics in the United States (5) I&S
Journalists' role in elections and public policy. Relationship between news coverage and political campaigns. Study and analysis of local political newswriting, reporting, and response by local and state political figures. Extensive off-campus experience included. Offered jointly with POLS 304. Also offered through distance learning; see pages 168-172 for details.

343 Effects of Mass Communications (5) I&S
Effects of mass communication on individuals and society. Relevant theories applied to research evidence, addressing such topics as effects of stereotypes, violent and sexual imagery, and persuasive messages on our knowledge, attitudes and behaviors.

360 Beginning Newswriting and Reporting (4) I&S
Introduction to newswriting and reporting for print media. Focus on defining news, general writing skills, constructing leads, preparing a variety of basic journalism news stories, interviewing techniques, covering beats, and journalistic style. Prerequisite: communications major or permission of instructor.

362 News Laboratory (8) I&S
Newswriting skills course. Students gain real-world experience by producing news feature stories for client papers in the Puget Sound region. Involves considerable one-on-one work with the lecturer/editor. Requires writing and reporting skills.

401A Telecommunication Policy and Convergent Media (5) I&S
Examines contemporary media and telecommunications industries since 1980, and their accelerating convergence. Attention given to economic, policy and mass use issues. Review of major industry leaders, promising technologies and new legislation covered for both North American and international markets.

418 Issues in Mass Communication (5, max. 10) I&S
B. Communications Professionals in American and Canadian Film (5)
Films portray media professionals in varying ways, affecting the impressions that moviegoers have of such professions as reporter, broadcaster, and editor. In this class, students will view several films from the U.S. and Canada and will analyze similarities or differences in these portrayals. Meets with SISCA 490B.

440 Mass Media Law (5) I&S
Survey of the laws and regulations that affect the print and broadcast media. Includes material on the First Amendment, libel, invasion of privacy, freedom of information, copyright, obscenity, advertising and broadcasting regulation, and matters relating to press coverage of the judicial system. Also offered through distance learning; see pages 168-172 for details.

444 Public Relations and Society (5) I&S
Overview of issues, strategies and role of public relations professionals in various areas of American society, including media relations, community affairs and consumer relations.

448 Advertising Process and Effects (5) I&S
Examines the history, structure, operations and impacts of advertising in self-service marketplace economies.

460 Special Reporting Topics (5) I&S
Explores the relationship between journalism and fiction writing in the United States. Examines writers who began their careers as journalists and forged a fiction-writing philosophy related to what they learned in journalism. Readings in fiction and journalism.

468 Journalism Ethics (5) I&S
Provides a method and substantive context based on ethical theory, media history, and value systems analysis for analyzing and resolving dilemmas raised by journalistic practices.

498 Problems in Communications (1-5, max. 10)
Research and individual study. Prerequisite: permission of instructor.

Courses through distance learning
To register for these UW credit courses offered through distance learning, see pages 168-172 (registration by STAR is not available):
- CMU C340 History of Mass Communications (5)
- CMU C341 Government and Mass Communications (5)
- CMU C440 Mass Media Law (5)
- CMU C489 Ethnicity, Gender and Media (5)

Comparative History of Ideas (CHID)
B102D Padelford, Box 354300
Telephone: 543-7333

207 Introduction to Intellectual History (5) I&S
Ideas in historical context. Comparative and developmental analysis of Western conceptions of "community," from Plato to Freud. Offered jointly with HIST 207.

390 Colloquium in the History of Ideas: The Interpretation of Texts and Cultures (5) I&S
Basic theoretical issues in the comparative history of ideas as a disciplined mode of inquiry; examination of representative historical figures and problems. Primarily for majors; open to nonmajors by permission of program adviser.

Courses by special arrangement
Senior Thesis, Independent Study or Research

Course through distance learning
To register for this UW credit course offered through distance learning, see pages 168-172 (registration by STAR is not available):
- CHID C110 The Question of Human Nature (5)

Comparative Literature (C LIT)
B531 Padelford Hall, Box 354338
Telephone: 543-7542

The comparative study of literature is not restricted to any one culture or language. Typical areas of inquiry include literary traditions and periods, genres and motifs; patterns of influence and reception of literary works among various national cultures; and the general principles of theory of literature criticism. Readings are in English, and courses are open to both majors and nonmajors. Detailed course descriptions are available in the Comparative Literature office.
230* Introduction to Folklore Studies (5) VLPA/I&S
Comprehensive overview of the field of folkloristics, focusing on verbal genres, customs, belief and material culture. Particular attention to the issues of community, identity and ethnicity. Offered jointly with SCAND 230.

240 Writing in Comparative Literature (5) C
Comparative approach to literature and a workshop in writing comparative papers in English. Emphasis on cross-cultural comparison of literary works. Readings in English, with an option to read selected texts in the original languages. This course meets the UW English Composition undergraduate general education requirement.

272W Perspectives on Film: Genre (5) VLPA
Introduction to study of film genre. Literary, mythic and historic aspects of film genre. The focus this quarter is “film noir,” the dark, unhappy films which first appeared in the late '40s, after World War II, and soon became a popular genre. We will discuss the classic films that define the genre, then go on to explore the ways in which the genre is later broadened and strengthened. Films to be shown: The Maltese Falcon, Double Indemnity, The Third Man, Sunset Boulevard, Raging Bull,The Conversation, The Deerhunter, The Grifters and The Usual Suspects.

320 European Literature (5, max. 15) VLPA
Examination of the development of European literature within the context of a specific genre or period. Texts selected from multiple national literatures, with specific attention to the connections among these traditions.

357 Literature and Film (5, max. 10) VLPA
The film as an art form, with particular reference to the literary dimension of film and to the interaction of literature with the other artistic media employed in the form. Films are shown as an integral part of the course.

424* The Epic Tradition (5) VLPA
Ancient and medieval epic and heroic poetry of Europe in English: the Iliad, Odyssey and Aeneid: the Roland or a comparable work from the medieval oral tradition: pre-Greek forerunners, other Greco-Roman literary epics, and later medieval and Renaissance developments and adaptations of the genre. Choice of reading material varies. Literary background recommended. Offered jointly with CLAS 424.

Courses by special arrangement

Courses through distance learning
To register for this UW credit course offered through distance learning, see pages 168-172 (registration by STAR is not available):
- C LIT C211 Literature and Culture (5)
- C LIT C375 Images of Women in Literature (5)

Dance (DANCE)
261 Meany Hall, Box 351150
Telephone: 543-9483
101 Introduction to Dance (5, max. 10) VLPA
Introduction to dance as an art form. Lectures in dance appreciation. Studio experience in ballet and modern techniques.

112* Jazz Technique I (2, max. 4) VLPA
Introduction to jazz technique. No prerequisites.

201* Ballet Technique II (*, max. 8) VLPA

Course by special arrangement
Independent Study or Research

Drama (DRAMA)
101 Hutchison Hall, Box 353950
Telephone: 543-5140
email: uwdrama@u.washington.edu

101 Introduction to the Theatre (5) VLPA
The theatre as an art form, with emphasis on the play in production. The role of the various theatre artists: actors, designers and playwrights. For nonmajors.

201 Dramatic Action (5) VLPA
Play structure through analysis of plays in all genres, with special attention to plotting and the various means used to achieve a unity of action as the basis of all drama.

211* Theatre Technical Practices (4) VLPA
Costume. Intensive lecture-laboratory in basic theories, techniques and equipment of the stage.

259* Performance Practice (2-6, max. 12) VLPA
A. Intensive Introduction to the Alexander Technique (4)
August 10-21 This class is an introduction to the Alexander Technique, emphasizing its practical application to drama and/or any activity. Frank Pierce Jones says, the Alexander Technique "teaches you how to bring more practical intelligence into what you are already doing; how to eliminate stereotyped responses; how to deal with habit and change." Students access greater physical and vocal coordination as well as learn to "think in activity." (This course is of particular interest to students of drama, music, dance, education and psychology, and is useful to anyone who moves.)

302W Play Analysis (5) VLPA
Analyses of plays, based on leading critical traditions. Illustrates variety of approaches to a play, criteria for choosing best approach for a given play, and ways in which criticism aids in understanding dramatic effect, for both reader and practitioner. Prerequisite: some theatre background.

316* Theatrical Makeup (2) VLPA
Basic principles, with intensive practice in application of makeup for use on prosenium and arena stages. Students will be asked to purchase supplies for use in the class.

371 Theatre and Society (5) VLPA/I&S
Introduction to the history of the theatre from the Greeks to the present day. Development of the theatre as a social institution. Reading of major texts from each period. Prerequisite: 302.

417* Stage Costume Patternmaking and Construction (5, max. 6) VLPA
Techniques of costume construction, including study of fabrics; emphasis on creating patterns by draping. Prerequisites: 211, 416 or permission of instructor.

454* Projects in Acting (3, max. 9) VLPA
A. Intensive Acting in Verse (3)
How does one approach a verse text? What are the strategies for making sense of such a script? Are techniques appropriate for all texts? The class is designed to teach actors how to look at a verse text, make sense of it, and perform it fully. Material will be Shakespearean sonnets and monologues.

460* Introduction to Directing (3) VLPA
Student is introduced to the art of the stage director.

461* Elementary Directing (3) VLPA
Elementary study of the art of the stage director.

473* Modern European Theatre and Drama (5) VLPA
Major forces shaping modern European theatre. Leading dramatists, directors and designers of the post-World War II era. Prerequisite: 302.
490 Special Studies in Acting—Directing (1-6) VLPA

B. The Actor Presents (4)
How does an actor enter an audition, achieve aplomb, present him or herself as a person and an actor as well as a character? Is a monologue really a dialogue? Is singing a song easily to strangers possible for anyone? You can find out for yourself by presenting yourself, presenting a poem, a monologue, a song, a joke and more in this practical and liberating class. Offered only once a year.

C. Acting in Verse—Scene Study (3)
A continuation of 454, Intensive Acting in Verse. Prerequisite: instructor permission.

Courses by special arrangement
Undergraduate Research, Independent Study or Research, Internship, Doctoral Dissertation

Economics (ECON)
302 Savery Hall, Box 353330
Telephone: 543-5955

200 Introduction to Microeconomics (5) I&S, QSR
Analysis of markets: consumer demand, production, exchange, the price system, resource allocation, government intervention.

201 Introduction to Macroeconomics (5) I&S, QSR
Analysis of the aggregate economy: national income, inflation, business fluctuations, unemployment, monetary system, federal budget, international trade and finance. Prerequisite: 200.

300 Intermediate Microeconomics (5) I&S
Analysis of decisions by individuals and firms and of outcomes in factor and product markets. Prerequisites: 200 and MATH 112 or 124 or equivalent.

301 Intermediate Macroeconomics (5) I&S
Analysis of determinants of the aggregate level of employment, output, prices and income of an economy. Prerequisites: 201, 300.

311 Introduction to Economic Statistics (5) NW, QSR
Statistical concepts and their application in economics. (Students may receive credit for only one of STAT 220, 301 and ECON 311.) Meets with STAT 311. Prerequisite: 200, MATH 111 or 120.

404 Industrial Organization and Price Analysis (5) I&S
Analysis of firm behavior in imperfectly competitive markets. Topics include monopoly, oligopoly, product differentiation, entry deterrence and the role of asymmetric information. Game theoretic tools and empirical evidence are used to analyze topics. Prerequisite: 300.

422 Investment, Capital and Finance (5) I&S
Intertemporal optimization: consumption and portfolio allocation decisions of households, investment and financing decisions of firms. Introduction to financial decisions under uncertainty. Portfolio theory, asset pricing, options and futures. Financial market institutions and efficiency. Prerequisites: 300 and 311.

436 Economics of the Environment (5) I&S
Microeconomic analysis of environmental regulation. The problem of social cost, policy instrument choice, enforcement of regulations, methods for damage assessment, and estimating benefits of environmental improvement. Prerequisite: 300 or instructor permission.

451 Public Finance: Tax Policy (5) I&S
Microeconomics of taxation: efficiency, incidence, effect on distribution of income, personal and corporate income taxes, sales and consumption taxes, taxation of property and estates. Prerequisite: 300.

460W Economic History of Europe (5) I&S
Origins of the modern European economy; historical analysis of economic change and growth from medieval times that stresses the preconditions and consequences of industrialization. Recommended: 200, 201. Offered jointly with HIST 481.

472 International Macroeconomics (5) I&S

Courses by special arrangement
Undergraduate Research, Independent Study or Research, Internship, Doctoral Dissertation

Courses through distance learning
To register for these UW credit courses offered through distance learning, see pages 168-172 (registration by STAR is not available):

- ECON C200 Introduction to Microeconomics (5)
- ECON C201 Introduction to Macroeconomics (5)
- ECON C300 Intermediate Microeconomics (5)

English (ENGL)
A101 Padelford Hall, Box 354330
Telephone: 543-2634

The summer program in English offers a wide range of courses in the masterworks of our literature, in the study of language and in the art of writing in English. All undergraduate courses are suitable for nonmajors as well as majors. The aims of the graduate program are to teach interpretation, writing and research methods on advanced levels. For detailed descriptions of all courses, please visit or write the Department of English.

Romantic Poetry I (ENGL 331), American Literature: The Early Modern Period (ENGL 354) and American Literature: Contemporary America (ENGL 355) are offered through the UW Evening Degree Program. See page 82 for details.

Please note: Students not previously admitted to the University of Washington (nonmatriculated personal and corporate income taxes, sales and consumption taxes, taxation of property and estates. Prerequisite: 300.

104 Introductory Composition (5) C
Development of writing skills, sentence strategies and paragraph structures. Expository, critical and persuasive essay techniques based on analysis of selected readings. For Education Opportunity Program students only, upon recommendation by the Office of Minority Affairs.

111 Composition: Literature (5) C
Study and practice of good writing; topics derived from reading and discussing stories, poems, essays and plays. Not open to nonmatriculated students without proof of exemption from ESL requirement described above. See English adviser in Padelford A2B.

121 Composition: Social Issues (5) C
Study and practice of good writing; topics derived from reading and discussing essays and fiction about current social and moral issues. Not open to nonmatriculated students without proof of exemption from ESL requirement described above. See English adviser in Padelford A2B.

131 Composition: Exposition (5) C
Study and practice of good writing; topics derived from a variety of personal, academic and public subjects. Not open to nonmatriculated students without proof of exemption from ESL requirement described above. See English adviser in Padelford A2B. Also offered through distance learning; see pages 168-172 for details.

See the Time Schedule section, pages 91-137, for class dates and times.
See the Quick Reference Guide to Quarter Deadlines, pages 138-139, for important dates and deadlines.
200W Reading Literature (5) VLPA
Techniques and practice in reading and enjoying literature. Examines some of the best works in English and American literature and considers such features of literary meaning as imagery, characterization, narration and patterning in sound and sense. Emphasis on literature as a source of pleasure and knowledge about human experience. Also offered through distance learning; see pages 168-172 for details.

211 Medieval and Renaissance Literature (5) VLPA
Introduction to literature from a broadly cultural point of view, focusing on major works that have shaped the development of literary and intellectual traditions from the Middle Ages to the 16th century.

212 Literature of Enlightenment and Revolution (5) VLPA
Introduction to 18th and 19th century literature from a broadly cultural point of view, focusing on representative works that illustrate literary and intellectual developments of the period.

213 Modern and Postmodern Literature (5) VLPA
Introduction to 20th century literature from a broadly cultural point of view, focusing on representative works that illustrate literary and intellectual developments since 1900.

225 Shakespeare (5) VLPA
Survey of Shakespeare's career as dramatist. Study of representative comedies, tragedies, romances and history plays. Also offered through distance learning; see pages 168-172 for details.

228+ English Literary Culture: To 1600 (5) VLPA
British literature from Middle Ages to end of 16th century. Study of literature in its cultural context, with attention to changes in language, form, content and style.

229+ English Literary Culture: 1600-1800 (5) VLPA
British literature in 17th and 18th centuries. Study of literature in its cultural context, with attention to changes in form, content and style.

230+ English Literary Culture: After 1800 (5) VLPA
British literature in 19th and 20th centuries. Study of literature in its cultural context, with attention to changes in form, content and style.

242W Reading Fiction (5) VLPA
Critical interpretation and meaning in fiction. Different examples of fiction representing a variety of types from the medieval to modern periods. Also offered through distance learning; see pages 168-172 for details.

250+ Introduction to American Literature (5) VLPA
Survey of major writers, modes and themes in American literature from their beginnings to the present. Specific readings vary, but often included are: Taylor, Edwards, Franklin, Poe, Hawthorne, Melville, Emerson, Thoreau, Whitman, Dickinson, Twain, James, Eliot, Stevens, O'Neill, Faulkner, Hemingway, Ellison and Bellow. Also offered through distance learning; see pages 168-172 for details.

251 Introduction to American Political Culture (5) VLPA/I&S
Introduction to the methods and theories used in the analysis of American culture. Emphasizes an interdisciplinary approach to American literature, including history, politics, anthropology, and mass media. Offered jointly with POL 281. Also offered through distance learning; see pages 168-172 for details.

281, 281+ Intermediate Expository Writing (5) C
Writing papers, communicating information and opinion to develop accurate, competent and effective expression. Recommended: sophomore standing. Not open to nonmatriculated students without proof of exemption from ESL requirement described above. See English adviser in Padelford A2B. ENGL 281 is also offered through distance learning; see pages 168-172 for details.

283 Beginning Verse Writing (5) VLPA
Intensive study of the ways and means of making a poem. Recommended: sophomore standing. Also offered through distance learning; see pages 168-172 for details.

284 Beginning Short Story Writing (5) VLPA
Introduction to the theory and practice of writing the short story. Recommended: sophomore standing. Also offered through distance learning; see pages 168-172 for details.

310 The Bible as Literature (5) VLPA
Introduction to the development of the religious ideas and institutions of ancient Israel, with selected readings from the Old and New Testament. Emphasis on reading The Bible with literary and historical understanding. Also offered through distance learning; see pages 168-172 for details.

321 Chaucer (5) VLPA
Chaucer's Canterbury Tales and other poetry, with attention to Chaucer's social, historical and intellectual milieu.

323 Shakespeare to 1603 (5) VLPA
Shakespeare's career as dramatist before 1603 (including Hamlet). Study of history plays, comedies and tragedies. Also offered through distance learning; see pages 168-172 for details.

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25+ a term: June 22-July 22  A b term: July 23-Aug. 21 No symbol: full term June 22-Aug. 21
See page 8 for key to symbols and abbreviations. Courses listed are subject to revision.
324 Shakespeare After 1603 (5) VLPA
Shakespeare's career as dramatist after 1603. Study of comedies, tragedies and romances. Also offered through distance learning; see pages 168-172 for details.

326+ Milton (5) VLPA
Milton's early poems and the prose; Paradise Lost, Paradise Regained and Samson Agonistes, with attention to the religious, intellectual and literary contexts. Also offered through distance learning; see pages 168-172 for details.

329 Rise of the English Novel (5) VLPA
Study of the development of this major and popular modern literary form in the 18th century. Readings of the best novelists who founded the form, and some minor ones, from Defoe to Fielding, Richardson, and Sterne, early Austen, and the Gothic and other writers.

333+ English Novel: Early and Middle 19th Century (5) VLPA
Studies in the novel in one of its classic phases. Authors include Austen, the Brontës, Dickens and Thackeray. Also offered through distance learning; see pages 168-172 for details.

335 English Literature: The Age of Victoria (5) VLPA
Literature in an era of revolution that also sought continuity, when culture faced redefinition as mass culture and found in the process new demands and creative energies, new material and forms, and transformations of old ones. Readings range from works of Tennyson, Browning, Arnold, Shaw, to Dickens, Eliot, Hardy.

337+ The Modern Novel (5) VLPA
The novel on both sides of the Atlantic in the first half of the 20th century. Includes such writers as Joyce, Woolf, Lawrence, Stein, Hemingway, Faulkner and others.

352 American Literature: The Early Nation (5) VLPA
Conflicting visions of the national destiny and the individual identity in the early years of America's nationhood. Works by Emerson, Thoreau, Hawthorne, Melville and such other writers as Poe, Cooper, Irving, Whitman, Dickinson and Douglas. Also offered through distance learning; see pages 168-172 for details.

353+ American Literature: Later 19th Century (5) VLPA
Literary responses to an America propelled forward by accelerating and complex forces. Works by Twain, James, and such other writers as Whitman, Dickinson, Adams, Wharton, Howells, Crane, Dreiser, DuBois, and Chopin. Also offered through distance learning; see pages 168-172 for details.

358+ Literature of Black Americans (5) VLPA

370 English Language Study (5) VLPA
Wide-range introduction to the study of written and spoken English. The nature of language; ways of describing language; the use of language study as an approach to English literature and the teaching of English.

381 Advanced Expository Writing (5) VLPA
Concentration on the development of prose style for experienced writers. Recommended: sophomore standing. Not open to nonmatriculated students without proof of exemption from ESL requirement described above. See English Adviser in Padelford A2B. Also offered through distance learning; see pages 168-172 for details.

383 Intermediate Verse Writing (5, max. 10) VLPA
Intensive workshop study of the ways and means of making a poem. Further development of fundamental skills. Emphasis on revision. Meets with 483. Prerequisite: 283 or equivalent; entry code (B25 Padelford, 543-9865).

384 Intermediate Short Story Writing (5) VLPA
Exploring and developing continuity in the elements of fiction writing. Methods of extending and sustaining plot, setting, character, point of view and tone. Prerequisite: 284 or equivalent; entry code (B25 Padelford, 543-9865). Also offered through distance learning; see pages 168-172 for details.

400 Special Studies in Literature (3/5, max. 10) VLPA
A. Contemporary Asian American Literature (5)
Themes and topics offering special approaches to literature. This section will focus on contemporary Asian American literature. Meets with AAS 402.

452 Topics in American Literature (5, max. 15) VLPA
A. Asian American Literature (5)
Exploration of a theme or special topic in American literary expression. Meets with AES 498A.

471 The Composition Process (5) VLPA
Consideration of psychological and formal elements basic to writing and related forms of nonverbal expression, and the critical principles that apply to evaluation. Not open to nonmatriculated students without proof of exemption from ESL requirement described above.

481 Special Studies in Expository Writing (5) VLPA
Individual projects in various types of nonfiction prose, such as biographical sketches, informational reports, literary reviews and essays. This section will focus on writing hypertext in HTML. Computer experience recommended. Not open to nonmatriculated students without proof of exemption from ESL requirement described above. See English Adviser in Padelford A2B.

483 Advanced Verse Writing (5, max. 15) VLPA
Intensive workshop study of the ways and means of making a poem. Meets with ENGL 383. Prerequisite: 383 or equivalent; entry code (B25 Padelford, 543-9865).

485 Novel Writing (5, max. 15) VLPA
Experience in planning, writing and revising a work of long fiction, whether from the outset, in progress, or in already completed draft. Prerequisite: 484 or equivalent; entry code (B25 Padelford, 543-9865).

497W Honors Senior Seminar (5) VLPA
Seminar study of special topics in language and literary study. Prerequisite: honors students majoring in English and entry code (A11 Padelford, 543-2190). Meets with ENGL 498.

498W Senior Seminar (5) VLPA
Seminar study of special topics in language and literary study. Limited to seniors majoring in English. Meets with ENGL 497.

Courses by special arrangement

Courses through distance learning
To register for these UW credit courses offered through distance learning, see pages 168-172 (registration by STAR is not available):

- ENGL C131 Composition: Exposition (5)
- ENGL C200 Reading Literature (5)
- ENGL C225 Shakespeare (5)
- ENGL C242 Reading Fiction (5)
- ENGL C250 (W) Introduction to American Literature (5)
- ENGL C281 Intermediate Expository Writing (5)
English As A Second Language
4009 25th Ave. NE, Box 354232
Telephone: 543-6242

Intended primarily for new and continuing University of Washington matriculated students who are not native speakers of English, the Academic English Program (AEP) is designed to help such students improve their academic English language skills.

NOTE: Nonmatriculated students and other qualified applicants may take AEP courses under the following circumstances only: 1) they have taken and achieved a minimum score on the UW administered ESL Diagnostic Exam, and 2) there is space available in the class. These applicants will be put on a waitlist and usually are not allowed to enroll for the course until the end of the first week of the quarter, space permitting only.

Students who are required to take ESL as part of their admission to the UW should take the ESL Diagnostic Exam before they enroll. Students should contact the Testing Office in 440 Schmitz Hall, or call 543-1170 to register for the exam. The Diagnostic Exam determines which ESL courses the student should take. Without the exam, a student is required to take all five ESL courses.

Visit the Office of Special Services, 460 Schmitz, or contact the ESL office for further information. Each class requires payment of a $410 special fee.

Enrollment in an ESL class during the summer does not guarantee admission to the University. For information concerning admission criteria and the application closing date, see the admission section of this bulletin. For further information on the Academic English Program, contact Laurie Lindblad in the English As A Second Language Center, Box 354232, Seattle, WA 98195-4232, (206) 543-6242.

100 Intermediate ESL for Non-Native Speakers of English (0)
A three-course sequence; students increase the range and accuracy of their grammar and vocabulary necessary in editing their own academic writing and in comprehending academic texts.

A. Language Structure I
Lowest of the three language structure courses; focuses on recognizing basic grammar structures; some production required. Academic vocabulary is introduced. Prerequisite: placement examination. Fee: $410.

B. Language Structure II
Second of the three language structure courses; focuses on productive use of grammar structures covered in previous course, and recognition of more advanced structures. Continued work on academic vocabulary development. Prerequisite: 100A or placement examination. Fee: $410.

C. Language Structure III
Final course in the language structure sequence; focuses on productive mastery of grammar structure introduced in previous courses. Prerequisite: 100B or placement examination. Fee: $410.

101 High Intermediate ESL for Non-Native Speakers of English (0)

A. Writing About Sources
Emphasizes students' ability to recognize and use basic rhetorical structures commonly found in academic writing across disciplines. Stresses recognition of appropriate grammatical structures, organizational patterns, rhetorical phrases and academic style. Prerequisite: 100C or placement examination. Fee: $410.

B. Listening to Lectures
Listening for increased efficiency in academic lecture comprehension and note taking. Emphasizes analysis and synthesis of both lecture and supplemental reading content. Prerequisite: 100C or placement examination. Fee: $410.

102 ESL for International Teaching Assistant Training (0)
Lecturing and class discussion skills for ITAs, with work on comprehensibility, idea organization and levels of formality. Prerequisites: entry code, SPEAK test and diagnostic examination, and completion of all required ESL courses. (No fee for qualified ITAs.)

General Studies (GEN ST)
9 Communications Building, Box 353760
Telephone: 543-2551

Information about general studies courses and individual majors in general studies may be obtained from the Undergraduate Advising Center at the above address.

Courses by special arrangement
Independent Fieldwork, Supervised Study in Selected Fields, Senior Study

Genetics (GENET)
J205 Health Sciences Center, Box 357360
Telephone: 543-1657

371 Introductory Genetics (5) NW
Explores gene transmission, chromosome mapping, quantitative traits, population genetics, genetic analysis of biological processes. Emphasizes formal genetic mechanisms, but includes some molecular techniques, such as restriction mapping, cloning, RFLP analysis. For biological science majors. Prerequisite: CHEM 150. Recommended: BIOL 201.

501 Introduction to Research Materials (3, max. 9)
The student undertakes a research project in one of the research groups within the department, for a quarter at a time. Prerequisite: graduate standing in the Department of Genetics or permission of graduate program coordinator.

Courses by special arrangement
Undergraduate Research, Independent Study or Research, Master's Thesis, Doctoral Dissertation

Geography (GEOG)
408A Smith Hall, Box 353550
Telephone: 543-3246

Geography summer offerings include courses meeting general education requirements and core courses for geography majors and nonmajors. Regional Development (GEOG 366) is offered this summer through the Evening Degree Program. See page 83 for details.

100 Introduction to Geography (5) & S
Introduction to the study of human geography and the major themes of the discipline. Topics include human-environment interactions, migration and human mobility, patterns of health and nutrition, industrialization and urbanization, and the geography of culture and politics.
GEOLOGY
OF THE
PACIFIC
NORTHWEST
A lecture and field trip course

GEOL 308
6 credits
June 22-August 21

Covers the geologic history of Washington, Oregon, and Idaho. Emphasis on use of geologic principles in interpreting evidence found in landscapes and rocks. Prerequisite: 101 or 205 or equivalent.

Students participate in five field trips during Summer Quarter. Fifteen field trips are offered on both weekdays and weekends to accommodate student schedules. Field trips include:
- North Cascades
- Mount Rainier
- Mount St. Helens
- Columbia Plateau
- San Juan Islands
- Bremerton and Whidbey Islands
- The Olympic Peninsula

Three in-class labs are required at the beginning of the quarter to review mineral and rock identifications, as well as geology field methods.

102 World Regions (5) I&S
Spatial study of world regions, based on historical, cultural, political, economic, and other factors. An attempt to understand the underlying forces that have led to the formation of regions and regional patterns. Also offered through distance learning; see pages 168-172 for details.

205* Introduction to Physical Science and the Environment (5) NW
Major atmospheric, hydrologic, and geomorphic processes used to interpret the character, distribution, and human significance of different natural and human-altered environments. Includes laboratory exercises for non-science majors, geography majors, and nonmajors.

207* Economic Geography (5) I&S
The changing locations and spatial patterns of economic activity, including production in agriculture, manufacturing and services; spatial economic principles of trade, transportation, communications, and corporate organization; regional economic development and the diffusion of technological innovation.

277A Geography of Cities (5) I&S
Study of (1) systems of cities—their location, distribution, functions, and competition; and (2) their internal structure—the locations of activities within urban areas. Particular emphasis on current urban problems—sprawl, housing, segregation, economic growth and metropolitan transportation.

326 Introduction to Geographic Research (5) I&S, QSR
Introduction to the tools of geographic research. Topics include defining problems, designing methods for gathering and operationalizing statistics. Provides experience defining a geographic research problem, collecting and analyzing data, and drawing conclusions from that endeavor.

335 Geography of the Developing World (5) I&S
Characteristics and causes, external and internal, of Third World development, and obstacles to that development. Special attention to demographic and agricultural patterns, resource development, industrialization and urbanization, drawing on specific case studies from Asia, Africa, and Latin America. Prerequisite: 100 or equivalent.

370* Problems in Resource Management (5) I&S
Principles and practices of effective conservation and utilization of natural resources. Role of technology in resource use. Physical, political, and economic aspects of resource management for food, population, land, water, air, energy, and timber resources. Recommended: 100 or equivalent.

448A Geography of Transportation (5) I&S
Circulation geography, principles of spatial interaction emphasizing commodity flow, the nature and distribution of rail and water transport, and the role of transport in area development.

Courses by special arrangement
Internship in Geography, Independent Study or Research, Master's Thesis, Doctoral Dissertation

Course through distance learning
To register for this UW credit course offered through distance learning, see pages 168-172 (registration by STAR is not available):
- GEOG C102 World Regions (5)

Geological Sciences (GEOL)
63 Johnson Hall, Box 351310
Telephone: 543-1190

The department offers courses for majors and graduates, and nonmajors seeking broad training in geological sciences.

101 Introduction to Geological Sciences (5) NW
Survey of the physical systems that give the earth its form. Emphasizes the dynamic nature of interior and surface processes and their relevance to mankind, and stresses the value of rocks and earth forms in the understanding of past events. A course with laboratory for nonscience majors. Not open for credit to students who have taken 205. Field trips to Cascades and Olympics.

306A Evolution of the Earth (5) NW
Earth and its physical and biological aspects through time. Origin of earth, its early history, and development of continents and ocean basins as chronicled by the rock and fossil record. Field trips. Prerequisite: 101 or 205.

308 Geology of the Pacific Northwest (5) NW
Geologic history of Washington, Oregon, and Idaho. Emphasis on use of geologic principles in interpreting evidence found in landscapes and rocks. For complete details, see box on this page.

312 Volcanoes and Glaciers of the Pacific Northwest (5) NW

401 Field Geology (10) NW
Geologic mapping in diverse areas in the western United States (near Dillon in southwestern Montana). Development of skills in geologic mapping.

See the Time Schedule section, pages 91-137, for class dates and times.
See the Quick Reference Guide to Quarter Deadlines, pages 138-139, for important dates and deadlines.
field interpretation and report writing. Students are responsible for their own living expenses while in the field for six weeks. Prerequisites: 321, 340 and entry code. Recommended: 306, 311.

Courses by special arrangement

Course through distance learning
To register for these UW credit courses offered through distance learning, see pages 168-172 (registration by STAR is not available):

- GEOL C101 Introduction to Geological Sciences (5)

Geophysics (GPHYS)
202 Atmospheric Sciences-Geophysics, Box 351650 Telephone: 543-8020

Course by special arrangement
Independent Study or Research

Germanics (GERM)
34C Denny Hall, Box 353130 Telephone: 543-4580

The Department of Germanics offers a variety of intensive and regular courses at all levels. Students may take 15 credits of Intensive First-Year German (100), the equivalent of First-Year German (101, 102, 103). Students may also complete the entire second-year program and earn 15 credits by enrolling in Intensive Second-Year German (200). Graduate students may enroll in First-Year Reading German (121A and 122A). Advanced undergraduate and graduate students may also enroll in 497 and 498.

100 Intensive First-Year German (15)
Accelerated first-year German. Emphasis on speaking and listening. Equivalent to 101, 102, and 103.

101 First-Year German (5)
Emphasis on communicative skills. No credit for students who have taken the first five credits of 104.

103 First-Year German (5)
Emphasis on communicative skills. Prerequisite: 102 or equivalent. No credit for students who have taken the last five credits of 104.

Credit restrictions: Students may receive credit for only one course in each of the following: 101, 111 and the first 5 credits of 104; 102, 111 and the second 5 credits of 104; 103 and the last 5 credits of 104. They may, however, receive credit for courses in different first-year sequences if the courses are taken in progressively more advanced order (e.g., the first 5 credits of 104 followed by 102 and 103). Intensive First-Year German (100) is the equivalent of 101, 102, 103, or 15 credits of 104.

121A 121A First-Year Reading German (5,5)
Intensive. Beginning course devoted exclusively to the reading objective. For graduate and undergraduate students. Credit/no credit only.

200 Intensive Second-Year German (15) VLPA
Accelerated second-year German. Systematic review of German grammar. Intensive practice in conversation, reading and writing. Prerequisite: 103 or equivalent.

230 Conversational German (5) VLPA
Intensive conversational German. Prerequisite: 103 or equivalent.

497+ Studies in the German Literature (1-6, max. 15) VLPA
A. The Fantastic, the Uncanny, the Myths: A Breach from Mimetic 19th Century German Realism? (5)
This seminar, open to graduates and advanced undergraduates, explores the relationship between the implausible and the plausible relative to narrative styles and philosophical content in a representative number of 19th century "realistic" narratives. Readings of primary texts in German and discussions (in German or English) are based upon the central question, why and to what extent elements of the uncanny are preserved or have their place at all in otherwise extremely realistic portrayals of life.

498A Studies in German Language (1-6, max. 15) VLPA
A. Linguistics and Literature (5)
This course first provides an introduction to the basic principles of syntactic and semantic analysis. Then, building on these principles, students analyze some of the major syntactic and semantic structures of Modern German. In this connection, various literary concepts such as metaphor are considered as linguistic structures. Students taking this course should have at least two full years of German. Course requirements are to prepare homework exercises to become familiar with the methodology employed, and at the conclusion of the course, to present an analysis of a literary text, either prose or poetry, of the student's choice. The course is open to graduate and undergraduate students.

Courses by special arrangement
Independent Study or Research, Master's Thesis, Doctoral Dissertation

History
315 Smith Hall, Box 353560 Telephone: 543-5790

History courses are offered in:
- General History
- History of the Americas
- Ancient and Medieval History
- History of Asia
- Modern European History

The Department of History offers a wide variety of summer classes, including upper division and graduate courses for teachers seeking their master's degree. Undergraduates will also find a wide diversity of courses.

Modern American Civilization from 1877 (HIST AA 303) and France Since 1814 (HSTEU 423) will be offered through the UW Evening Degree Program. See page 83 for details.

Please note: Summer Quarter is one week shorter than the other three quarters of the University's academic year. Nonetheless, the amount of material covered in a given course is the same as when that course is offered during one of the longer quarters. For this reason, you should be aware that Summer Quarter courses are intensive and require a substantial investment of time and effort on your part, both in and out of the classroom.

General History (HIST)
111 The Ancient World (5) I&S
Origins of Western civilization to the fall of Rome.

112 The Medieval World (5) I&S
Political, economic, social and intellectual history of the Middle Ages. Cannot be taken for credit toward a history major if HSTAM 331 or 332 previously taken.

207 Introduction to Intellectual History (5) I&S
Ideas in historical context. Comparative and developmental analysis of Western conceptions of "community" from Plato to Freud. Offered jointly with CHID 207.

312+ Science in Civilization: Science in Modern Society (5) I&S
Growth of modern science since the Renaissance, emphasizing the scientific revolution of the 17th century, the development of methodology, and the emergence of new fields of interest and new modes of thought.

* a term: June 22-July 22  † b term: July 23-Aug. 21  No symbol: full term June 22-Aug. 21
See page 8 for key to symbols and abbreviations. Courses listed are subject to revision.
MARTYRDOM AND PERSECUTION IN THE GRECO-ROMAN WORLD

From the Maccabees to Julian the Apostle

HIST 498W, 5 credits
June 22-August 21

Oppression and persecution have been, and still are found, in every type of human society. In every society, there have been persons who have been unjustly or unfairly attacked, and who either lost their lives or have sacrificed them for just causes. In Western culture, there is a tendency to see such notions in the light of a particular historical experience which has provided much of the language we use. Terms like "victim," "persecution," "martyr," and "martyrdom" are all used to describe such actions and persons. The semester will examine the problem of martyrdom and persecution in the historical context that gave birth to these ideas and concepts. This context involved the attacks directed against Christians during the earliest phases of the development of the church during the first four centuries of the Roman empire. We shall consider the history of these accounts of the period and consider a number of problems and issues involving Roman reaction towards Christians, Paganism and Christianity, Roman legal questions regarding persecution, and the impact of the persecutions on Christianity.

481 Economic History of Europe (5) I&S
Origins of the modern European economy; historical analysis of economic change and growth from medieval times that stresses the preconditions and consequences of industrialization. Recommended: ECON 220, 201. Offered jointly with ECON 460.

495 History Internship (1-5, max. 10)
Off-campus independent fieldwork with a community agency in an apprenticeship or internship situation. Work to be jointly supervised by a member of the history department and an on-site field supervisor.

498W Colloquium in History (3-5, max. 15) I&S
A. The American Experience in the Vietnam War Through Film and Literature (*)
Designed to incorporate an historical analysis of the war, with film and literary criticism of selected Vietnam War movies and books. The purpose of the seminar will be to explore the various images, myths, and facts of the American experience in the war, to achieve a deeper understanding of how we as a nation and culture have remembered and represented the war. Prior knowledge of the Vietnam War era is not a prerequisite.

B. Martyrdom and Persecution in the Greco-Roman World: From the Maccabees to Julian the Apostle (*)
Examines the problem of martyrdom and persecution in an historical context. Focuses on the attacks directed against Christians during the earliest phases of the development of their church during the first four centuries of the Roman empire. For complete details, see adjacent box.

C. The French Revolution: History and Historiography (*)
The French Revolution is one of the great revolutions in world history; each generation of historians brings to the Revolution a different set of questions and preoccupations. Discussions and assignments in this course will require participants to think about the Revolution on two levels: as a discrete set of events and as a creative reconstruction of the past, as history and historiography. Readings include some classic and recent reconstructions of the French Revolution, such as Alexis de Tocqueville, Georges Lefebvre and Lynn Hunt.

D. Hitler and Stalin (*)
Students will study the life and times of Adolph Hitler and Joseph Stalin. In addition to weekly readings and discussions, each student will produce a 10-page paper on a topic of his or her choice related to the course material. Readings will be drawn largely from Alan Bullock's Hitler and Stalin: Parallel Lives.

Courses by special arrangement
Undergraduate Research, Independent Study or Research, Master's Thesis, Doctoral Dissertation

History of the Americas (HSTAA)
Modern American Civilization from 1877 (HSTAA 303) will be offered through the UW Evening Degree Program. See page 83 for details.

135 The American People and Their Culture in the Modern Era: A History of the United States Since 1940 (5) I&S
Through study of documents, personal testimony, other source materials, written reports on historical problems, and discussions, lectures, films, and audiovisual presentations, students are encouraged to examine evidence and think "historically" about persons, events, and movements within the memory of their own generation and that immediately preceding theirs. Primarily for first-year students.

150+ Afro-American History (5) I&S
Introductory survey of topics and problems in Afro-American history, with some attention to Africa as well as America. Provides some general knowledge and serves as a basic introductory course for a sequence of lecture courses and seminars in Afro-American history. Offered jointly with AFRAM 150.

202 Makers of American Foreign Policy, 1776 to the Present (5) I&S
Survey of the history of American foreign relations. Focus on the individuals responsible for initiating new foreign policies or for realigning old ones.

302+ American Civilization: The First Century of Independence (5) I&S
Establishment of the constitutional system; national expansion; intellectual and cultural development; internal conflicts, the Civil War and Reconstruction.

373A Social History of American Women (5) I&S
Multi-racial, multi-cultural study of America's women, 16th century to present. Emphasis on women's unpaid work; participation in paid labor force; charitable and reform activities; feminist movements of 19th, 20th centuries. Use
of primary materials, i.e. diaries, letters, speeches, artifacts. Prerequisite: 201, WOMEN 200 or 283, or permission of instructor. Offered jointly with WOMEN 383.

411 The United States During the Era of Civil War and Reconstruction (5) I&S
Conflicting interests, ideologies, and ways of life in the United States from the 1840s to 1879.

421 American Environmental History (5) I&S
American attitudes toward the natural environment. Impact of settlement on the major natural regions of the United States. Evolution of the conservation movement, including development of the national park system, national forest system and emergence of the ecological perspective. Recommended: courses in forestry, environmental studies, geography, history or related disciplines.

432A History of Washington and the Pacific Northwest (5) I&S
Exploration and settlement; economic development and social institutions; statehood.

462 Diplomatic History of the United States, 1901-Present (5) I&S
Foreign policy of the United States government during the 20th century. International wars and the other major episodes in diplomacy are emphasized. Prerequisite: 202 or graduate standing.

Courses through distance learning
To register for these UW credit courses offered through distance learning, see pages 168-172 (registration by STAR is not available):

- HSTAA C201 Survey of the History of the United States (5)
- HSTAA C432 History of Washington and the Pacific Northwest (5)

Ancient and Medieval History (HSTAM)

205 Military History of the Ancient World (5) I&S
Military history from prehistoric times to the fall of the Roman Empire, with special emphasis on the Greco-Roman period and campaigns of Alexander the Great, Hannibal, Scipio Africanus, and Julius Caesar.

360 Medieval Christianity (5) I&S
Development of Christianity in the medieval west circa 400 to 1500. Emphasis on the forms of religious life: monasticism, the papacy, friars, hermits, mystics, and reformers; and on the emergence of new modes of piety, both lay and clerical.

370 The Vikings (5) VLPA/I&S
The Vikings at home in Scandinavia and abroad, with particular emphasis on their activities as revealed in archaeological finds and in historical and literary sources. Offered jointly with SCAND 370.

402 Classical Greece (5) I&S
The classical civilization of ancient Greece, with special emphasis on the legacy of Greece to Western civilization.

History of Asia (HSTAS)

202 Modern Indian Civilization (5) I&S
The Islamic impact, British conquest, and contemporary India. Emphasis on the rise of nationalism, social organization, and contemporary life and history.

212 History of Korean Civilization (5) I&S
From earliest times to present. Development of Korean society and culture in terms of government organization, social and economic change, literature and art. Offered jointly with SISEA 212.

221A History of Southeast Asia (5) I&S
Surveys Southeast Asian civilizations at the outset of Western colonial rule; the colonial impact on the traditional societies of Burma, Thailand, Cambodia, Laos, Vietnam, Malaysia, Indonesia and the Philippines; 19th and 20th century nationalist and revolutionary movements; emergence of Southeast Asia as a region in the modern world.

423 History of Modern Japan (5) I&S
Political, social, economic and cultural development of Japan from the late Tokugawa period to the present, with special emphasis on the cultural impact of the West. Offered jointly with SISEA 423.

454 History of Modern China (5) I&S
Political, economic, social and intellectual history of China from 1800 to the present. Processes of modernization and revolution, and relationship between them.

Course through distance learning
To register for this UW credit course offered through distance learning, see pages 168-172 (registration by STAR is not available):

- HSTAS C423 History of Modern Japan (5)

Modern European History (HSTEU)

France Since 1814 (HSTEU 423) will be offered through the UW Evening Degree Program. See page 83 for details.

303 Contemporary European History Since 1815 (5) I&S
Political, social, economic, and cultural history from the fall of Napoleon to the present.

369 The Destruction of European Jewry, 1933-45 (5) I&S
History of anti-Semitism; dimensions of the Holocaust; the Holocaust organization and the victims' responses; reactions of world events in Europe, allied policies, refugee policy, and American actions. Legal, historical and sociological questions raised by these events. Offered jointly with SISEE 369.

434 Germany 1871-1989 (5) I&S
Society and politics from Germany's first unification to its reunification; domestic and foreign policy; political, economic, social, and cultural developments; high emphasis on German society's self-perception, and on the variety of interpretations of this period's history offered by different "schools" of historians.

445 Twentieth Century Russia (5) I&S
Russia and the USSR from Nicholas II to the present.

452 Eastern Europe Since 1918 (5) I&S
Poland, Czechoslovakia, Hungary, Romania, Yugoslavia, Bulgaria, and Albania from the end of World War I to the present. Prerequisite: HSTEU 451 or permission of instructor.

474A England in the 19th Century (5) I&S
Political, social, and cultural development; the agrarian, industrial, and French revolutions; the rise of parliamentary democracy; the Victorian age; political thought from utilitarianism to Fabianism; Irish home rule.
The Henry M. Jackson School of International Studies
111 Thomson Hall, Box 353650
Telephone: 543-6001

Henry M. Jackson School of International Studies courses are offered in:
• African Studies
• Canadian Studies
• China Studies
• Comparative Religion
• European Studies
• International Studies
• Japan Studies
• Jewish Studies
• Korea Studies
• Latin American Studies
• Middle Eastern Studies
• Russian, East European and Central Asian Studies
• South Asian Studies
• Southeast Asian Studies

In addition to the courses listed, students may register for independent study courses (499, 600, or 700) in many of the areas listed above. Program-related undergraduate courses offered by other academic units are also available. Call the International Studies advisory offices in Thomson Hall for additional information.

African Studies (SISAF)
Course by special arrangement
Undergraduate Research

Canadian Studies (SISCA)
490 Special Topics (1-5, max. 15)
A. Cyber Canada (5)
Basic skills for Web site creation. Research project on a Canadian topic, to be posted live on the Canadian Studies Web site. Exploration of Canadian Internet material on topics such as government, environment, trade, First Nations, social welfare and Quebec separatism. Research techniques, including how to blend Internet information with more traditional sources for a credible research report. Academic guidelines for use of online information.

B. Communications Professionals in American and Canadian Film (5)
Films portray media professionals in varying ways, affecting the impressions that moviegoers have of such professions as reporter, broadcaster, and editor. In this class, students will view several films from the U.S. and Canada, and will analyze similarities or differences in these portrayals. Meets with CMU 418B.

Courses by special arrangement
Undergraduate Research, Independent Study or Research

China Studies (SISEA)
Courses by special arrangement
Undergraduate Research, Independent Study or Research, Master's Thesis

Comparative Religion (RELIG)
201 Introduction to World Religions: Western Traditions (5) I&S
History of religions, concentrating on religious traditions that have developed west of the Indus. Primary attention to the Semitic religions (Judaism, Christianity, Islam) and to their ancient world background, with emphasis on basic conceptual and symbolic structures.

211 Islam (5) VLPA/1&S
Religious and cultural milieu of Arabia before Muhammad; Muhammad's call and struggles to establish the new faith; Qu'ra'ic content and style; Western and Muslim scholarship and the Qu'ra'n; place of traditions in the Islamic edifice; Muslim political and religious thought; sources of Muslim religious law; and modern Muslim movements. In English. Offered jointly with NEAR E 211.

350 Buddhism and Society: The Theravada Buddhist Tradition in South and Southeast Asia (5) I&S
Religious tradition of Theravada Buddhism (as practiced in Sri Lanka, Burma, Thailand, Laos and Cambodia). Variations in ethical orientations developed through Theravada Buddhist ideas. Recommended: 202 or knowledge of one of the Eastern religious traditions. Offered jointly with ANTH 352.

Courses by special arrangement
Undergraduate Research, Independent Study or Research

Course through distance learning
To register for this UW credit course offered through distance learning, see pages 168-172 (registration by STAR is not available):
• RELIG C202 (W) Introduction to World Religions: Eastern Traditions (5)

European Studies (EURO)
Course by special arrangement
Undergraduate Research

International Studies (SIS)
330 Political Economy of Development (5) I&S
Growth, income distribution and economic development in less-developed countries today. Policies concerning trade, industrialization, the agriculture sector, human resources and financing of development. Prerequisites: ECON 200, 201.

335 Geography of the Developing World (5) I&S
Characteristics and causes, external and internal, of Third World development and obstacles to that development. Special attention to demographic and agricultural patterns, resource development, industrialization, and urbanization, drawing on specific case studies from Asia, Africa, and Latin America. Offered jointly with GEOG 335.

390 Political Economy of Industrialized Nations (5) I&S
Theoretical bases of various political economic systems of industrialized nations. Several major issues these political economies currently face: usefulness and limits of economic analyses within a broader perspective of political economy. Prerequisite: ECON 200, 201.
422A The United States in the Contemporary International System (S) I & S
United States in the world: ways in which international circumstances shape the political, strategic, economic and cultural dimensions of America’s policy. Case studies from post-1945 period. Recommended: background coursework in international relations of American foreign policy.

426+ World Politics (S) I & S
Nation-state system and its alternatives; world distributions of preferences and power; structures of international authority; historical world societies and their politics. Offered jointly with POL S 426.

450+ Political Economy of Women and the Family in the Third World (S) I & S
Theoretical and empirical aspects of the political economy of women and the family in the Third World during the process of development, with a focus on labor. Main theoretical approaches examined and applied to case studies from Asia and Latin America. Offered jointly with SOC 450.

490+ Special Topics (1-5, max. 15) I & S
A. Introduction to European Union Law (S)
A survey of the legal origins of the European Union, and the synthesis of major European, legal traditions that has been achieved. Primary focus on the process of harmonizing national laws of member states and economic integration in the areas of competition law (antitrust) and free movement of goods and services, with a view to understanding the legal identity of contemporary Europe. No previous course on law or economics is necessary.

B. Africa After the Cold War (S)
Examines the evolving historical, political and economic developments in Africa (both national and international) following the end of the Cold War, in the 1990s. The nature of the course will be interdisciplinary, and the approach will be thematic and regional. Attention to the legacy of Cold War politics in Africa (the nature and outcomes of the liberation struggles on the continent; the ideological divide and the nature of the emergent African state; political and economic developments; etc.).

Courses by special arrangement
Undergraduate Research, Independent Study or Research

Japanese Studies (SISEA)
423 History of Modern Japan (S) I & S
Political, social, economic and cultural development of Japan from the late Tokugawa period to the present, with special emphasis on the cultural impact of the West. Offered jointly with HSTAS 423.

Courses by special arrangement
Undergraduate Research, Independent Study or Research, Master’s Thesis

Jewish Studies (SISJE)
369+ Destruction of European Jewry, 1933-45 (S) I & S
History of anti-Semitism; dimensions of the Holocaust; the Holocaust organization and the victims’ responses; reaction of world to events in Europe, allied policies, refugee policy, and American actions. Legal, historical and sociological questions raised by these events. Offered jointly with HSTEU 369.

Courses by special arrangement
Undergraduate Research

Korea Studies (SISEA)
212 History of Korean Civilization (S) I & S
From earliest times to present. Development of Korean society and culture in terms of government organization, social and economic change, literature and art. Offered jointly with HSTAS 212.

Courses by special arrangement
Undergraduate Research, Independent Study or Research, Master’s Thesis

Latin American Studies (SISLA)
342 Government and Politics of Latin America (S) I & S
Analysis of the political dynamics of change in Latin America, comparing various national approaches to the political problems of modernization, economic development, and social change. Offered jointly with POL S 342.

485A Cultural Studies of Latin America (S) I & S/VLPA
Interdisciplinary exploration of connections among culture, identity, and power, and among popular, mass, and elite cultures in one or more regions of Latin America. Specific topics vary, but may include such problems as tradition, modernity, and postmodernism, or national and resistance cultures. Offered jointly with SPAN 485.

490A Special Topics (1-5, max. 15) I & S
A. Racism and Anti-racism in the Americas (S)
Examines racism and racial formation in the Americas. Topics include an analysis of the origins of American racial orders, a study of the similarities and differences of Latin American racial formation, as compared to North America, a detailing of racisms in contemporary American societies, and an exploration of the obstacles prohibiting the realization of a less-racist hemisphere.

Courses by special arrangement
Undergraduate Research

Middle Eastern Studies (SISME)
490+ Special Topics (1-5, max. 15) I & S
A. Pharaonic Egypt in the Context of the Ancient Near East (S)
A survey of ancient Egyptian history and culture. Topics include Egyptian language, archaeology, literature, art, and religion. Meets with NEAR E 496A and 596A.

Russian, East European and Central Asian Studies (SISRE)
490 Special Topics (1-5, max. 15) I & S
A. The Turkic Peoples of Central Asia (S)
Addresses the origins, history, languages, cultures and current issues of the Turkic peoples of Central Asia. Covers the independent republics of Kazakhstan, Kirghizstan, Uzbekistan, Turkmenistan and Azerbaijan, as well as the Zinjiang Uyghur Autonomous Region, the autonomous republics within the Russian federation (Tatarstan, Bashkortostan, Sakha, Altay, Tuva), and various smaller Turkic communities in Eurasia. Weekly films, presentations by native scholars, and discussion sections on current issues. Offered jointly with NEAR E 496B and 596B.

Courses by special arrangement
Undergraduate Research, Independent Study or Research, Master’s Thesis

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* a term: June 22-July 22  ▲ b term: July 23-Aug. 21  No symbol: full term June 22-Aug. 21
See page 8 for key to symbols and abbreviations. Courses listed are subject to revision.
**Surveys Southeast Asian civilizations at the out­
CoIIea.**

221. History
Southeast
set of Western colonial rule; the colonial impact
and the Philippines; 19th- and 20th-century
Cambodia, Laos, Vietnam, Malaysia, Indonesia,
and the Philippines; 19th- and 20th-century na­
tionalist and revolutionary movements; emer­
gence of Southeast Asia as a region in the mod­
ern world. Offered jointly with HSTAS 221.

490+ Special Topics in Southeast
Asian Studies (2-5, max. 15)
I&S

A. Philippine History: 1890-1954 (5)
Examines the impact of colonization, both Span­
ish and American, upon the Philippines in this
period. Begins with the Propaganda Era—the be­
ginning of nationalism near the end of the Span­
ish Philippines—and extends through the Phil­
ippine Commonwealth’s alliance with the U.S.
during World War II, and U.S. sponsorship of the
newly independent Philippine government’s suc­
cessful efforts to suppress the peasant-sus­
pported Hukbalahap Rebellion. Offered jointly
with AES 498B.

Course by special arrangement
Undergraduate Research

Linguistics

A210 Padelford Hall, Box 354340
Telephone: 543-2046
Email: phoneme@u.washington.edu
www.washington.edu/~linguistics

The Department of Linguistics offers courses in
the method and theory of language analysis, in
phonology and syntax, and Romance linguistics.

Linguistics (LING)

200+ Introduction to Linguistic
Thought (5) VLPA/I&S, QSR
Language as the fundamental characteristic of the
human species; diversity and complexity of hu­
mnan languages; phonological and grammatical
analysis; dimensions of language use; language and
writing; impact of historical linguistics on
contemporary theory. Not open for credit to stu­
dents who have taken 400. Also offered through dis­
tance learning; see pages 168-172 for details.

203 Introduction to Anthropologi­
cal Linguistics (5) VLPA/I&S
Linguistic methods, theories used within anthrop­
ology: Descriptive and theoretical linguistics com­
pared; historical linguistics, comparative
method; socio-linguistics; language, culture; hu­
mnan language and animal communication com­
pared; survey of history of anthropological lin­
guistics in North America. Not open for credit to
students who have taken 200, 201, or 400. Offered
jointly with ANTH 203.

Romance Linguistics (ROLING)

Courses by special arrangement
Senior Essay, Special Seminar and Conference

Mathematics (MATH)

C36 Padelford Hall, Box 354350
Telephone: 543-6830

Summer Quarter courses offered in mathematics
range from the precalculus level to a selection of
advanced courses at senior and graduate levels.
Mathematics majors can take most of the standard
senior-level courses during the summer, includ­
ing 402, 407 and 427. Courses of interest to teach­
ers include Introduction to Modern Algebra for Teach­
ers (411, 412), History of Mathematics (420) offered
only during Summer Quarter, and Geometry for
Teachers (444, 445). Also see Statistics.

Students planning to take MATH 111, 120 or 124
must satisfy minimum placement requirements.
The current requirements are described in “Place­
ment Requirements for MATH 107, 111, 120, 124,”
available at the Undergraduate Advising Center,
9 Communications, and Mathematics Advising,
C36 Padelford.

111 Applications with Algebra
(5) NW, QSR
Use of graphs and algebraic functions as found in
business and economics. Algebraic and graphi­
cal manipulations to solve problems. Exponential
and logarithmic functions; various applications to
growth of money. Prerequisite: 998 or placement,
est. Also offered through distance learning; see pages
168-172 for details.
112 Application of Calculus to Business and Economics (3) NW, QSR
Rates of change, tangent, derivative, accumulation, area, integral in specific contexts, particularly economics. Techniques of differentiation and integration. Application to problem solving. Optimization. Credit does not apply toward mathematics major. Prerequisite: 111. Also offered through distance learning; see pages 168-172 for details.

120 Pre-calculus (5) NW
Polynomial, rational, exponential and trigonometric functions. For students needing preparation for 124; not advised for students who will not take 124. Does not satisfy natural science distribution or QSR proficiency requirement. Prerequisite: 098 or placement test. Also offered through distance learning; see pages 168-172 for details.

124 Calculus with Analytic Geometry I (5) NW, QSR
Differentiation, applications of derivative, integration. Calculus for natural sciences and engineering students. Prerequisite: placement test, or 2.5 or better in 120, or equivalent. Also offered through distance learning; see pages 168-172 for details.

125 Calculus with Analytic Geometry II (5) NW
Applications of integration, transcendental functions, methods of integration and improper integrals, introduction to first order ordinary differential equations. Prerequisite: 124. Also offered through distance learning; see pages 168-172 for details.

126 Calculus with Analytic Geometry III (5) NW
Vectors and vector functions in space, functions of several variables and applications, multiple integrals. Prerequisite: 125. Also offered through distance learning; see pages 168-172 for details.

170 Mathematics for Elementary School Teachers (3) NW
Basic concepts of numbers and operations (170) and geometry (171). Emphasizes problem solving, communication of mathematical ideas, and analysis of sources of difficulty in learning/teaching these concepts. Credit may not apply toward a mathematics major. 170 required for elementary education students. Credit/no credit only. Prerequisites: three years of high school math. Also offered through distance learning; see pages 168-172 for details.

205 Elementary Linear Algebra (3) NW
Systems of equations, vector spaces, matrices, linear transformations, characteristic vectors. Not open for credit to students who have taken 308. Prerequisite: 124 or 112.

301 Elementary Number Theory (3) NW
Brief introduction to some of the fundamental ideas of elementary number theory. Prerequisite: 126 or 136.

307 Differential Equations (3) NW
Taylor series. First and second order ordinary differential equations. Prerequisite: 125. Also offered through distance learning; see pages 168-172 for details.

308 Linear Algebra (3) NW
Linear algebra (matrices and linear equations, the vector space Rn, eigenvalues), systems of first order linear ordinary differential equations. Prerequisite: 126.

309 Linear Analysis (3) NW
Linear algebra (inner products, projections, Fourier series and Laplace transform with applications to partial differential equations. Prerequisites: 307, 308; or 136.

324 Advanced Multivariable Calculus I (3) NW
Vector and scalar fields, line integrals, surface and volume integrals, theorems of Green, Gauss and Stokes. Prerequisite: 126.

327 Introductory Real Analysis I (3) NW
Limits and continuity of functions, sequences, series tests, absolute convergence, uniform convergence. Power series, improper integrals, uniform continuity, fundamental theorems on continuous functions, theory of the Riemann integral. Prerequisites: 125 and 307.

390 Probability and Statistics in Engineering and Science (4) NW
Concepts of probability and statistics. Conditional probability, independence, random variables, distribution functions. Descriptive statistics, transformations, sampling errors, confidence intervals, least squares and maximum likelihood. Exploratory data analysis and interactive computing. Students may not receive credit for both 390 and STAT 481. Prerequisites: 307 or 324, and 205 or 308. Offered jointly with STAT 390.

394 Probability I (3) NW
Sample spaces; basic axioms of probability; combinatorial probability; conditional probability and independence; binomial, Poisson and normal distribution. Prerequisite: 126. Offered jointly with STAT 394.

395 Probability II (3) NW
Random variables; expectations and variance; laws of large numbers; normal approximation and other limit theorems; multidimensional distributions and transformations. Prerequisite: 394. Offered jointly with STAT 395.

402 Introduction to Modern Algebra (3) NW
Intensive. Algebraic systems; elementary theory of groups, rings and fields; polynomials; topics in linear algebra; reductions of forms. Prerequisites: 136, 327 or 340 for 402; 402 for 403.

407 Linear Optimization (3) NW
Maximization and minimization of linear functions subject to constraints consisting of linear equations and inequalities; linear programming and mathematical modeling. Simplex method, elementary games and duality. Prerequisite: 136 or 308.

411 Introduction to Modern Algebra for Teachers (3,3) NW
Basic concepts of abstract algebra with an emphasis on problem solving, constructing proofs and communication of mathematical ideas. Designed for teaching majors; not open for credit to students who have taken 402, 403. Prerequisites: 205 or 308 for 411; 411 for 412. May count only toward the B.A. degree in mathematics.

420 History of Mathematics (3) NW
Survey of the development of mathematics from its earliest beginnings through the first half of the 20th century. Prerequisite: 402 or 411. (May be taken concurrently.)

427 Topics in Applied Analysis (3) NW
Some elementary functions of a complex variable, Cauchy integral formula and applications, Taylor and Laurent series, conformal mapping. Prerequisite: 327 or 336.

428 Topics in Applied Analysis (3) NW
Intensive. Fourier Series, orthogonal functions and boundary value problems. Prerequisites: 309, and either 327 or 336.

449A Topics in Applied Analysis (3) NW
Intensive. Material selected from the following topics: Fourier transforms, Laplace transforms, Bessel functions, Legendre functions, and the application of these ideas to the solution of certain ordinary and partial differential equations. Prerequisites: 427 and 428.

444, 445 Geometry for Teachers (3,3) NW
Concepts of geometry for multiple approaches: discovery, formal and informal reasoning, transformations, coordinates, exploration using computers and models. Topics selected from Euclidean plane and space geometry, spherical geometry, non-Euclidean geometries, fractal geometry. Designed for teaching majors. Prerequisites: 126 or 136, 205 or 308 for 444; 444 for 445.

* A term: June 22-July 22  ▲ a term: July 23-Aug. 31  No symbol: full term June 22-Aug. 21
See page 8 for key to symbols and abbreviations. Courses listed are subject to revision.
487 Advanced Mathematics
Computer Lab (1/2, max. 6) NW
Laboratory activities in the use of computing as a tool for doing mathematics. (May be used by mathematics majors to satisfy the degree requirement for two credits in computing.) Offered only as a companion lab to a designated section of a 400-level mathematics course. Prerequisite: concurrent enrollment in designated section of 400-level math course. Credit/no credit only.

496 Honors Seminar (3) NW
Problem seminar for senior honors students and first-year graduate students. Prerequisite: permission of instructor.

498 Special Topics in Mathematics
(1-5, max. 15)
Reading and lecture course intended for special needs of advanced students. Prerequisite: permission of instructor.

510 Seminar in Algebra
(2-5, max. 5)
Prerequisite: permission of graduate program coordinator. Credit/no credit only.

530 Seminar in Analysis
(2-5, max. 5)
Prerequisite: permission of graduate program coordinator. Credit/no credit only.

550 Seminar in Geometry
(2-5, max. 5)
Prerequisite: permission of graduate program coordinator. Credit/no credit only.

570 Seminar in Topology
(2-5, max. 5)
Prerequisite: permission of graduate program coordinator. Credit/no credit only.

590 Seminar in Probability
(2-5, max. 5)
Prerequisite: permission of instructor. Credit/no credit only.

597 Seminar on Teaching Math
(1, max. 3)
Issues in the teaching and learning of college mathematics, such as discovering and working with student background and expectations, increasing student engagement with course materials and evaluating student achievement. For graduate students who are, or soon will be, teaching mathematics courses on their own. Credit/no credit only.

Courses by special arrangement
Independent Study or Research, Master's Thesis, Doctoral Dissertation

Courses through distance learning
To register for these UW credit courses offered through distance learning, see pages 169-172 (registration by STAR is not available):

- MATH C101 Intermediate Algebra (0)
- MATH C107 Mathematics: A Practical Art (5)
- MATH C111 Algebra with Applications (5)
- MATH C112 Applications of Calculus to Business and Economics (5)
- MATH C120 Precalculus (5)
- MATH C124, 125, 126 Calculus with Analytic Geometry (5, 5, 5)
- MATH C170 Mathematics for Elementary School Teachers (5)
- MATH C307 Differential Equations (5)

Microbiology (MICROM)
C311 Health Sciences Center, Box 357242
Telephone: 543-5624

General Microbiology with Laboratory is recommended for teachers of general science or biology and for students of biology, chemistry, pharmacy and nursing. Practical experience in a diagnostic laboratory and in media room procedures is available to a limited number of students. Graduate instruction is offered in the summer through research seminars.

301 General Microbiology (3) NW
Acquaints students with microorganisms and their activities. Topics include microbial cell structure and function, metabolism, microbial genetics, and the role of microorganisms in disease, immunity and other selected applied areas. Prerequisite: two quarters of chemistry; a course in biological science is recommended.

302 General Microbiology Laboratory (2) NW
Laboratory course primarily for students taking 301. Covers a variety of microbiological techniques, with experiments designed to illustrate major concepts of microbiology, virology and immunology. No auditors. Prerequisite: concurrent or previous registration in 301, or permission.

320 Media Preparation (2) NW
Practical work in preparation of culture media. Nutritional requirements of microorganisms and sterilization methods are considered. For students expecting to enter vocation involving laboratory work with bacteria. Prerequisites: 301 and 302, or equivalent, and entry code. Credit/no credit only.

500 Introduction to Research
(5, max. 20)
Introduction to research areas of the faculty and the techniques employed in their investigations. Prerequisite: graduate standing in microbiology. Credit/no credit only.

555 Advanced Clinical Microbiology (2.5)
Attendance at daily plate rounds of the Division of Clinical Microbiology. Designed to increase understanding of clinical microbiological work and its application to the care of the patient. Prerequisites: 443 and entry code. Credit/no credit only.

556 Clinical Microbiology Training and Research (5, max. 12)
Training in clinical microbiology and research. Attendance at daily laboratory rounds in addition to bench-side training and research. For medical students and microbiology graduate students only. Prerequisites: 443 and entry code. Credit/no credit only.

Courses by special arrangement
Honors Undergraduate Research, Undergraduate Library Research, Undergraduate Laboratory Research, Independent Study or Research, Master's Thesis, Doctoral Dissertation

Music
116 Music Advising, Box 353450
Telephone: 543-1239

Music courses are classified as follows:
- Courses Primarily for Nonmajors
- Short Workshops Primarily for Music Educators and Music Majors
- Ensemble Courses and Applied Music

The School of Music offers a varied program for both undergraduate and graduate students. Many short workshops are planned. The dates for these workshops are specified before the course description.

Courses for nonmajors, of special interest to the general student, present a wide spectrum of musical experiences, including band, orchestral and choral ensemble groups.

Music educators may be interested in MUSED 496 courses (Special Topics in Music Education), many of which are special one-, two- or three-week workshops.

Community members are encouraged to participate in the Summer Band Program (MUSEN 302/502) under the direction of Tim Salzman and David Fullmer, the University Chorale (MUSEN 350/550) under the direction of Jeffrey Cooper, and the Chamber Orchestra (MUSEN 300/500) under the direction of Robert Huw Morgan.

The School of Music offers a master's degree program for music educators which may be completed entirely in the summer. For more information, contact the School of Music, (206) 543-2726.
Courses Primarily for Nonmajors (MUSIC)

116+ Elementary Music Theory I (2) VLPA
For those with no hands-on music experience. Rudiments of music: notation of time, small pitch structures (e.g., some scales, chords, rhythmic patterns), some analysis. David Kappy.

117+ Elementary Music Theory II (2) VLPA
Covers brief review of MUSIC 116; harmonic structures including analysis of functions of triads; introduction of four-part harmony with emphasis on triad inversions, doubling, voice-leading. Designed for non-music majors. Prerequisite: 116 or ability to read music and knowledge of scales, key signatures, compound and simple time intervals and triads.

120 Survey of Music (5) VLPA
Studies in listening, with emphasis on the changing components of Western art music.

121+ The Orchestra (2) VLPA
Development of the orchestra and its literature.

122+ The Opera (2) VLPA
An introduction to opera through selected masterworks, from Monteverdi to the present. Primarily for non-majors.

162+ American Popular Song (5) VLPA
Historical, social and stylistic study of popular idioms from the late 19th century to the present. Most attention to contemporary idioms. Influences of music industry on taste and style. Tom Collier.

270+ World Popular Music (5) VLPA/I&S
A global survey of popular music, including Latin America, Africa, the Middle East, and Asia. Emphasis on student's ability to recognize styles and to analyze the social and historical processes that have shaped them. Shannon Dudley.

316+ Music Cultures of the World (5) VLPA/I&S
A survey of music of Near East, Central Asia, Far East, South and Southeast Asia, Indonesia, and the Philippines. Ter Ellingson.

331+ History of Jazz (3) VLPA
Survey of the major periods and styles of jazz, New Orleans jazz to the avant-garde and popular jazz of today. Study of the major characteristics of each style.

488 Computer Applications in Music (3) VLPA
Music workstation application using microcomputers, music synthesizers, and analog-to-digital converters: music editing and score production, transcription, waveform and spectral analysis, and introduction to programming.

Course through distance learning
To register for this UW credit course offered through distance learning, see pages 168-172 (registration by STAR is not available):

- MUSIC C33I History of Jazz (3)

Short Workshops Primarily for Music Educators and Majors: Applied Music (MUSAP)

389 World Music Traditions (2-3) VLPA/I&S
Taught by visiting artists. Primarily for majors; nonmajors on a space-available basis. No auditors. Topics: Moon-Jin Chot, Korean Kayagum and Changgo; Eva Ybarra, Texas-Mexican Conjuto, accordion and other instruments. An $80 MUSAP fee and faculty code are required.

589 World Music Laboratory (3)
World music traditions taught by visiting artists, with emphasis on cultural pedagogy and traditional theory. The particular culture studied changes from year to year. Required of all graduate students in ethnomusicology. Credit/no credit only.

Music Education (MUSED)

405 Marching Band Techniques (2) VLPA
June 22-July 2 Basics of marching and maneuvering discussed and used to write drill. Covers selection of music, use of marching procession and show design. Students complete a drill for their own band or for an instrumentation determined by the instructor. Timothy Salzman

410 Instrumental Rehearsal Techniques (3) VLPA
June 22-July 7 Includes score preparation, rehearsal formats and error detection. Prerequisite: basic conducting skills. Timothy Salzman

475 Teaching the Music of Selected Cultures (1, max. 6) VLPA
A. Issues (1)
June 26 and July 2 Experiences in selected repertoire and instructional activities will be used to illustrate key concepts and issues in world music/multicultural music education in classroom and ensemble practice. Patricia Campbell

MUSIC OF OTHER CULTURES FOR EDUCATORS AND MUSIC MAJORS

World Music Traditions (MUSIC 389; 2-3 credits)
June 22-August 21
Taught by visiting artists. Primarily for majors; nonmajors on a space-available basis. No auditors. Topics: Moon-Jin Chot, Korean Kayagum and Changgo; Eva Ybarra, Texas-Mexican Conjuto, accordion and other instruments. An $80 MUSAP fee and faculty code are required.

Teaching the Music of Selected Cultures (MUSED 475; 1 credit each)

Issues (Section A)
June 26 and July 2 Experiences in selected repertoire and instructional activities will be used to illustrate key concepts and issues in world music/multicultural music education in classroom and ensemble practice. Patricia Campbell

Introduction to African Marimbas in the Classroom (Section B)
B. Introduction to African Marimbas in the Classroom (1)
June 29-30 Introduction to the performance of African marimba music on classroom xylophones, for teaching in the elementary classroom. Walter Hampton

C. Africa Marimba Music for Upper Elementary and Middle School Students (1)
July 1-2 Experiences in the performance of African marimba music on classroom instruments for students in intermediate elementary and middle school levels. Walter Hampton

496 Special Topics in Music Education (1-3, max. 10) VLPA
A. Removing the Fear of Improvisation (1)
June 22-25 Musicians with little or no improvisation experience will be given opportunities to become more freely expressive on their instruments, or vocally. Techniques will be modeled for use by teachers in leading children and adolescents toward the ability to improvise. Roy Cummings

B. Jazz Literature and Rehearsal Techniques (2)
June 29-July 9 For those who wish to maintain playing skills and preview new material from junior high through professional-level jazz ensemble charts. Styles, techniques, rehearsal and performance skills will be discussed and demonstrated. Those who do not play an instrument have the opportunity to sit in the middle of a band and observe how the material is interpreted in each section (saxophone, trumpet, trombone, rhythm). Roy Cummings

C. Choral Repertoire (2) VLPA
June 22-July 2 Students will survey compositional styles and repertoire of the Renaissance and Baroque periods. Special emphasis will be given to works appropriate for public school use. Creating performing editions, performance practice considerations, and practical uses for music educators will also be covered. Geoffrey Boers

D. Advanced Choral Conducting (+, 2)
June 22-July 2 Course will explore conducting technique with particular emphasis on its application in the public school ensemble rehearsal. Basic vocal pedagogy and style will be discussed as components of gesture. Geoffrey Boers

E. Band Repertoire (2) VLPA
June 22-July 2 Emphasis will be threefold: Developing an awareness of the cornerstone wind band repertoire; history of compositional development of the wind band idiom; awareness of the important educational repertoire for the public school junior and senior high school concert band. Timothy Salzman

F. Oboe Workshop (3)
June 22-27 A program for performers and educators. Daily master classes covering standard solo and orchestral repertoire, etudes from the Barrett method and Ferling Etudes books, reed making, instrument maintenance, teaching methods. A recital featuring workshop participants and a Concerto Reading Session with the UW Chamber Orchestra. Rebecca Henderson

G. Building a Successful Low Brass Section in the Schools (1)
July 13-16 For teachers whose principal instrument is not a low brass instrument, the sessions will explore techniques, exercises and repertoire for beginning and intermediate players of trumpet and tuba in secondary school private and group lessons, and in school ensembles. David Holmes

H. Working with Community Musicians (1)
July 27-28 Exploration of ways in which musicians in the local community can be involved in school programs in music, dance and art and cultural studies. Guests are community musicians with experiences in school music programs, who will perform, engage students in participatory experiences in their artistic forms, and discuss their perceptions of their interface with school teachers. Issues framed and reinforced by education director of Northwest Folklife Festival. Cliff Sloane

I. Using Community Resources in the Classroom (1)
July 29-July 30 Presentation by education director of Northwest Folklife Festival on ways in which community arts and culture agencies and foundations, museums, and individual artists as "culture-bearers" are becoming linked to schools, teachers, and their students. Guests include culture-bearers with extensive experience in performing for and teaching children in schools. Cliff Sloane

J. Real Music in School Music Programs (1)
July 28-29 Presentation on the status of music in South African cultural communities, and in their systemic/school settings, including live and recorded examples. Discussion and readings will be directed on the extent to which "reality" of music can be maintained when taken from communities and placed into school curriculum. Participants will experience samples of African music for classroom use, but will also be challenged as to ways of proceeding with caution in transferring works of any musical culture to school music settings. Patricia Campbell

501 Introduction to Research in Music Education (3)
Seminar in research design and method with emphasis on identification of problems in music instruction, interpretation of data and application of findings to classroom settings. Second section is a continuation of the first section. Steven Morrison

523 Music and Socialization (3)
The socialization process and music, including the interaction whereby music culture is learned.

560 Contemporary Issues in Music Education (2)
Seminar focusing on review of literature on psychological and sociological aspects of music education, including historical and philosophical foundations of music education in the United States. Appropriate for M.A. students seeking guidance in preparation of topic for examinations. Prerequisite: 24 credits toward the M.A. Steven Morrison/Patricia Campbell

Music (MUSIC)

201 First-Year Music Theory I (3) VLPA
First quarter of core theory sequence for majors. Introduction to modal counterpoint and 16th-century polyphony through the species. To be taken concurrently with MUSIC 204. Prerequisite: 119 or equivalent and by placement examination for 201.

202 First-Year Music Theory II (3) VLPA
Second quarter of core theory sequence for majors. Instruction in tonal harmony and counterpoint. To be taken concurrently with MUSIC 205. Prerequisite: 119 or equivalent and by placement examination for 201.

204 First-Year Ear Training (1) VLPA
First quarter of core ear training sequence for majors. Diatonic melodies in major and minor, with sample and compound meter signatures, plus material coordinated with 201. To be taken concurrently with 201. Admission by placement examination only.

205 First-Year Ear Training (1) VLPA
Second quarter of core ear training sequence for majors. Diatonic melodies in major and minor, with sample and compound meter signatures, plus material coordinated with 202. To be taken concurrently with 202. Admission by placement examination only.
Overview of choral conducting patterns. Score, voice warm-up, and intonation. Tempo fluctuation, left-hand, diction, discipline. Designed for music and music education majors. Prerequisite: 212 or permission of instructor. Jeffrey Cooper

Junior Recital (1) VLPA

Seminar in Music and Socialization (3) VLPA

The socialization process and music, including the interaction whereby music culture is learned. Prerequisite: 345 or 545 or permission of instructor; entry code.

Master’s Recital (3)

Advanced Conducting: Instrumental (3)

June 22-July 17 Timothy Salzman

Doctoral Recital (*)

Advanced Selected Topics (1-3, max. 27)

A. Improvisation in World Music (3)

July 10-11 An introduction to the musicological and ethnomusical study of improvisation, with emphasis on South Asia (India) and the Middle East. Topics will include the concept of improvisation, and South Indian classical music, classical music of Iran, and Arabic music. Sessions will consist of presentations by the instructor, with recorded and live demonstrations, and discussion. Correlative literature will be provided. Brindhi Natt

Courses by special arrangement

Undergraduate Research, Independent Study or Research, Master’s Thesis, Doctoral Dissertation

Music History (MUHST)

Seminar in Methods of Music Research (3)

Explores various approaches to research in music at the graduate level, examining specialized bibliographical resources, controversial arguments about musical issues, and other matters of musical criticism required to begin advanced study of music. This seminar serves as a prerequisite course for all graduate history courses except MUSIC 515. ESL students must complete their ESL program before enrolling in this class. Entry code required. JoAnn Taricani

Readings in Medieval and Renaissance Music (5)

The history of musical style from circa 900 to 1600. Concepts and styles of medieval and Renaissance music. Prerequisite: permission of instructor. JoAnn Taricani

Ensemble Courses and Applied Music (MUSEN)

This summer private instruction in French horn, harp, tuba, clarinet, trumpet, cello, piano, guitar, and voice are offered. Admission is by audition before appropriate faculty. Additional fee of $80 charged for private instruction. Entry codes required.

Near Eastern Languages and Civilization

229 Denny Hall, Box 353120
Telephone: 543-6033
fax: (206) 685-7936

Near Eastern Languages and Civilization courses are offered in:

• Arabic
• Hebrew
• Persian
• Tajik
• Uzbek
• Near Eastern courses in English

The Department of Near Eastern Languages and Civilization is offering intensive language study in Arabic, Hebrew, Persian, Tajik and Uzbek languages, enabling a student to complete one year of the language during Summer Quarter. Uzbek and Tajik may be partially funded by grants. Students interested in receiving information about possible fellowships for Uzbek and Tajik should contact the department.

Courses designated with an asterisk (*) require 20 contact hours. Students enrolling in such courses must also register for five credits of NEAR E 490.

Arabic (ARAB)

Intensive Elementary Arabic (15)

Intensive study of grammar, with oral and written drill and reading of selected texts. Allows students to complete the first year of standard Arabic during Summer Quarter. No credit if 411, 412, 413 taken.

Hebrew (HEBR)

Intensive Elementary Hebrew (15)

Intensive study of grammar, with oral and written drill and reading of selected texts. Modern Israeli Hebrew. Core vocabulary, grammar, conversational text, and oral and written communication. Excerpts from modern Hebrew prose and poetry. Allows students to complete the first year of Hebrew during Summer Quarter. No credit if 411, 412, 413 taken.

 Persian

Intensive Persian for Native Speakers (15) VLPA

Reading, writing and comprehension of handwritten manuscripts of scribal tradition, calligraphy and journalistic prose and translation.
Tajik (PRSAN)

401 Intensive Elementary Tajik (15)*
Modern literary Tajik. Intensive study of grammar, with oral and written drill and reading of selected texts. Allows undergraduate or graduate students to complete the first year of Tajik during Summer Quarter.

Uzbek (TKIC)

401 Intensive Elementary Uzbek (15)*
Intensive study of grammar, with oral and written drill and reading of selected texts. Allows student to complete the first year of modern literary Uzbek during Summer Quarter. No credit if 411, 412, 413 taken.

406 Advanced Uzbek (15)* VLPA
Readings and discussions of Uzbek contemporary writers. Emphasis on practicing essay writing, oral presentations and translations.

Near Eastern Courses in English (NEAR E) 211 Islam (5) VLPA/I&S
Religious and cultural milieu of Arabia before Muhammad. Muhammad’s call and struggle to establish the new faith; Qur’anic content and style; Western and Muslim scholarship and the Qur’an; place of traditions in the Islamic edifice; Muslim political and religious thought; sources of Muslim religious law; and modern Muslim movements. Offered jointly with RELIG 211.

490 Supervised Study (1-6, max. 18)
Special work in Near Eastern studies for graduates and undergraduates. Prerequisite: permission of instructor.

496/596 Special Studies in Near Eastern Languages and Civilization (3-5, max. 15)
A. Pharaonic Egypt in the Context of the Ancient Near East (5)
A survey of ancient Egyptian history and culture. Topics include Egyptian language, archaeology, literature, art, and religion. Meets with SISME 490A.

B. Turkic People of Central Asia (5)
Interdisciplinary ethnographic survey addressing origins, history, languages, culture and current issues of Turkic people of Central Asia—Indeependent republics of Kazakhstan, Kirghizistan, Uzbekistan, Turkmenistan and Azerbaijan, Xinjiang Uyghur Autonomous Region.

Courses by special arrangement Independent Study or Research

Philosophy (PHIL)
345 Savery Hall, Box 353350
Telephone: 543-5855

The Department of Philosophy offers a wide range of courses designed to introduce students to various aspects of philosophical thought. This summer’s courses are concerned with the clarification of philosophical issues that arise in considering reasoning, epistemology, morality, law, literature, art and religion.

100 Introduction to Philosophy (5) I&S
Major philosophical questions relating to such matters as the existence of God, the foundations of knowledge, the nature of reality and of morality. Approach may be either historical or topical.

102 Contemporary Moral Problems (5) VLPA/I&S
Philosophical consideration of some of the main moral problems of modern society and civilization, such as abortion, euthanasia, war and capital punishment. Topics vary.

115 Practical Reasoning (5) I&S, QSR
Introduction to logic emphasizing concepts and methods useful for practical analysis of arguments in everyday contexts; meaning, syllogisms, logical diagrams, inductive and statistical inference, informal fallacies, argument structure, beginning symbolic logic.

120 Introduction to Logic (5) I&S/NW, QSR
Elementary symbolic logic. The development, application and theoretical properties of an artificial symbolic language designed to provide a clear representation of the logical structure of deductive arguments. Also offered through distance learning; see pages 168-172 for details.

200 Types of Philosophy (5) I&S
Introductory philosophy. The content of the course is entirely at the discretion of the instructor.

206 Philosophy of Feminism (5) I&S
Philosophical analysis of the concepts and assumptions central to feminism. Theoretical positions within the feminist movement; view of the ideal society, goals and strategies of the movement, intersections of the sex/gender system with other systems of oppression. Offered jointly with POL S 212/WOMEN 206.
Physics (PHYS)
C139 Physics-Astronomy Building, Box 351560
Telephone: 543-2772

110 Liberal Arts Physics (5) NW, QSR
The scientific revolution of the 17th century, the conceptual development of classical mechanics and the Newtonian world picture. Primarily for students in the arts, humanities and social sciences.

114 General Physics (4) NW, QSR
Mechanics and sound. Basic principles of physics presented without use of college-level mathematics. Suitable for students majoring in technically oriented fields other than engineering or the physical sciences. Concurrent registration in 117 strongly recommended. Prerequisites: working knowledge of algebra and trigonometry, and one year of high school physics.

115 General Physics (4) NW
Heat and electromagnetism. Concurrent registration in 118 strongly recommended. Prerequisite: 114.

116 General Physics (4) NW
Light and modern physics. Concurrent registration in 119 strongly recommended. Prerequisite: 115.

117 General Physics Laboratory (1) NW
Mechanics laboratory, to be taken concurrently with 114. Credit/no credit only.

118 General Physics Laboratory (1) NW
Heat and electromagnetism laboratory, to be taken concurrently with 115. Credit/no credit only.

119 General Physics Laboratory (1) NW
Sound, light and modern physics laboratory, to be taken concurrently with 116. Credit/no credit only.

121 Mechanics (4) NW, QSR
Basic principles of mechanics. Concurrent registration in 131 required. Prerequisites: one year of high school physics or permission, concurrent or previous MATH 124 or 134.

122 Electromagnetism and Oscillatory Motion (4) NW
Basic principles of electromagnetism, the mechanics of oscillatory motion. Concurrent registration in 132 required. Prerequisites: 121, concurrent or previous MATH 125 or 135.

123 Waves (4) NW
Electromagnetic waves, optics and waves in matter. Concurrent registration in 133 required. Prerequisites: 122, concurrent or previous MATH 126 or 136.

131 Experimental Physics (1) NW
Experimental topics in physics for science and engineering majors. Concurrent registration in 121 required.

132 Experimental Physics (1) NW
Experimental topics in physics for science and engineering majors. Concurrent registration in 122 required.

133 Experimental Physics (1) NW
Experimental topics in physics for science and engineering majors. Concurrent registration in 132 required.

224 Thermal Physics (3) NW
Introduction to heat, thermodynamics, elementary kinetic theory and the physics of continuous media. Prerequisites: 122, which may be taken concurrently, and MATH 126.

225 Modern Physics (3) NW
Special theory of relativity; phenomena of modern physics with emphasis on photons, electrons and atoms; introduction to quantum physics. Prerequisites: 123, concurrent or previous MATH 126 or 136.

334 335A Electric Circuits Laboratory (3, 3) NW
Basic elements of DC, AC and transient circuits; electronic devices; electrical measurements. Prerequisites: 123, MATH 126 or 136 for 334; 334 for 335.

401 Special Problems (*)
Supervised individual study. Prerequisite: entry code.

405, 407 Physical Science for Teachers (2–5, max. 6) and Physics for Teachers (5) NW
June 26–August 3 The Physics Department offers a six-week, 10-credit summer program in physics and physical science for full-time inservice teachers. Directed by Dr. Lillian C. McDermott, professor of physics, and supported in part by an NSF grant, the program is tuition-free and stipends are offered. This course is designed to strengthen subject matter background in topics typically covered in physics and physical science curricula using a hands-on, inquiry-oriented method of instruction; emphasizes the development of fundamental concepts and reasoning skills through laboratory experience; meeting the needs of teachers with varying levels of preparation in science and mathematics. Although the application deadline was Feb. 15, 1998, spaces may still be available. For information and applications, contact Joan Valles, (206) 685-2046; fax, 685-0635.

Courses by special arrangement
Independent Study or Research, Doctoral Dissertation

Political Science (POL S)
101 Gowen Hall, Box 355350
Telephone: 543-1824, 543-2780

To meet the needs and interests of both continuing and visiting students, the Department of Political Science offers a varied selection of summer classes. Introductory and advanced courses are offered in political theory, American politics, international relations and comparative politics. This summer’s offerings in international relations and comparative politics include American foreign policy, labor and film, and world electoral reforms and European politics. American politics topics include American constitutional law, environmental policy, and American city politics.

* a term: June 22–July 22  ▲ b term: July 23-Aug. 21  No symbol: full term June 22–Aug. 21
See page 8 for key to symbols and abbreviations. Courses listed are subject to revision.
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Through the department’s affiliation with The Washington Center in Washington, D.C., continuing students can apply for a 15-credit summer internship program in the nation’s capital. Information about the program is available in the Political Science Advising Offices, Smith 215. The application closing date for summer participants in the internship program was March 15; the closing date for autumn is June 15.

**101 ▲ Introduction to Political Science (5) ▲ S**

Political problems that affect our lives and shape the world around us. Recommended for nonmajors, for students who are thinking about political science as a major, and for political science majors who have not decided on an area of specialization. Also offered through distance learning; see pages 168-172 for details.

**202 ▲ Introduction to American Politics (5) ▲ S**

Institutions and politics in the American political system. Ways of thinking about significant problems, crises and conflicts of American society are resolved politically.

**203 ▲ Introduction to International Relations (5) ▲ S**

The world community, its politics and government.

**212 ▲ Philosophy of Feminism (5) ▲ S**

Philosophical analysis of the concepts and assumptions central to feminism. Theoretical positions within the feminist movement; view of the ideal society, goals and strategies of the movement, its relation to social change and ethics. Offered jointly with PHIL 206/WOMEN 206.

**270 ▲ Introduction to Political Economy (5) ▲ S**

Political economy as a tool for understanding and evaluating the political world. Combines theory and methods and insights derived from economics and political science, and applies them to a range of substantive issues.

**273 ▲ Concept of Power (5) ▲ S**

How to understand and explain relationships of power. Readings from Marxism, Weberian sociology, anarchism, classical political philosophy and contemporary political sciences. May also include works of fiction.

**281 ▲ Introduction to American Political Culture (5) VLPA/I&S**

Introduction to the methods and theories used in the analysis of American culture. Emphasizes an interdisciplinary approach to American literature, including history, politics, anthropology, and mass media. Offered jointly with ENGL 251.

**304 ▲ The Press and Politics in the United States (5) ▲ S**

Journalists' role in elections and public policy. Relationship between news coverage and political campaigns. Study and analysis of local political newswriting, reporting, and response by local and state political figures. Extensive off-campus experience included. Offered jointly with CMU 341.

**317 ▲ The Politics of Race in the United States (5) ▲ S**

Political and social dilemma created by the attempt to reconcile ethnic and national identity. Effort of African-Americans to resolve this dilemma examined through the writings of contemporary political scholars.

**321 ▲ American Foreign Policy (5) ▲ S**

Constitutional framework; major factors in formulation and execution of policy; policies as modified by recent developments; the principal policymakers—President, Congress, political parties, pressure groups, and public opinion. Recommended: 101 or 202.

**325 ▲ The Arab-Israeli Conflict (5) ▲ S**

The politics of conflicting ideologies: Zionism and Arab nationalism; formation of the state of Israel; development of Palestinian nationalism; Arab-Israeli wars. Reemergence of Palestinian activism; domestic sources of foreign policy; the role of the superpowers.

**329 ▲ Global Communications (5) ▲ S**

Introduces students to the history, purpose, channels, content, technologies, policy, and regulation of international communications systems. Issues covered include media development between post-industrial and developing nations; imbalances in international news and information flow, and the emergence of global communications. Offered jointly with CMU 320.

**342 ▲ Government and Politics of Latin America (5) ▲ S**

Analysis of the political dynamics of change in Latin America, comparing various national approaches to the political problems of modernization, economic development, and social change.

**346 ▲ Governments of Western Europe (5) ▲ S**

Modern government and politics of Great Britain, France, Germany and Italy.

**353 ▲ United States Congress (5) ▲ S**


**354 ▲ Elections and Voting in the United States (5) ▲ S**

Elections and political campaigns. Relationship between news coverage and political campaigns. Study and analysis of local political newswriting, reporting, and response by local and state political figures. Extensive off-campus experience included. Offered jointly with CMU 341.

**356 ▲ Society and Politics (5) ▲ S**

Focus on the role of social change in democratic countries, including political opinion, public policy, and the impact of elections on policy. Recommended: 101 or 202.

**360 ▲ Introduction to United States Constitutional Law (5) ▲ S**

Growth and development of constitutionally guaranteed private rights, with particular reference to the period since 1937.
363+ Law in Society (5) I&S
Inquiry into how law matters in social practice. Examines general theories of law, the workings of legal institutions, and the character of legally constituted practices and relationships in diverse terrains of social life. Offered jointly with SO JU 363.

383 Environmental Politics and Policy in the United States (5) I&S
Interrelation between technological and environmental change and policy formation. Consideration of political behavior related to these phenomena and the capacity of urban public organizations to predict change and to formulate policies that can take future states into account. Also offered through distance learning; see pages 168-172 for details.

401A Advanced Special Topics in Political Theory (5, max. 10) I&S
A. Issues in Feminist Theory (5)
Focuses on social constructionism, addressing some of its theoretical tensions. Students examine whether persons act solely as a result of their socialization, or have independent agency. Most theorists emphasize that people or agents can affect social forces but, at the same time, are affected by social forces. We will investigate where and how to develop understandings of subjects which are socially constructed; also have capacity to function as agents for social change. Offered jointly with women 501.

423 International Law (5) I&S
Origin and present status of efforts to make rules of conduct for sovereign states; simulation of a treaty-drafting conference with students playing roles of legal advisers to foreign governments. Recommended mainly for seniors with prior courses in international relations.

426A World Politics (5) I&S
The nation-state system and its alternatives, world distributions of preferences and power, structure of international authority, historical world societies and their politics. Offered jointly with SIS 426.

447 Comparative Politics Seminar (5, max. 10) I&S
Selected comparative political problems, political institutions, processes, and issues in comparative perspective. Strongly recommended: 204.

U. Labor and Film (5)
Focuses on labor and film, providing a context to understand labor issues. The politics of filmmakers and educational uses of film.

481+ Big City Politics (5) I&S
Contemporary big city politics, focusing on Seattle and the largest 25 cities. Social, economic and the political trends that have shaped characteristics of large American cities. Distribution and use of economic and political power among parties and groups. Future of large cities and politics of change. Recommended: 202.

Courses by special arrangement

Courses through distance learning
To register for these UW credit courses offered through distance learning, see pages 168-172 (registration by STAR is not available):
- POL S C101 (W) Introduction to Politics (5)
- POL S C305 The Politics of Mass Communication in American (5)
- POL S C383 (W) Environmental Politics and Policy in the United States (5)

Psychology (PSYCH)
119 Guthrie Hall, Box 351525 Telephone: 543-2640
Survey of Physiological Psychology (PSYCH 222), Developmental Psychology (PSYCH 306), and Child and Adolescent Behavior Disorders (PSYCH 410) are offered through the Evening Degree Program. See page 83 for details.

101 Psychology as a Social Science (5) I&S
Examines behavior from a social science viewpoint. Emphasizes human social behavior and influence, personality, learning, behavior disorders and treatment. Includes related aspects of cognition, states of consciousness, motivation and emotion, perception, development, biological influences and research. Also offered through distance learning; see pages 168-172 for details.

102 Psychology as a Natural Science (5) NW
Behavior from a biological-science viewpoint. Emphasizes sensation and perception, brain and behavior, evolution and animal behavior. Includes related aspects of cognition, behavior disorders, states of awareness, motivation and emotion, learning, development and research methods.

200 Comparative Animal Behavior (5) NW
Research methods and findings of comparative animal behavior and their importance to an understanding of human behavior; rationale for study of behavioral differences and similarities between animal species; behavior viewed as part of the adaptation of each species to its natural habitat. Prerequisite: 101 or 102 or BIOL 101 or BIOL 202 or BIOL 203.

201 Human Performance Enhancement (5) I&S
Applications of psychological theories, research and intervention strategies to performance enhancement in a variety of life settings. Self-regulation models and techniques; stress and emotional control; attention control and time management; goal setting; memory enhancement; communication and interpersonal conflict resolution. Participation in various psychological training procedures. Prerequisite: 101 or 102.

205 Introduction to Personality and Individual Differences (4) I&S
Overview of the major theories, research findings, and applications in the scientific study of personality. Research methods and approaches to measuring personality variables are also covered. Prerequisite: 101 or 102. Also offered through distance learning; see pages 168-172 for details.

209 Fundamentals of Psychological Research (4)
Psychological research methodology and techniques. Topics include the logic of hypothesis testing, experimental design, research strategies and techniques, fundamentals of scientific writing, search and evaluation of research literature in psychology, and ethical issues in psychological research. Required for all psychology majors. Prerequisite: 101 or 102. Also offered through distance learning; see pages 168-172 for details.

210 Human Sexuality (5) I&S
Broad survey of biological, psychological and social determinants of human sexuality and sexual behavior. Topics include cultural diversity, sexual development (physical and psychological), sexual health, reproduction (pregnancy, contraception, abortion), development of sex, gender and orientation, adult sexual bonding, sexual abuse and assault.

213 Elementary Psychological Statistics (6) QSR
Statistics for psychological research. Elementary probability theory, hypothesis testing and estimation. Satisfies the statistics requirement for majors registered in the Psychology Bachelor of Arts degree program. Prerequisites: 209; MATH 111 or MATH 120. Also offered through distance learning; see pages 168-172 for details.

222 Survey of Physiological Psychology (4) NW
The nervous system and how it works. Learning, memory, sleep, the senses and the emotions. For students who do not intend to specialize in physiological psychology. Prerequisite: 101 or 102.

231W Laboratory in Human Performance (4) I&S
Selected aspects of human learning, perception and performance. Prerequisites: 209; 213 or 217.

\*a term: June 22-July 22; b term: July 23-Aug. 21; No symbol: full term June 22-Aug. 21
See page 8 for key to symbols and abbreviations. Courses listed are subject to revision.
232W Laboratory in Animal Learning (4) NW
Selected aspects of animal learning emphasizing behavioral experiments with the rat. Prerequisite: 209; 213 or 217.

233W Laboratory in Animal Behavior (5) NW
Experience with a variety of animal species and experimental procedures and instrumentation. Prerequisites: 209; 213 or 217; 220.

257 Psychology of Gender (5) I&S
Major psychological theories of sex-role development; biological and environmental influences that determine and maintain sex differences in behavior; roles in children, sex differences in aggression, cognitive abilities, achievement motivation, affiliation and sexuality. Recommended: 101 or 102 or WOMEN 200. Offered jointly with WOMEN 257.

305 Abnormal Psychology (5) I&S
An overview of major categories of psychopathology, including description and classification, theoretical models and recent research on etiology and treatment. Prerequisite: 10 credits in psychology including 101 or 102. Also offered through distance learning; see pages 168-172 for details.

306 Developmental Psychology (5) I&S
Analysis of child development in relation to biological, physical and social interaction conditions from infancy to adolescence. Prerequisite: 101 or 102. Also offered through distance learning; see pages 168-172 for details.

322 Introduction to Drugs and Behavior (3) NW
Basic concepts of drug action emphasizing the behavioral consequences of the intake of a variety of drugs. Prerequisite: 222. Also offered through distance learning; see pages 168-172 for details.

333 Sensory and Perceptual Processes (4) NW
Perception and processing by each of the senses, with emphasis on behavioral studies and their relationship to underlying structure. Prerequisite: 101 or 102.

345 Social Psychology (5) I&S
Effects of the social environment upon the formation of individual attitudes, values and beliefs, and upon individual and group behavior; major theoretical approaches; field and experimental research findings. Prerequisite: 101 or 102. Also offered through distance learning; see pages 168-172 for details.

355 Survey of Cognitive Psychology (5) I&S
Current theory and research in perception, attention, memory and learning, attitudes, thinking and decision-making, and language. For student who wants a survey or intends to do additional work in any of the above content areas. Prerequisite: introductory psychology course, 101 or 102. Also offered through distance learning; see pages 168-172 for details.

357 Psychobiology of Women (5) NW
Physiological and psychological aspects of women's lives; determinants of biological sex; physiological and psychological events of puberty and menopause; sexuality; contraception, pregnancy, childbirth and lactation; role of culture in determining psychological response to physiological events. Recommended: 257 or WOMEN 257. Offered jointly with WOMEN 357.

400 Learning (5) I&S/NW
Experimental research and basic theories primarily in animal learning. Prerequisite: 101 or 102.

414 Cognitive Development (4) I&S
Key theoretical approaches to cognitive development from infancy through adolescence. Sensorimotor development, language development, imitation, number concepts, logical reasoning, memory, cognition in adolescents, intelligence and the role of biology, environment and experience. Prerequisite: 209 and 306.

417W Human Behavior as a Natural Science (5) I&S/NW
Evolution of human social behavior and the adaptive significance of communication systems from a sociobiological and anthropological perspective. Prerequisite: 200, or BIO A 201, or BIOL 202 and BIOL 203.

419W Behavioral Studies of Zoo Animals (4, max. 8) NW
Observational studies of behavior of zoo animals to expand basic knowledge of animal behavior and research methodology, with discussions and tours focusing on zoo philosophy operations. Offered in cooperation with Woodland Park Zoo. Prerequisite: 200 or BIO A 201, or BIOL 202 and BIOL 203.

421 Neural Basis of Behavior (5) NW
Anatomical and physiological principles and resultant behavior involved in the integrative action of the nervous system. 431 recommended but not required to follow 421. Prerequisite: 101 or 102.

452 Psychology of the Self-Concept (4) I&S
Examines psychological theory and research on the role of the self-concept in regulating behavior. Topics include the development of the self-concept; self-awareness; and self-esteem maintenance. Prerequisites: 345.

462 Human Memory (5) I&S
Current theoretical and experimental literature. Prerequisite: 209.

489 Clinical Psychology (3) I&S
Basic issues, methods, and research; professional issues, psychological assessment, and approaches to psychotherapy and behavioral change. Prerequisite: 205 or 305.

490 Stress Management (3) I&S/NW
Nature of stress. Physiological responses to stress and relaxation. Techniques of stress management with training in relaxation, biofeedback, meditation, cognitive restructuring, exercise, nutrition, interpersonal communication skills and time management. Prerequisites: 101 or 102 or equivalent. Credit/no credit only.

496 Undergraduate Teaching Experiences in Psychology (2-3, max. 6)
Students are trained as assistants in quiz sections, or as supplemental tutors for undergraduate psychology courses. Designed especially for those students planning graduate work or education certification. An overall maximum of 18 credits in 496, 497, 498 and 499 may apply toward a baccalaureate degree. Prerequisites: junior or senior major standing and permission of instructor.

497 Undergraduate Fieldwork (1-3, max. 18)
Individual consultation with faculty member and supervised practicum experience in a broad range of community settings and agencies dealing with psychological problems. An overall maximum of 18 credits in 496, 497, 498, and 499 may apply toward a baccalaureate degree. Prerequisite: junior or senior major standing and permission of instructor.

498 Directed Reading in Psychology (1-3, max. 18)
Readings in special interest areas under supervision of departmental faculty. Discussion of reading ing in conference with the instructor. An overall maximum of 18 credits in 496, 497, 498 and 499 may apply toward a baccalaureate degree. Prerequisite: permission of a supervising psychology faculty member.

499 Undergraduate Research (1-3, max. 18)
Design and completion of individual research projects. An overall maximum of 18 credits in 496, 497, 498 and 499 may apply toward a baccalaureate degree. Prerequisites: 213 or 217, and permission of a supervising psychology faculty member.
515 Modeling Experimental and Observational Data (4)
An introduction to statistical modeling; interactive data analyses; use of regression, ANOVA, logistic regression and log-linear models in explanatory studies. Prerequisite: 514.

586 Clinical Personality Assessment (3)
Use of objective personality inventories in the description of normal and abnormal personality, and use of such information in conceptualization and treatment planning. Minnesota Multiphasic Personality Inventory, Million Clinical Multiaxial Inventory. Prerequisite: clinical psychology graduate standing.

589 Advanced Clinical Practicum (4)
Supervised psychotherapy involving several individual clients. Separate consultations with instructor for intensive supervision of each case. Occasional meetings in small groups of instructors and students to discuss case material. Assigned readings appropriate to each case, with opportunities to discuss these with instructor. Prerequisite: clinical psychology graduate standing and permission of instructor. Credit/no credit only.

593 Clinic Practicum (1-6, max. 24)
Required of all clinical psychology graduate students seeing clients in the clinic. Clinical colloquium required of all second-year students, optional for others. Limited to clinical psychology graduate students.

597 Field Work in Clinical Psychology (1-5, max. 36)
Section A is graded; section B is credit/no credit only.

598 Directed Reading in Psychology (1-3, max. 18)
Selected topics. Prerequisite: permission of a supervising psychology faculty member.

599 Directed Research in Psychology (1-3, max. 24)
Supervised participation in research. Prerequisite: permission of supervising psychology faculty member. Credit/no credit only.

Courses by special arrangement
Undergraduate Research, Independent Study or Research, Master's Thesis, Doctoral Dissertation

Courses through distance learning
To register for these UW credit courses offered through distance learning, see pages 168-172 (registration by STAR is not available):
- PSYCH C101 (W) Psychology as a Social Science (5)
- PSYCH C205 (W) Introduction to Personality and Individual Differences (5)
- PSYCH C209 (W) Fundamentals of Psychological Research (4)
- PSYCH C213 Elementary Psychological Statistics (6)
- PSYCH C305 (W) Abnormal Psychology (5)
- PSYCH C306 (W) Developmental Psychology (5)
- PSYCH C322 Introduction to Drugs and Behavior (3)
- PSYCH C345 (W) Social Psychology (5)
- PSYCH C355 (W) Survey of Cognitive Psychology (5)
- PSYCH C415 Cognitive Development (5)
- PSYCH C209 (W) Fundamentals of Psychological Research (4)
- PSYCH C213 Elementary Psychological Statistics (6)
- PSYCH C305 (W) Abnormal Psychology (5)
- PSYCH C306 (W) Developmental Psychology (5)
- PSYCH C322 Introduction to Drugs and Behavior (3)
- PSYCH C345 (W) Social Psychology (5)
- PSYCH C355 (W) Survey of Cognitive Psychology (5)
- PSYCH C415 Cognitive Development (5)

101-102A Elementary (5, 5)
Intensive. Methods and objectives are primarily oral-aural. Oral practice in the language laboratory is required. Students are advised not to register for more than three additional credits each term. Prerequisite for 102: 101 or college equivalent, or placement.

103A Elementary (5)
Methods and objectives are primarily oral-aural. Oral practice in the language laboratory is required. Prerequisite: 102 or equivalent, or placement.

134 Intensive Elementary French (15)
This course is the equivalent of 101, 102 and 103. The four skills—listening, speaking, reading and writing—are stressed in a primarily oral-aural method of presentation. The course covers all major elements of French grammar. Conducted in French; language laboratory required in addition to daily class sessions.

201A, 202A Intermediate (5, 5) VLPA
Intensive. Systematic review of French grammar. Intensive practice in writing and conversation. Readings in literature, culture and the sciences. Prerequisite: 103 or college equivalent, or placement for 201; 201 or college equivalent or placement for 202.

203A Intermediate (5) VLPA
Systematic review of French grammar. Intensive practice in writing and conversation. Readings in literature, culture and the sciences. Prerequisite: 202 or college equivalent or placement.

301, 301W, 302WA Advanced French (5, 5) VLPA
Prerequisite: 203 or college equivalent, or placement for 301; 301 or college equivalent, or placement for 302.

352A French Realism and Its Filmic Representation (5) VLPA
A study of the cinematic reception of such Realist novels as The Red and the Black, Madame Bovary, and Germinal, among others, with particular attention to the relation between literary narratives and film plot, between novelistic conventions and their translation into cinematic imagery and language. Course conducted in English.

455A Baudelaire's Paris (5) VLPA
A study of Baudelaire's representation of Parisian life in Les Fleurs du mal and Le Spleen de Paris. We will examine such motifs as the dandy, the flaneur, the crowd, and the passer-by, as well as their significance in defining the experience of modernity. Course conducted in French.

- a term: June 22-July 22  A b term: July 23-Aug. 21 No symbol: full term June 22-Aug. 21
See page 8 for key to symbols and abbreviations. Courses listed are subject to revision.
French Translation (5)
Translation between French and English involving study of grammatical problems, active and passive competence, and use of gender, voices, tenses and moods. Various translation approaches will be explored and texts will be both literary and commercial.

Italian (ITAL)
101∥102A Elementary (5, 5)
Methods and objectives are primarily oral-aural. Language laboratory is required. Prerequisite: 101 or college equivalent or placement for 102.

134 Intensive First-Year Italian (15)
An intensive language course equivalent to 101, 102, 103, designed for highly motivated students. Not open for credit to students who have taken 102 and 103.

Courses by special arrangement
Special Topics, Special Seminar and Conference, Independent Study or Research, Supervised Study

Portuguese (PORT)
101∥102A Elementary I, II (5, 5)
Intensive Brazilian Portuguese for Spanish speakers. A year’s worth of grammar is covered in these courses, concentrating on structures which are different from Spanish. Methods and objectives are oral-aural and written. Prerequisite: at least two years of college Spanish.

Spanish (SPAN)
101∥102A Elementary (5, 5)
Intensive. Students are advised not to register for more than three additional credits each term. Prerequisite for 102: 101 or college equivalent, or placement.

103+ Elementary (5)
Methods and objectives are primarily oral-aural. Language laboratory is required. Prerequisite: 102 or college equivalent or placement for 103.

110 Basic Spanish Review (5)
Covers the equivalent of 101 and 102 to prepare for 103. May not be taken in addition to 101 or 102. Prerequisite: two years of high school Spanish and placement below 103 on exam.

134 Intensive First-Year Spanish (15)
Equivalent of 121, 122, 123. Not open for credit to students who have taken 121, 122, 123 or 101, 102, 103. (Offered Summer Quarter only.)

485A Cultural Studies of Latin America (5) VLPA/I&S
Interdisciplinary exploration of connections among culture, identity, and power, and among popular, mass, and elite cultures in one or more regions of Latin America. Specific topics vary, but may include such problems as tradition, modernity, and postmodernism or national and resistance cultures. Offered jointly with ISLSA 485.

491+ Individual Authors and Special Topics in Spanish Literature (5, max. 10) VLPA
A. The Spanish Picassosque Novel
Prerequisites: 303, 321, plus one additional 300-level course above 303.

Courses by special arrangement
Special Topics, Special Seminar and Conference, Independent Study or Research, Supervised Study

Courses through distance learning
To register for these UW credit courses offered through distance learning, see pages 168-172 (registration by STAR is not available):

- SPAN C101, C102 and C103 Elementary Spanish (5 credits per course)

Scandinavian Studies
318 Rait Hall, Box 353420
Telephone: 543-0645

Scandinavian Studies courses are classified as:
- Scandinavian courses in English
- Scandinavian
- Finnish
- Norwegian
- Swedish

The Scandinavian Summer Institute offers intensive Finnish, Norwegian, and Swedish during a and b terms. Four courses in English are also offered: The Vikings, (SCAND 370, a term); Sami Culture and Identity in Scandinavia (SCAND 490, a term); Introduction to Folklore (SCAND 230 b term); and Sagas of the Vikings (SCAND 270, b term).

Students interested in summer programs in Scandinavia may contact the Office of International Programs and Exchanges, 516 Schmitz Hall, Box 355815, 543-9272.
**Scandinavian Courses in English (SCAND)**

**230A Introduction to Folklore (5) VLPA/15**
Comprehensive overview of the field of folkloristics, focusing on verbal genres, customs, belief and material culture. Particular attention to the issues of community, identity and ethnicity. Offered jointly with C LIT 230.

**270A Sagas of the Vikings (5) VLPA**
Icelandic sagas and poetry about Vikings in the context of 13th century society.

**370+ The Vikings (5) VLPA/15**
Vikings at home in Scandinavia and abroad, with particular emphasis on their activities as revealed in archeological finds and in historical and literary sources. Offered jointly with HISTAM 370.

**490+ Special Topics (1-5, max. 15)**

- **A. Sami Culture and Identity in Scandinavia (5)**
  Comprehensive overview of Sami (Lapp) cultural identity through literary and oral traditions; the role of Sami today in European/Scandinavian political and intellectual life.

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**Swedish (SWED)**

**150 Intensive First-Year Swedish (15)**

**Slavic Languages and Literatures (SLAVC)**

**M253 Smith Hall, Box 353580**
**Telephone: 543-6848**
**Email: slavicl@u.washington.edu**
**weber.u.washington.edu/~slavweb**

Slavic Languages and Literatures courses are offered in:
- Hungarian
- Russian
- Slavic (Directed Study or Research)

The Department of Slavic Languages and Literatures offers intensive Russian at all levels (first-through fourth-year), and intensive elementary Czech. The department sponsors the Russian House, where students live in a Russian-speaking environment. Applications for the Russian House are available from the department.

For information on the Russian Language Program in St. Petersburg (for selected participants only), contact the Office of International Programs and Exchanges, 516 Schmitt Hall, Box 355815, 543-9272.

**Courses by special arrangement**

- **Independent Study or Research, Master's Thesis, Doctoral Dissertation**

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**Czech (CZECH)**

**401, 402, 403 Elementary Czech (5,5,5)**
Emphasizes conversation and basics of Czech grammar and vocabulary. Students develop fluency in expressing themselves in everyday situations.

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**Russian (RUSS)**

Place: While students may enroll for whatever language level seems appropriate, placement in a language course is determined by their score on a diagnostic test administered at the beginning of the quarter. The Russian Program reserves the right to place students in a higher or lower course, according to the test results.

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**Finnish (FINN)**

**150 Intensive First-Year Finnish (15)**

**Courses by special arrangement**

- **Independent Study or Research, Doctoral Dissertation**

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**Norwegian (NORW)**

**150 Intensive First-Year Norwegian (15)**
Credit note: Credit is not allowed for overlapping courses in two sequences (e.g., a student may receive a maximum of 15 credits for 101, 102, 103 and 150). Credit is allowed for courses in different sequences, though, if the courses are taken in progressively more advanced order (e.g., 150 followed by 201).

150 Intensive First-Year Russian (15)
Equivalent to 101, 102, 103 in one quarter. Emphasis is on developing proficiency in all language skills. The intensive approach allows for rapid development of proficiency. See credit note above.

250 Intensive Second-Year Russian (15) VLPA
Equivalent to 201, 202, 203 in one quarter. Covers all the basic grammar of Russian. Extensive written and oral practice. Prerequisite: 103, 150, or permission of instructor. See credit note above.

350 Intensive Third-Year Russian (15) VLPA
Equivalent to 301, 302, 303 in one quarter. Recommended for those who want an intensive grammar review and to increase their facility in contemporary written and spoken Russian significantly. Prerequisite: 203, 250, or permission of instructor. See credit note above.

450 Intensive Fourth-Year Russian (15) VLPA
Equivalent to 401, 402, 403 in one quarter. Intensive practice in conversation, composition, grammar and reading. Prerequisite: 303, 350, or permission of instructor. See credit note at beginning of listing of Russian courses.

Courses by special arrangement
Senior Honors Thesis, Directed Study or Research, Independent Study or Research

Sociology (SOC)
210 Savery Hall, Box 353340
Telephone: 543-5396

The Department of Sociology offers a full range of courses comparable in scope and variety to those taught in other quarters. Three of this summer’s courses may serve as an introduction to the field: 110, 240 and 271. Upper-division courses focus on specific topics of interest to students. Population and Society (SOC 331) and Sociology of Culture (SOC 481) are offered through the UW Evening Degree Program. See page 83 for details.

110 Survey of Sociology (5) I&S
Human interaction, social institutions, social stratification, socialization, deviance, social control, social and cultural change. Course content may vary, depending upon instructor. Also offered through distance learning; see pages 168-172 for details.

270 Social Problems (5) I&S
Processes of social and personal disorganization and reorganization in relation to poverty, crime, suicide, family disorganization, mental disorders and similar social problems.

271 Introduction to the Sociology of Deviance (5) I&S
Examination of deviance, deviant behavior and social control. Deviance as a social process; types of deviant behavior (e.g., suicide, mental illness, drug use, crime, sexual deviance, delinquency); theories of deviance and deviant behavior; nature and social organization of societal reactions; and social and legal policy issues. Also offered through distance learning; see pages 168-172 for details.

275, 275A Murder (5) I&S
Introduces topics related to the crime of murder, including laws of homicide, research on the characteristics of victims, killers, and murderers, theories of murder and related violence, investigation strategies, and crime control policies. Offered jointly with SO JU 275.

328, 329A Methodology of Sociological Research (5, 5) I&S, QSR
Logic of formulating, testing and modifying hypotheses. Methods of producing social data (survey research, evaluation research, field observation) and utilizing stored data (census tapes, historical materials). Methods of quantitative data analysis techniques commonly used in contemporary sociological analysis. Not open for credit to students who have taken 320 or 323. Prerequisite: at least two prior courses in sociology.

340 Symbolic Interaction (5) I&S
Role of language and culture in changing the human organism into a socialized human being; interpersonal processes and how they are shaped by the symbolic environment. Prerequisite: introductory course in social psychology or permission of instructor.

352 The Family (5) I&S
The family as a social institution. Historical changes and societal variation in family patterns. Changes over the life cycle. Alternative family forms. Also offered through distance learning; see pages 168-172 for details.

356A Society and Politics (5) I&S
Causes of political change in democratic countries, including public opinion, social movements, interest group activity, and party organization. Offered jointly with POL S 356.

362 Race Relations (5) I&S
Interracial contacts and conflicts.

See the Time Schedule section, pages 91-137, for class dates and times. See the Quick Reference Guide to Quarter Deadlines, pages 138-139, for important dates and deadlines.
462 Comparative Race and Ethnic Relations (5) I&S
Race and ethnicity as factors of social differentiation in a number of Western and non-Western societies in Europe, Africa, Asia and the Americas.

472, 472+ Juvenile Delinquency (5) I&S
Factors in delinquency, juvenile courts. Programs of treatment and prevention.

473 Corrections (5) I&S
Analyzes research on diversionary methods and treatment of convicted offenders. Emphasis on program evaluation. Community treatment, fines, restitution; probation, parole, halfway houses, and other alternatives to incarceration; correctional institutions. Organization of state federal systems. Problems of administration. Subsides and governmental control. Planning and public participation. Prerequisites: 371 or 372; recommended: 329. Offered jointly with SO JU 473.

481 Issues in Analytic Sociology (5, max. 15) I&S
A. Gangs (5)
The focus of this course is literature on youth violence and gangs. Students will have the opportunity to examine existing programs and reports in the state. They will discuss gang and youth violence issues with representatives from city and state governments, the Division of Juvenile Rehabilitation, the Seattle Police Department and University of Washington faculty. Films and documents that target issues of youth violence and gangs will also be studied.

B. Politics of Sexuality (5)
This course will examine the intersection of sexuality and politics in contemporary life. Why have previously private issues regarding sexuality recently entered the political arena? Numerous substantive issues will be discussed throughout the course: homosexuality, abortion, sexual harassment, teenage sexuality, censorship, and more. Students will explore the historical context, social movements, and nuances of public opinion relating to these issues. The course will emphasize methods and statistics, with each student conducting original research. Prerequisites: 328 and 329.

Courses by special arrangement

Independent Study or Research, Internship, Master's Thesis, Doctoral Dissertation

Courses through distance learning
To register for these UW credit courses offered through distance learning, see pages 168-172 (registration by STAR is not available):
- SOC C110 Survey of Sociology (5)
- SOC C271 (W) Introduction to the Sociology of Deviance (5)
- SOC C352 The Family (5)
- SOC C371 (W) Criminology (5)

Speech Communication (SP CMU)
205 Raft Hall, Box 353415
Telephone: 543-4860

The Department of Speech Communication offers courses at all levels, undergraduate and graduate, and provides a program of advanced and professional training for graduate students pursuing a degree program, and for teachers and others seeking specialized work in the field.

Of special interest to language arts teachers is Oral Interpretation of Children's Literature (341). Persons interested in business-related topics may wish to consider 301 and 474.

102 Speech, the Individual and Society (5) VLPA/1&S
Provides a basic understanding of human speech communication. Covers three major areas: (1) the nature of human communication, including models, principles, settings; (2) elements of verbal and nonverbal communication; and (3) approaches to and functions of human communication, including persuasion, interpersonal communication, argument, propaganda, free speech. Also offered through distance learning; see pages 168-172 for details.

103+ 103 Interpersonal Communication (5) VLPA/1&S
Emphasizes analyzing and understanding communication variables affecting human relationships, such as person perception, feedback, idea development, nonverbal cues. Focus on informal communication settings.

220+ 220 Introduction to Public Speaking (5) VLPA/1&S
Emphasizes choice and organization of material, sound reasoning, audience analysis, oral style and delivery. Overview of history of rhetoric. Classroom speeches followed by conferences with instructor. One section of SP CMU 220 is offered in the evening full term. SP CMU 220 is also offered through distance learning; see pages 168-172 for details.

301 Interviewing (5) VLPA/1&S
Interviewing principles and practices, with emphasis on information gathering and persuasive interviews. Purposes and types of interviews, structure of interviews and influence of communication patterns on interview outcomes.

308 Humanistic Approaches to Interpersonal Communication (5) VLPA
Exploration of several humanistic approaches to interpersonal speech communication, emphasizing the theorists' philosophical orientations.

334 Essentials of Argument (5) VLPA/1&S
Argument as a technique in the investigation of social problems; evidence, proof refutation, persuasion; training in argumentative speaking.

341+ Oral Interpretation of Children's Literature (3) VLPA

440+ Oral Interpretation of Poetry (3) VLPA
Study forms of verse through analysis and oral presentation.

* a term: June 22-July 22  ▲ b term: July 23-Aug. 21 No symbol: full term June 22-Aug. 21
See page 8 for key to symbols and abbreviations. Courses listed are subject to revision.
474 Communication, Conflict and Cooperation (5) VLPA/I&S
Role of communication in resolving informal conflicts, and in facilitating interpersonal and intergroup cooperation. Review of empirical literature. In-class simulations and exercises.

482* Interpersonal Communication in Virtual Relationships and Communities (5) VLPA/I&S
Examination of relationships and groups formed through computer-mediated interpersonal communication. Focus on how people manage interactions and identities, develop interpersonal relationships, engage in collaboration and conflict, and develop communities in virtual environments. Involves both the study and use of network-based computer-mediated systems.

Courses by special arrangement
Undergraduate Research, Media Internship, Independent Study or Research, Master's Thesis, Doctoral Dissertation

Courses through distance learning
To register for these UW credit courses offered through distance learning, see pages 168-172 (registration by STAR is not available):
- SP CMU C102 Speech, the Individual and Society (5)
- SP CMU C220 Introduction to Public Speaking (5)

Speech and Hearing Sciences (SPHSC)
202 Eagleson Hall, Box 354875
Telephone: 685-7402
email: sphsadv@u.washington.edu

The Department of Speech and Hearing Sciences provides opportunities for study to professionals in the community allied with the many helping professions, undergraduate B.S. students and graduate M.S. and Ph.D. students. This area of study explores the normal aspects of language, speech production and audition, as well as the nature and treatment of disorders of language, articulation, voice, fluency and hearing. Issues pertaining to both children and adults are covered.

Professionals from related fields as well as practicing speech-language pathologists and audiologists will find many of the offerings beneficial. In addition, some offerings are appropriate for consumers of speech-language pathology or audiology services, or for their friends and family members. Offerings include special courses not usually available during the academic year, as well as courses from the department's core curriculum.

The department is accredited in both speech-language pathology and audiology by the Educational Standards Board of the American Speech-Language-Hearing Association (ASHA).

100 Voice and Articulation Improvement (3) VLPA
For native speakers of English only. Voice production and the sound system of standard American speech. Speech standards, regional and social dialects, voice quality and basic language-oriented characteristics. Practice for improving speech style.

111, 111† The American English Sound System (2, max. 4)
For persons for whom English is not the primary language. Speech sounds of American English. Practice in listening and using American phonetic features. Prerequisite: college-level reading knowledge of English. Credit/no credit only.

308W Social-Cultural Aspects of Communication (3) I&S
Introduction to human communication in context. Exploration of ways communication is influenced by context, including situational variables, social/interpersonal relationships, and culture. Students gain skills in observing a variety of communication behaviors in different contexts. Required for majors; open to non-majors. Dr. Lesley Olsong

391 Practicum in Audiology (2, max. 10)
Guided experiences in audiological assessment and aural rehabilitation of children and adults. Credit/no credit only. Prerequisite: permission of instructor. Dr. Sue Sanborn.

406 Treatment of Speech and Language Disorders (3) NW
Principles and procedures for planning, implementing and evaluating treatment for speech and language disorders. Required for majors. Prerequisites: 405 or permission of instructor. Ellen Hickey

445 Models of Speech Processing (3) NW
Examines models and basic issues concerning how spoken language is processed. Current issues, theories, and research relative to the levels of processing entailed in producing and comprehending speech. Prerequisites: 302, 303, 320, and 425, or permission of adviser. Dr. Margaret Rogers.

449 Special Studies in Speech Pathology and Audiology (*)
A. Communication in Context: Understanding Disablement (2)
July 13-17 Have you ever wondered how your clients, or their families, view disabilities, and how this view might impact the success of your assessment and treatment? This special summer offering will present a disablement viewpoint for assessing and treating individuals with communication disorders. Disablement refers to how a client interprets his/her impairments from a personal and societal perspective. The course will examine how a person is impacted physically and emotionally by a disorder, how the person chooses to adjust and cope with the disorder, and how he/she interacts with society and societal pressures. Participants will learn how to assess and treat within this disablement framework. Specific techniques will be introduced and applied to disorders that occur across the life span (developmental vs. acquired; acute vs. chronic). Ideas for documenting change to demonstrate accountability and obtain reimbursement will be discussed. This course will appeal to students and professionals in many disciplines that are concerned with communication, including speech pathology, psychology, nursing, rehabilitation medicine, special education and social work. Dr. Lesley Olsong

B. Neuroanatomy and Neurologic Disorders Across the Lifespan (4)
June 23-August 22 This course covers basic neuroanatomy in the context of disseminating information about a variety of neurologic disorders affecting communication and cognition. Relevant information concerning the neuropathology, etiology and management of these disorders will be discussed. Information concerning both congenital and acquired disorders will be examined relative to the neural system impaired by the disease. Diffuse disorders such as traumatic brain injury and dementia will be discussed, as well as more focal pathologies such as stroke-related disorders. Congenital disorders such as cerebral palsy, autism and pervasive developmental disorders will also be discussed. Students from a wide variety of health care and education professions should benefit from this survey course by gaining basic knowledge of neuroanatomy in the context of learning about a variety of neurologic disorders affecting individuals across the lifespan. Dr. Margaret Rogers

For speech and hearing undergraduate students, this course will satisfy neuroanatomy requirements for applications to graduate programs.

C. An Overview of Communication Disorders for People in the Helping Profession (4)
June 23-July 23 This broad overview will be especially useful for professionals working in the many helping/therapeutic occupations including, but not limited to, psychology, psychiatry, social work, education, medicine, nursing, gerontology and physical/occupational therapy. This course will provide a synopsis of human communication and its disorders across the life span.

See the Time Schedule section, pages 91-137, for class dates and times.
See the Quick Reference Guide to Quarter Deadlines, pages 138-139, for important dates and deadlines.
Normal processes of speech, language, and hearing will be considered with examples of disordered processes of communication in both children and adults. Treatment and assessment will be described. Dr. Robert Carpenter

Professionals, if you prefer, register for section CB, which is graded on a credit/no credit basis, or for section CA, which is graded on a numerical (4.0=A, 3.7=A-, etc.) basis. Undergraduate students who wish to use this course to fulfill graduation requirements, and speech and hearing sciences majors should register for the graded section, CA, only.

453 Augmentative and Alternative Communication: Implementation Strategies (3) NW

Offered through distance learning, this course provides an overview of augmentative communication approaches appropriate for children and adults with severe communication disorders. For complete details, see box on this page.

542+ Counseling and Interactive Skills for Speech-Language Pathologists and Audiologists (2)

July 13-17 Introduction to counseling theory and practice in speech-language pathology, audiology and related fields. Provides opportunities for learning and practicing counseling skills. Addresses key counseling issues, including professional boundaries, intense emotions, and counselors' feelings and reactions. Dr. Judy Stone-Goldman

551 Advanced Practicum in Speech Pathology Evaluation (1-9, max. 10)
  AA, AB, UW Speech and Hearing Clinic (4).
  AC. Reading Disabilities (4)
  B. Center on Human Development and Disability-CHDD (4)
  Prerequisites: 536 and permission for all sections.

552 Advanced Practicum in Speech Pathology Evaluation (1-9)
  A. Clinical Processes
  B. Child Language I, II
  C. Stuttering
  D. Advanced Adult Speech Disorders
  E. Advanced Articulation Disorders
  F. Neurogenic Disorders I, II
  G. Voice Disorders
  Permission required for all sections.

555 Preinternship (1-9)

Practicum in speech pathology or audiology designed to teach the clinical regimen of a participating professional center prior to assuming a full internship assignment. Prerequisites: 150 hours of supervised practicum and entry code.

573 Physiologic Assessment of Auditory Function (4)

Consideration of physiologic techniques that may be used to evaluate the normal and disordered auditory system. Outside laboratory required. Prerequisite: 461 and 571 or permission of instructor. Dr. Richard Felson

581 Management of Hearing-Impaired Children (3)

Management of hearing-impaired children, including identification of target behaviors and methods for modification such as individualized therapy programs and parent and teacher involvement. Dr. Connie Syapin.

583 Hearing Aid Selection (4)

Consideration of strategies utilized in selecting acoustic amplification for hearing impaired persons, including review of pertinent research literature. Outside laboratory required. Prerequisite: permission of instructor. Dr. Pam Souza

591 Advanced Practicum in Audiology (1-9, max. 10)
  B. Pediatric Assessment-CHDD
  C. Management of Hearing Loss
  D. General Assessment
  E. High Risk Infant Follow-up
  G. Outside Practicum
  H. ABR Assessment-Child
  I. ABR Assessment-Adult

Prerequisites: 40 hours of practicum and permission for all sections.

599 Research Practicum (*, max. 12)

Supervised laboratory experience in experimential approach to problems in speech and hearing sciences. Prerequisite: entry code.

Courses by special arrangement

Undergraduate Research, Independent Study or Research, Internship, Master's Thesis, Doctoral Dissertation
Statistics (STAT)
B313 Padelford Hall, Box 354322
Telephone: 543-7237

The Department of Statistics was established to coordinate teaching and research in statistics on the upper campus. During the summer, in addition to the instructional program, an active research program and seminar series are offered, featuring a number of eminent visiting professors as well as the regular faculty. For further information, contact the department.

220 Basic Statistics (5) NW, QSR
Objectives and pitfalls of statistical studies. Structure of data sets, histograms, means and standard deviations. Correlation and regression. Probability theory, binomial and normal. Interpretation of estimates, confidence intervals and significance tests. (Students may receive credit for only one of 220 and 311.) Prerequisite: one and one-half years of high school algebra. Also offered through distance learning; see pages 168-172 for details.

311 Elements of Statistical Methods (5) NW, QSR
Elementary concepts of probability and sampling, the binomial and normal distributions. Basic concepts of hypothesis testing, estimation and confidence intervals, t-tests and chi-square tests. Linear regression theory and the analysis of variance. (Students may receive credit for only one of 220 and 311.) Meets with ECON 311. Prerequisite: MATH 111 or 120. Also offered through distance learning; see pages 168-172 for details.

390 Probability and Statistics in Engineering and Science (4) NW
Concepts of probability and statistics. Conditional probability, independence, random variables, distribution functions. Descriptive statistics, transformations, sampling errors, confidence intervals, least squares and maximum likelihood. Exploratory data analysis and interactive computing. Not open for credit to students who have taken 481. Offered jointly with MATH 390. Prerequisites: MATH 524 or 507, and MATH 205 or 308.

394 Probability I (3) NW
Sample spaces; basic axioms of probability; combinatorial probability; conditional probability and independence; binomial, Poisson and normal distributions. Offered jointly with MATH 394. Prerequisite: MATH 324.

395 Probability II (3) NW
Random variables; expectation and variance; laws of large numbers; normal approximation and other limit theorems; multidimensional distributions and transformations. Prerequisite: 394. Offered jointly with MATH 395.

578 Special Topics in Advanced Biostatistics (*, max. 3)
Advanced-level topics in biostatistics offered by regular and visiting faculty members. Prerequisite: permission of instructor. Offered jointly with BIOST 578.

599 Statistical Consulting (*, max. 12)
Consulting experience in data analysis, applied statistics. The student is required to provide consulting services to students and faculty. Prerequisites: permission of graduate adviser, entry code. Credit/no credit only.

Courses by special arrangement
Independent Study or Research, Master's Thesis, Doctoral Dissertation

Courses through distance learning
To register for these UW credit courses offered through distance learning, see pages 168-172 (registration by STAR is not available):
- STAT C220 Basic Statistics (5)
- STAT C311 Elements of Statistical Methods (5)

Women Studies (WOMEN)
B110K Padelford Hall, Box 354345
Telephone: 543-6900

Women Studies is an interdisciplinary department that offers the opportunity for critical and theoretical study of gender across national contexts. This summer, a variety of popular courses are being offered. All courses count toward the Bachelor of Arts degree in women studies.

200 Introduction to Women Studies (5) I&S
Feminist analysis of the construction and enforcement of gender differences and gender inequalities in various contexts. Emphasis on the intersection of race, class, sexuality, and nationality in the lives of women. Topics include feminist theory, motherhood, popular culture, sexual autonomy, racism, and activism in the United States, Asia, Latin America.

205 Introduction to Global Perspectives (5) I&S
Introduction to basic concepts of gender, race-ethnicity, class, nation, and sexuality. Topics include international women's histories, comparative women's movements, activism and resistance, feminists' perspectives of global politics and economy, issues of violence, and consideration of women and human rights.

206 Philosophy of Feminism (5) I&S
Philosophical analysis of the concepts and assumptions central to feminism. Theoretical positions within the feminist movement; view of the ideal society, goals and strategies of the movement, intersections of the sex/gender system with other systems of oppression. Offered jointly with PHIL 206/POL 212.

257 Psychology of Gender (5) I&S
Major psychological theories of sex-role development; biological and environmental influences that determine and maintain sex differences in behavior; sex roles in children, sex differences in aggression, cognitive abilities, achievement motivation, affiliation, sexuality. Offered jointly with PSYCH 257.

310 Women and the Law (5) I&S
Examines how law addresses women, how the courts have made attempts to address women of color, poor women, lesbians, and women with disabilities. Topics include constitutional construction of equality, sexual orientation, reproductive rights, regulation of sexuality, families and motherhood, sexual harassment, violence against women and international human rights.

322 Race, Class and Gender (5) I&S
The intersection of race, class and gender in the lives of women of color in the United States from historical and contemporary perspectives. Topics include racism, classism, sexism, activism, sexuality, and inter-racial dynamics between women of color groups. Offered jointly with AES 322.

357 Psychobiology of Women (5) NW
Physiological and psychological aspects of women's lives; determinants of biological sex; physiological and psychological events of puberty and menopause; sexuality; contraception; pregnancy, childbirth and lactation; role of culture, biology, and psychology in determining the psychological response to physiological events. Offered jointly with PSYCH 357.

383 Social History of American Women (5) I&S
A multi-racial, multicultural study of women in the U.S. from the 16th century to the present: an emphasis on women's unpaid work, participation in the paid labor force, charitable and reform activities, and feminist movements of the 19th and 20th centuries. Use of primary materials such as diaries, letters, speeches and artifacts. Recommended: 200 or 283 or HSTAA 201. Offered jointly with HSTAA 373.
415 Gender and Education (5) I&S
Gender bias, discrimination and gender equity efforts in K-12 and higher education. Includes material on the curriculum, instructional materials, testing, counseling, teaching, athletics, teacher education, educational employment issues and sexual harassment. Also addressed are relevant federal and state laws, court decisions, and strategies for promoting gender equity in education. Recommended: 200 or SOC 110. Offered jointly with EDC&I 440.

454 Women, Words, Music and Change (5) VLPA/I&S
Comparative analysis of use of myths, tales, music and other forms of expressive culture to account for, reinforce, and change women's status and roles; cross-cultural analysis of planned change and development. Recommended: 353. Offered jointly with ANTH 454.

487 Anthropology of Mass Media and Gender (5) I&S
Introduces students to current debates surrounding the relationship between global forms of mass media and cultural construction of gender. Special emphasis is placed on broadcast media such as film and television both in the United States and throughout the world. Offered jointly with ANTH 487.

501 Cross Disciplinary Feminist Theory (5)
Focuses on social constructionism, addressing some of its theoretical tensions. Students examine whether persons act solely as a result of their socialization, or have independent agency. Most theorists emphasize that people or agents can affect social forces but, at the same time, are affected by social forces. We will investigate where and how to develop understandings of subjects which are socially constructed, but also have capacity to function as agents for social change. Offered jointly with POL S 401.

Courses by special arrangement
Undergraduate Research, Fieldwork in Women Studies

Course through distance learning
To register for this UW credit course offered through distance learning, see pages 168-172 (registration by STAR is not available):
- WOMEN C489 Ethnicity, Gender and Media (5)

Zoology (ZOOL)
106 Kincaid Hall, Box 351800 Telephone: 543-1620
Courses offered for nonmajors include BIOL 100 and ZOOL 118 and 119. Opportunities for research and graduate instruction in marine biology are offered at Friday Harbor Laboratories in the San Juan Islands. For information and a bulletin, write: Director, Friday Harbor Laboratories, 620 University Road, Friday Harbor, WA 98250. Also see Biology, page 19.

118 Survey of Physiology (5) NW
Human physiology, for nonmajors and health sciences students.

119 Elementary Physiology Laboratory (1) NW
Optional laboratory experiments designed to accompany 118. Prerequisite: 118 (may be taken concurrently).

301 Introductory Physiology (5) NW
Fundamentals of physiology: biochemistry of cell constituents, environments of the cell, bioenergetics, membranes, control mechanisms. Prerequisite: introductory biology, chemistry, and physics.

302 Introductory Physiology Laboratory (5) NW
Student-initiated research projects, experimental design and techniques, data analysis, written reports. Prerequisite: 301 which may be taken concurrently.

330 Natural History of Marine Invertebrates (5) NW
Field and laboratory course emphasizing the habitats, habitats, adaptations and interrelationships of marine animals. Students may be required to share a portion of the transportation costs of field trips.

444 Entomology (3) NW
Biology of terrestrial arthropods, with emphasis on insects. Structure, classification, physiology and ecology of insects. Interrelationships of insects and man. Prerequisite: 15 credits in biological sciences or permission of instructor.

445 Entomology Lab (2) NW
Structure and function of arthropods, with emphasis on insects. Field studies and taxonomy of important insect groups. Students may be required to share a portion of the transportation costs of field trips. Prerequisites: concurrent registration in 444 and permission of instructor.

451 Vertebrate Zoology (5) NW
Integrated exploration of the biology of vertebrate animals, emphasizing their diversity, adaptations, life styles and evolutionary history. Introduces aspects of behavior, psychology, morphology and ecology that emerge from the comparative study of vertebrates. Laboratory includes local field trips, films and writing workshop. Students may be required to share a portion of the transportation costs of field trips. Prerequisites: BIOL 201, 202, 203.

498 Special Problems in Zoology (1-5, max. 15)
Prerequisite: entry code.

Courses by special arrangement
Independent Study or Research, Master's Thesis, Doctoral Dissertation
School of Business Administration

Graduate Program Office
110 Mackenzie Hall, Box 353200
Telephone: 543-4600

Undergraduate Program Office
137 Mackenzie Hall, Box 353200
Telephone: 543-4350

Registration priority in business administration courses (200-level courses excepted) during Summer Quarter is given to University of Washington business majors. Other students can be accommodated on a space-available basis only. Consult the Undergraduate Program Office for courses numbered 300 and 400; consult the Graduate Program Office for courses numbered 300 and 600. Business courses offered through the Evening Degree Program are listed on pages 83-84.

Accounting (ACCTG)

The notation "Accounting" will be included on the permanent record or transcript of a student who graduates with a Bachelor of Arts in Business Administration and completes the following courses with a cumulative GPA of at least 2.00: ACCTG 301, 302, 311, 330, 411, 421, and six elective credits in 400-level accounting courses, except 401 and 499. Students who have completed ACCTG 505 may not apply to the accounting concentration.

Also see pages 83-84 for details about accounting courses offered through the UW Evening Degree Program.

215 Introduction to Accounting and Financial Reporting (5)
Nature and social setting of accounting; uses of accounting information; introduction to basic accounting concepts and procedures; interpretation of financial statements. Prerequisite: sophomore standing.

225 Fundamentals of Managerial Accounting (5)
Analysis and evaluation of accounting information as part of the managerial process of planning, decision-making and control. Concentrates on information useful to enterprise managers. Prerequisite: 215, ECON 200.

301 Intermediate Accounting I (3)
Concepts and principles of financial accounting. Analysis of controversies and problems related to measurement of enterprise income. Prerequisites: 225 and admission to accounting major.

303 Intermediate Accounting III (3)
Continuation of 302. Prerequisites: 302 and admission to accounting major.

311 Cost Accounting (3)
Introduction to theory of cost accounting; job order, process and standard cost systems; overhead accounting; problems in accumulation and allocation of costs; decision-making with cost data. Prerequisite: 301.

330 Introduction to Accounting Information Systems (3)
Concepts of accounting information systems in organizations. Process of analyzing and designing accounting information systems, with emphasis on those using computer facilities. Internal controls and auditing considerations. Prerequisites: 302 and 1 S 300.

371 Auditing or Industrial Internship (2)
One quarter's internship with a certified public accounting firm, industrial organization, or government agency. Credit/no credit only. Prerequisite: prior departmental approval.

411 Auditing Standards and Principles (3)
Intensive introduction to the attest function in society today. The environment, the process and the report of the public auditor are analyzed. Potential extensions of the attest function are examined. Prerequisites: 303, 311 and 330.

421 Tax Effects of Business Decisions (3)
Issues in taxation, including tax considerations in business decision making, tax effects of business transactions, taxation of compensation, fringe benefits, capital gains, fixed asset transactions, disposition of business distribution from corporations. Prerequisites: 303 or permission of undergraduate office.

450 Business Taxation (3)
Issues of taxation for entities other than individuals, including corporations, sub-chapter S corporations, partnerships, estates and trusts. Includes corporate distributions, liquidations and reorganizations. Prerequisite: 421.

451 Individual Income Taxation (3)
Political, economic, and social forces influencing federal income taxation, role of taxation in personal decisions. Coverage of individual income tax matters, including business and investment income, business and personal deductions, property transactions and tax issues of employees. Prerequisite: 421.

460 Advanced Cost Accounting (3)
Advanced analysis of cost and management accounting problems; special applications of cost accounting techniques for management planning and control; current developments in cost accounting. Prerequisite: 311.

480 Accounting for Not-for-Profit Organizations (3)
Fund and budgetary accounting as applied to public sector organizations, such as governments, foundations, hospitals and colleges. Prerequisite: 303.

Courses by special arrangement
Undergraduate Research, Independent Study or Research

Courses through distance learning
To register for these UW credit courses offered through distance learning, see pages 168-172 (registration by STAR is not available):

- ACCTG C210 Introduction to Accounting (3)
- ACCTG C220 Fundamentals of Financial Accounting (3)
- ACCTG C320 Fundamentals of Managerial Accounting (3)
Business Administration (BA)

Course by special arrangement

Doctoral Dissertation

Business Communications (B CMU)

Also see page 84 for details about Business Reports and Other Specialized Communications (B CMU 410) offered through the UW Evening Degree Program.

301 Basic Written Business Communications (4)

Broad analytical approach to written communications as a management tool. Analysis of the psychology, semantics, planning and principles of effective business writing. Practical application through messages that inform and persuade, grant and refuse, plus short business reports and applications for positions. Prerequisite: junior standing or above; BA and ACCTG majors only Period I; add code Period III.

Course by special arrangement

To register for this UW credit course offered through distance learning, see pages 168-172 (registration by STAR is not available):
• B CMU C301 Basic Written Business Communications (4)

Business Economics (B ECN)

300 Managerial Economics (3)

Analysis of economic factors affecting decisions made by business firms. Demand and cost analysis and alternative policies from the firm's point of view. Prerequisites: ECON 200 and admission to business administration or permission.

Courses by special arrangement

Undergraduate Research, Independent Study or Research

Business Policy (B POL)

470 Business Policy (4)

Policy making and administration from a general management point of view. Emphasis on problem analysis, the decision making process, administration and control, and continuous reappraisal of policies and objectives; integrates and builds upon the work of the core curriculum. Prerequisites: admission to business administration, senior standing or above; and FIN 350, MKTG 301, OPMT 301 and HRMOB 400, or permission of undergraduate office.

Human Resources Management and Organizational Behavior (HRMOB)

300 The Management of Organizational Behavior (4)

Behavioral aspects of management in organizations, with emphasis on leadership, motivation, communication, conflict resolution, group dynamics and organization development. Prerequisite: admission to business administration or permission of the undergraduate office.

450 Leadership and Decision Making (4)

The manager as leader and decision maker. Various leadership theories, styles and behaviors. Decision-making models and techniques. Prerequisite: junior standing.

460 Negotiations (4)

The art and science of negotiations, with the goal of making students more effective negotiators in a variety of business situations, such as budget negotiations, buying and selling, contracts, and merger negotiations. Concept and skill development. Prerequisite: junior standing.

470 Motivation and Performance (4)

Different strategies for influencing employee motivation and performance are reviewed. Included are reward systems, goal setting procedures, and various techniques to enlarge and enrich one's job. The effects of these formal and informal strategies on job attitudes are examined. Prerequisite: junior standing or above.

Courses by special arrangement

Undergraduate Research, Independent Study or Research

Information Systems (IS)

300 Introduction to Information Systems (5)

Fundamentals of information systems, what they are, how they affect organizations. Technical and organizational foundations of information systems, building information systems, managing information system resources. Laboratory emphasis using computers to analyze, coordinate, solve organizational decision making problems. Prerequisites: ACCTG 210, 220, 230, ECON 200, MATH 112 or 124 and QM 201 or equivalent.

Finance (FIN)

350 Business Finance (4)

Sources, uses, cost and control of funds in business enterprises. Internal management of working capital and income sources and cost of long-term funds; capital budgeting; financing of the growth and expansion of business enterprises; government regulation of the financial process. Prerequisites: B ECN 300 and admission to business administration or permission of undergraduate office.

453 Financial Theory and Analysis (4)

Business financial strategic planning. Topics include business valuation and financing, performance evaluation, risk analysis, capital budgeting, and inflation and taxes. Emphasizes tools with real-world applications while incorporating modern finance concepts. Prerequisites: 350, QMETH 201 and admission to business administration. Enrollment is open only to non-accounting seniors and above until May 25.

460 Investments (4)

Introduction to the nature, problems and process of evaluating particular securities and portfolio construction and administration. Special attention to the risk and rate of return aspects of particular securities portfolios and total wealth. Prerequisites: 350 and admission to business administration. Enrollment is open only to non-accounting seniors and above until May 25.

Courses by special arrangement

Undergraduate Research, Independent Study or Research

* a term: June 22-July 22  ▲ b term: July 23-Aug. 21  No symbol: fall term June 22-Aug. 21
See page 8 for key to symbols and abbreviations. Courses listed are subject to revision.
ACCOUNTING AND MANAGEMENT CERTIFICATE PROGRAMS

Certificate Program in Accounting

June 22-August 27
ACCTG 505, 10 credits
Participants earn a certificate in accounting after successfully completing this 10-week, 10-credit course of study. Accounting 505 covers all major topics in accounting beyond the introductory level.

Certificate Program in Administration and Management

June 22-August 20
ADMIN 510, 15 credits
Managers will benefit from this intensive nine-week, 15-credit program dealing with human resource management, marketing, organizational behavior, strategic planning, systems analysis and financial control. Taught by award-winning UW School of Business faculty.

These programs are offered through UW Extension. The application on the inside back cover of this bulletin is not applicable.

For more information about either program, request a brochure by calling (206) 543-2320 or 1-800-543-2320.

320 Fundamentals of Application Programming (4)
Fundamental programming concepts including data types, control structures, modularization and structured programming. Developing solutions for problems in interactive business applications. Introduction to data and file structures. Extensive use of an event-driven programming language. Prerequisites: 300 and junior standing or above.

460 Systems Analysis and Design I (4)
First course of a two-course sequence in analysis and design of business information systems. This course concentrates on analysis phase of systems development. Topics include systems development life cycle, the feasibility study, analysis of user requirements and the development of a logical model for the system under study. Prerequisites: 320 and junior standing or above.

480 Database Management (4)
Concepts of physical and logical database organization. Physical file structures used in data management. Logical data models, including hierarchical, network, relational. Database design, data dictionaries, data manipulation languages. Exercises in design, implementation and use of database systems. Survey of commercial database management systems. Prerequisites: 320 and junior standing.

495 Practical Experience in Information Systems (1-4, max. 4)
Information systems internships. Weekly status reports, internship value paper and project related to internship. Prerequisites: 300, 320, one 400-level course, and permission of the instructor.

Course by special arrangement
Undergraduate Research

International Business (I BUS)

300 The International Environment of Business (5)
Prepares students to understand the most important aspects of the international political economy. Emphasis on the important relationships among nations and business and economic institutions that influence students' performance as managers, consumers and citizens. Prerequisites: ECON 200, 201 and junior standing or above; BA and ACCTG majors only Period I; entry code Period III.

330 Business Environment in Developing Nations (4)
The international environment for transnational trade, investment and operations in the less-developed countries; survey of the economics of underdevelopment; analysis of foreign economic, cultural and political environments and their impact on international business; foreign investment in the development process; case studies. Prerequisites: 300 or equivalent and junior standing or above; BA, ACCTG and Jackson School majors Period I; entry code Period III.

470 Management of International Trade Operations (4)
Applicable for students interested in exporting and importing activities, but especially relevant to small companies. Emphasis on the management of import-export operations and the application of relevant functional tools. Cases and class projects are drawn from service companies, as well as from manufacturers. Prerequisites: 300 and senior standing or above; BA, ACCTG and Jackson School majors Period I; entry code Period III.

490 Special Topics in International Business (1-6, max. 12)
A. Doing Business in Asia (X)
U.S. companies are increasing their trade with and investment in China, Japan, South Korea, and the nations of Southeast Asia. This course builds student awareness and management skills using case studies focused on the strategies of selected companies in these countries, the problems they face, and the opportunities they have. Student presentations and case analysis are emphasized.

Courses by special arrangement
Undergraduate Research, Independent Study or Research

Course through distance learning
To register for this UW credit course offered through distance learning, see pages 168-172 (registration by STAR is not available):

- I BUS C300 The International Environment of Business (5)

Marketing (MKTG)

Also see page 84 for details about Marketing Concepts (MKTG 301) and Research for Marketing Decisions (MKTG 560) offered through the UW Evening Degree Program.

301, 301 Business Marketing Concepts (4)
Tools, factors and concepts used by management in planning, establishing policies and solving marketing problems. Marketing concepts, consumer demand and behavior, location analysis, marketing functions, institutions, channels, prices and public policy. Prerequisites: ECON 200 and junior standing. Open to nonmajors Summer Quarter only. BA and ACCTG majors Period I; entry code Period III.

335 Principles of Selling (4)
Focuses on role of influence and persuasion in professional selling and organizational settings. In addition to formal theoretical coursework in such areas as consumer behavior, negotiation, and

See the Time Schedule section, pages 91-137, for class dates and times.
See the Quick Reference Guide to Quarter Deadlines, pages 136-139, for important dates and deadlines.
communication, students practice sales skills in role plays. Presentations, and other exercises requiring practical application of selling theory. Prerequisites: 301, junior standing, and admission to business administration or permission of undergraduate office. BA and ACCTG majors Period I; entry code Period III.

340 Advertising (4)
Management of the advertising function and its integration with other forms of promotion. Planning the program, determining the most effective approach, evaluation of media and budget, advertising research, advertising institutions, economic and social aspects. Prerequisites: 301 and junior standing or above; BA and ACCTG majors Period I; entry code Period III.

370A Retailing (4)
Profit planning and business control; buying, stock control, pricing, promotion; store location, layout, organization, policies, systems; coordination of store activities. Prerequisites: 301 and junior standing or above; BA and ACCTG majors Period I; entry code Period III.

450 Consumer Behavior (4)
Theory and practice pertinent to marketing decisions of individuals and business firms; utilization of theories from behavioral sciences in marketing research; theories of fashion, characteristics of goods, shopping behavior, product differentiation, market segmentation and opinion leadership; application of concepts to management of advertising, personal selling, pricing and channels of distribution. Prerequisites: 301 and junior standing or above; BA and ACCTG majors Period I; entry code Period III. Recommended: Q METH 201.

490 Special Topics and Issues in Marketing (1-6, max. 8)
A. International Marketing
This course examines the impact of economic, political, legal, cultural and other environmental forces on international marketing. We will cover the full spectrum of marketing activities in the global context, including marketing intelligence, product planning, pricing, distribution, promotion and organization. Appropriate for students who wish to develop an understanding of the global impact of marketing and to embark on a career in multinational corporations. Prerequisite: 301 and at least one international related course (IBUS 300, SIS 200, 201, 202, ECON 370, 200).

499 Undergraduate Research (1-6, max. 9)
A. Independent Study (*)
Prerequisite: permission of the instructor, Mary Ann Quarton, MKZ 333.

B. Retail Management Practicum (2)
Normally taken after the required Retail Industry Experience, this course covers topics related specifically to retailing, including negotiations, merchandising presentation, leadership, promotional strategy and creative problem solving. Discussions and projects will prepare students to be candidates for management programs in established retail organizations. For retail management students only. Prerequisite: MKTG 301.

Courses by special arrangement
Undergraduate Research, Independent Study or Research

Courses through distance learning
To register for these UW credit courses offered through distance learning, see pages 168-172 (registration by STAR is not available):
- MKTG C301 Marketing Concepts (4)
- MKTG C340 Advertising (4)

Operations Management (OPMGT)

301 Principles of Operations Management (4)
Survey course which examines problems encountered in planning, operating and controlling the production of goods and services. Topics discussed include: waiting line management, quality assurance, production systems, project management and inventory management. Makes use of computer and quantitative models in formulating managerial problems. Prerequisites: QMETH 201; ACCTG 210, 220, 230, ECON 200, MATH 112 or 124 or equivalent.

Courses by special arrangement
Undergraduate Research, Independent Study or Research

Organization and Environment (O E)

200 Introduction to Law (5)
Legal institutions and processes; law as a system of social thought and behavior and a frame of order within which rival claims are resolved and compromised; legal reasoning; law as a process of protecting and facilitating voluntary arrangements in a business society. Prerequisite: sophomore standing or above. Taught with LAW 300.

302 Organization and Environment (4)
Political, social, legal environment of business. Critical managerial issues from historical, theoretical and ethical perspectives; their impact on the organization. Includes: corporate political power, boards of directors, capitalism, industrial policy, business ethics and social responsibility; alternative corporate roles in society. Prerequisite: admission to business administration or permission of undergraduate office.

403 Commercial Law (5)
Principles of the law of property, sales, negotiable instruments and security transactions. Prerequisites: 200, junior standing or above. Open only to UW business majors until June 21.

440 Organization Structure (3)
Concepts of formal organization structures, power, authority and influence; delegation and decentralization, strategic planning, decision making, philosophy and values in management, and the organization in the context of the environment and its impact on the organization's subsystems.

Undergraduate Research, Independent Study or Research

Course through distance learning
To register for this UW credit course offered through distance learning, see pages 168-172 (registration by STAR is not available):
- O E C200 Introduction to Law (5)

Quantitative Methods (QMETH)

201 Introduction to Statistical Methods (4) NW, QSR
Survey of principles of data analysis and their applications for management problems. Elementary techniques of classification, summarization and visual display of data are discussed. Applications of probability models for inference and decision making are illustrated through examples. Prerequisites: MATH 112 or 124 or equivalent, and sophomore standing or above.

520 Managerial Applications of Regression Models (4)
Data exploration and inference using regression models for business forecasting and management. Models include simple, multiple, logistic and non-linear regression; use of dummy variables, transformations, variable selection and diagnostics. Prerequisites: BA 500 or QMETH 500.

Courses by special arrangement
Undergraduate Research, Independent Study or Research
We've highlighted some areas you may find of interest:

**Science and Math Related Courses for Teachers**
- Mathematics for the Multicultural Mind (EDC&I 479A), page 61
- Seminar in Science Education: Elementary Emphasis (EDC&I 570), page 63
- Seminar in Science Education: Secondary Emphasis (EDC&I 571), page 63
- Forestry in Washington (F&M 400), page 71
- Mathematics for Elementary School Teachers (MATH 170), page 35
- Introduction to Modern Algebra for Teachers (MATH 411, 412), page 35
- Geometry for Teachers (MATH 444, 445), page 35
- Physical Science for Teachers and Physics for Teachers (PHYS 405, 407), page 41

**Other Content-area Courses for Educators**
This is a partial list of individual department offerings of interest to educators. Some special courses include:
- Introduction to Directing (DRAMA 460*), page 23
- Elementary Directing (DRAMA 461*), page 23
- Oral Interpretation of Children’s Literature (SPCMU 341*), page 49
- Interpersonal Communication in Virtual Relationships and Communities (SPCMU 482*), page 50
- Communicating in Context: Understanding Disability (SPHSC 449A), page 50
- An Overview of Communication Disorders for People in the Helping Profession (SPHSC 449C*), page 50
- Management of Hearing-Impaired Children (SPHSC 581), page 51

**Music Education Courses**
For a complete listing, see page 37.
- Marching Band Techniques (MUSED 405), page 37
- Introduction to African Marimbas in the Classroom (MUSED 475C), page 38
• Choral Repertoire (MUSED 496C), page 38
• Working with Community Musicians (MUSED 496H), page 38
• Real Music in School Music Programs (MUSED 496J), page 38

Summer Master's Program for Music Educators
The School of Music offers a master's degree program for music educators which may be completed entirely in the summer. For more information, call the School of Music, (206) 543-2726.

Multiethnic-Related Courses in Curriculum and Instruction
The area of Curriculum and Instruction in the College of Education offers a variety of multiethnic education courses this summer including:
• Multiethnic Curriculum and Instruction (EDC&I 424), page 61
• Mathematics for the Multicultural Mind (EDC&I 479A), page 61
• Education and Language Diversity (EDC&I 505B), page 62

For more information, please write to Curriculum and Instruction, University of Washington, 115 Miller Hall, Box 35360, Seattle, WA, 98195-3600; or call (206) 543-1847.

Puget Sound Writing Project
Make a difference in how your students write—July 13-August 7
A four-week, eight-credit collaborative learning experience for K-12 and community college educators who include writing in their curriculum for any content area and wish to be qualified as PSWP teacher/consultants. For details, see page 25.

School Education, School Reform and Civility
A summer institute for teachers, administrators and parents—June 28-July 2
Support the aim of ESHB 1209 by exploring a vision for public schools in which all children can move toward responsible citizenship, economic well-being and satisfying lives. This institute is appropriate for teachers and administrators who have an interest in including students with disabilities in the school reform movement, and developing civic behavior for all students. Parents of school age youth with and without disabilities are also invited to attend and offer their important perspectives.

Can We Talk? A modular, summer institute on learning to lead discussions
Designed for teachers, community activists and others who believe in the power of dialogue.

This institute, offered as three modules between July 6-11, features three successful methods for leading rigorous discussions. Each module is unique in perspective, approach, aim and assumptions:
• National Issues Forum—Leading Discussions of Public Controversies, July 6-7, $99
• Leading Socratic Seminars, July 8-9, $119
• Junior Great Books Basic Leader Training, July 10-11, $319

There is an additional $15 registration fee. Participants who wish to earn UW academic credit pay an additional $112. For complete details and a registration form for this program, offered through UW Extension, call (206) 543-2320.

UW Distance Learning
Earn credits toward continuing certification and endorsements without coming to campus
Washington state educators can earn an unlimited number of UW academic credits toward continuing certification and endorsements through distance learning. For a complete list of courses and registration information, see pages 168-172.

Two certificate programs, partly offered through distance learning, are also available (see page 74 for details):
• Certificate Program for the School Library Media Specialist
• Certificate Program in Teaching, Learning and Technology

Advanced Study Program for high school students
High-achieving, qualified high school students can enroll in credit courses and establish a UW transcript during the summer. Students must have completed their high school freshman year by June 30. For details, see page 144.

Resource Guide for K-12 Educators:
http://weber.u.washington.edu/~k12
College of Education:
http://www.educ.washington.edu/CoE/
UW Distance Learning:
http://www.edcultreach.washington.edu/dl
UW Bothell:
http://weber.u.washington.edu/~uwbothell
UW Tacoma:
http://www.tacoma.washington.edu
College of Education

Full- and a-term classes begin on June 22 unless otherwise noted.

The College of Education is dedicated to the improvement of education through the research and study of problems of teaching, learning, and educational policies. The College offers master and doctoral degrees, and professional certification programs in five major areas to prepare future teachers and school policymakers. In addition, the College maintains formal relationships with local school districts to identify research and service needs and provide field experiences for students.

The Summer Quarter program offered by the College of Education provides an opportunity for students and other educators to continue their education by enrolling in regular summer courses and special workshops. Classes and workshops are taught by college faculty and guest scholars from around the country.

The summer program consists of courses designed to meet requirements for teachers in the State of Washington and elsewhere, to provide continuing academic training for teachers in the basic subject-matter fields, to serve prospective and practicing school administrators and other specialized school personnel, and to lead to various advanced degrees in the field of education.

Students seeking to enter a College of Education degree program should consult the department for admission information at (206) 543-7833. Summer students who may wish to apply their coursework to a future graduate degree should read the Graduate nonmatriculated student section on page 140 of this bulletin.

Additional Information for Graduate Students
Students who seek admission to graduate programs are encouraged to contact the Office of Student Services, 206 Miller Hall, (206) 543-7834, edinfo@u.washington.edu, for application deadlines and program materials.

All graduate students working toward advanced degrees in the College of Education must have their summer class schedules approved by their faculty supervisors.

For complete details concerning graduate study, please refer to the current University of Washington General Catalog. 

See the Time Schedule section, pages 91-137, for class dates and times. See the Quick Reference Guide to Quarter Deadlines, pages 138-139, for important dates and deadlines.
EDC&I offers courses required or appropriate for various graduate programs as well as a range of innovative and challenging courses and workshops for the new and veteran teacher.

424 Multiethnic Curriculum and Instruction (3)

July 23-August 424
shops for the new and inservice teachers who innovative and various graduate programs as well as a range of

440 Gender Equity in Education (3)

June 22-July 22 Gender bias, discrimination, and gender equity efforts in education. Includes curriculum instruction, instructional materials, testing, counseling, athletics, teacher education, educational employment issues, and sexual harassment. Relevant federal and state laws, court decisions, and strategies for promoting gender equity are also addressed. Recommended: WOMEN 200 or SOC 110. Joint with WOMEN 415.

456 Workshop in Instructional Improvement: Language Arts (1-6, max. 15)

A. ESL Reading (3)

July 16-31 Provides reading and lecture material on reading techniques specifically suitable for students with limited English proficiency; focuses on both materials for use with LEP students and appropriate instructional strategies for teaching LEP students.

B. Ethnic Specific Literature K-12 (3)

July 28-31 Educators who want to broaden their knowledge of excellent literature written for children and young adults by authors of color will find this workshop invaluable. Participants will prepare a final project that may be taken directly into their particular academic setting. Joint with EDC&I 461.

457 Methods in Teaching English as a Second Language (3)

June 22-July 22 Prepares preservice and inservice teachers to teach English as a second language and to meet the educational and linguistic needs of students who have little or no English language skills. Emphasis on survey of first- and second-language acquisition research and its educational implications, as well as instructional strategies consistent with the audio-lingual, cognitive and creative construction approaches to second-language learning. Includes diagnostic-prescriptive strategies for classroom application.

461 Materials for Teaching Reading (3)

A. Ethnic Specific Literature K-12

July 20-31 Designed to provide acquaintance with materials used in the teaching of reading. Trade books and materials from content areas are examined. Prerequisite: one prior course in the teaching of reading.

473 Workshop in Instructional Improvement: Science (1-6, max. 15)

A. Secondary Science: EALR's and Assessment (3)

June 29-July 22 How can secondary science curriculum, instruction, and assessment be designed to satisfy the EALR's? This course takes a practical view of how teachers can tailor their classroom activities to the essential learnings.

B. World Wide Web for Middle/High School Teachers (3)

July 23-August 7 Using the World Wide Web for instruction, independent student inquiry, finding valuable curricular information, and creating your own Web pages. Based mostly on hands-on activity for those enrolled in this class.

479 Workshop in Instructional Improvement: Mathematics (1-6, max. 15)

A. Mathematics for the Multicultural Mind (5)

July 23-August 6 This is a workshop for practicing teachers and future teachers on how to view mathematics from a nontraditional perspective. A process-centered class, it will rely on hands-on activities, writing and detailed discussions on roots of mathematics in various cultures. The essential goals of this workshop are to be aware of and design world-centric curricula rather than the traditional Eurocentric kind. The projects generated will also describe how mathematics is an important and essential element in everyday thinking. The participants will also get a chance to learn about critical pedagogy.

480 Introduction to Graduate Study in Educational Technology (3)

June 22-July 22 Introduction to the theoretical and practical aspects of educational technology. Introduces the history, conceptual orientation, and research of the field. The practical application of theory and research through the procedures of instructional design and development are also examined.

See page 8 for key to symbols and abbreviations. Courses listed are subject to revision.
EDUCATIONAL LEADERSHIP INSTITUTE:
Examining the Transitions and Connections between K-12 and Higher Education

July 12-17 (one-week option)
July 13-24 (two-week option)
EDPS 609, 3 or 6 credits

What it means to be an educational leader in a complex state educational system will be examined during this institute, which will emphasize access to higher education. Statewide educational leaders and nationally known experts will discuss methods to build connections between K-12 schools and post-secondary institutions. Demographic projections and economic and employment forecasts related to access to higher education will be presented.

Who should attend
Administrators, educators, and current or potential leaders (K-12 through all types of post-secondary institutions).

This institute will be of particular benefit to those interested in educational leadership in a multicultural and increasingly pluralistic educational system.

See page 137 of the Time Schedule section for registration details.
For more information about the institute, request a brochure by calling (208) 543-2320 or 1-800-543-2320.

494 Workshop in Improvement of Curriculum (1-6, max. 15)
A. Integrating the Internet into Classroom Curriculum (3)
June 22-July 22 Students will learn to use the Internet mail, search and retrieval tools by jointly investigating research questions. Each will then design a classroom curriculum project incorporating telecommunications. Relevant ethical, legal, organizational and management issues will be discussed as students encounter them.

B. Education of Native Americans: Historical and Contemporary Perspectives (3)
June 22-July 6 The history of Native American education is a history of a struggle for power. Native communities fighting to retain or regain control over the education of their children. Presents an historic overview from native educational theory and practice in specific communities, to current educational research and issues in native communities. For complete details, see box on page 61.

C. Models for Curriculum Integration (3)
July 6-17 Individual- and team-guided development of integrated curricula, with a focus on inquiry, project, and problem-based models. Unit plans will result. All grade levels welcome.

495 Workshop in Improvement of Teaching: Selected Topics, Issues or Problems (1-6, max. 15)
A. ESL Materials, Assessment and Instruction (3)
July 16-31 Designed for teachers working with non- and limited-English-proficient students. Emphasis on the selection and adaptation of materials and resources, assessment techniques, and instructional methods for the bilingual/ESL classroom.

496 Workshop in Instructional Improvement (2-6, max. 6)
A. Visual Literacy in the Context of Media (3)
June 22-July 22 Images, from cave drawings to computer graphics, are used to convey information. Do you believe new technologies change the way we learn about our world? This class will investigate the answer by using media—from charcoal to computers—as we “look” at our perceptions.

U. Design and Authoring of Multimedia Instructional Programs for the Classroom (3)
June 22-July 22 Introduces the conceptual and practical foundations for creating instructional multimedia programs. Ample time is provided for hands-on practice planning and creating simple programs utilizing the basic text, graphics, animation, and digitized audio capabilities of Authorware Professional for Macintosh, an icon-based multimedia authoring tool. Participants have an opportunity to build their own small interactive application using Authorware.

505 Seminar in Curriculum and Instruction (1-3, max. 15)
A. Distance Learning, Design, and Development (3)
June 22-August 21 This seminar offers a practical opportunity for students to help create courses for a program in educational communication and technology to be offered via distance learning. The courses will be designed during the summer of 1998, and will be initially offered in autumn 1998. All aspects of the distance learning cycle will be explored. Specific assignments in support of the development effort will be individually arranged with the instructors.

B. Education and Language Diversity (3)
July 9-22 This course examines ways in which literacy is mediated through cultural practices. These cultural practices may be instantiated in families and institutional settings such as the school and community organizations. These cultural practices may also be instantiated through language use and speech acts, oral, text and media genres, literate modes of reasoning in domains such as literature, history, science and mathematics. Such modes of reasoning may be considered cognitive tools that are historically and culturally situated.

Readings in this mini-course will explore the socio-cultural contexts through which literacy is negotiated and constructed in families and schools, across several domains of knowledge—literary analysis, historical understanding, and mathematics. Educational implications of this way of conceptualizing literacy will be explored.

C. Classroom-Based Literacy Portfolio Assessment (3)
June 22-July 2 Portfolios have caught the attention of many educators, yet there is much confusion about what they are, why we should keep them, and how they can best be implemented and used. In this course, we will study the theoretical, pedagogical and practical aspects of designing and using portfolios to assess students’ reading and writing. Using actual samples of student work, we will study how to interpret student performance and to align evidence with curricular standards. We will discuss how to create and collect meaningful assessment/learning tasks that can become part of a portfolio, and how to involve students in self-reflection and self-assessment of their work.
### D. Curriculum Trends for School Leaders (2)

**June 29-July 2** Opportunity for school leaders to read, hear from experts, and discuss recent trends in the content areas and across the curriculum. Individual projects tailored to school leaders' current interests will cap the week's study. Joint with EDLPS 579B.

### 531 Seminar: Analysis of Reading Material (3)

**July 23-August 5** Students formulate and apply criteria for assessing materials, with emphasis on linguistic, cultural, and psychological factors; instruction effectiveness, interest level; and educational objectives. Prerequisites: teaching experience and one basic course in the teaching of reading.

### 532 Seminar in Research in Reading (3)

**A. Understanding Literary Research**

**June 22-July 22** Primary focus on those aspects of the reading process that are of concern in a developmental reading program. Emphasis is on research design, evaluation of research, and research findings dealing with factors influencing reading ability, problems in skill development and recreational reading. Coursework includes group and individual analysis of studies with attention to research design and measurement. Prerequisite: permission of instructor.

### 533 Seminar: Conducting Research in Reading (3, max. 6)

**A. Readings for Teachers: Adult Literature by Authors of Color (3)**

**July 6-17** This workshop will focus on teachers reading adult literature by authors of color. The class will use journals, literature circles, video tapes, with additional background information provided by instructor.

### 561 Seminar in Language Arts (3)

**A. Sociolinguistic Perspectives on Language Development**

**June 22-July 2** Readings for this class present a sociolinguistic perspective on both first and second language learning. The text is written for classroom teachers, and is an excellent resource for planning and enhancing literacy development.

### 570 Seminar in Science Education: Elementary Emphasis (3)

**June 29-July 22** Investigation of curriculum and instruction in science at elementary-school level, with particular emphasis on current literature and research. Prerequisite: 470 or equivalent. Joint with 571.

### 571 Seminar in Science Education: Secondary Emphasis (3)

**June 29-July 22** Investigation of curriculum and instruction in science at secondary-school levels, with particular emphasis on current literature and research. Prerequisite: 470 or equivalent. Joint with 570.

### Courses through distance learning

To register for these UW credit courses offered through distance learning, see pages 168-172 (registration by STAR is not available):

- **MATH C170 Math for Elementary School Teachers (3)**

#### Education (EDUC)

**700 Masters Thesis**

Prerequisites: permission of faculty adviser and graduate program coordinator.

**800 Doctoral Dissertation**

Prerequisites: permission of Supervisory Committee chairperson and graduate program coordinator.

#### Educational Leadership and Policy Studies (EDLPS)

**M204 Miller Hall, Box 353600**

**Telephone:** 543-4955

Provides graduate-level studies in social foundations, organizational and policy analysis, K-12 administration, and higher education. M.Ed., Ed.D., Ph.D., and/or K-12 administrative credential programs are offered.

**540 Sociology of Education (3)**

**June 22-July 22** Examination of education and educational institutions by using the major conceptual tools of sociology. Emphasis on sociological thought and findings that have particular bearing on the understandings and judgements of educators.

**552 Organizational Change in Education (3)**

**July 6-17** Change and innovation in educational organizations. Theoretical approaches include sociopsychological, rational planning, political perspectives, and those associated with notion of organized anarchies. Specific topics related to change and innovation (e.g., roles of beliefs, symbols and norms, diffusion of innovations, and research issues).

### CHALLENGES FROM THE RIGHT AND LEFT: Political Tensions in Education and Education Leadership

**July 27-August 7**

**EDLPS 579B: 3 credits**

An examination of the growing tension between liberal and conservative views of educational purposes, educational systems, and teaching practices, as this tension is manifested in the daily lives of practicing educators in public schools.

As a public institution serving a pluralistic society, public schools interact with parents, community groups, and other representatives of the public, who have strong and often conflicting views of what schools should be doing and what roles they should play in society. Educational leaders such as school principals and district officials, not to mention teachers, face difficult dilemmas in trying to manage and understand these conflicts. They must question where they sit personally and professionally on the spectrum of political perspectives on education, as well as how they collectively can respond to diverse viewpoints and construct a just way forward.

Drawing on case examples and readings, liberal and conservative observers of education, participate gainfully about their own views; understand more deeply the grounds for contrasting viewpoints on education, and develop ideas to address the tensions that arise in this respect.

See page 8 for key to symbols and abbreviations. Courses listed are subject to revision.
579 Special Topics in Organizational and Policy Analysis (3)

A. Creating the Learning Community: Rethinking American Education (3)

July 6-17 Since its inception, American education has been compartmentalized and isolated (community colleges, four-year colleges, K-12, early childhood, special education, adult and continuing education, and vocational education). The result has been the creation of an educational system that is incapable of addressing the needs of society and unresponsive to the needs of students it is supposed to serve. In this seminar, participants explore what it means to be a "learning community," and explore strategies for overcoming the systemic obstacles, cultural, economic, political, and organizational, that limit the ability to think differently. Students will discuss what it means to be educated, and methods to create conditions that make sound education. This course is appropriate for those who aspire to leadership positions and are interested in a new way of conceptualizing the purpose, role and structure of public education.

B. Curriculum Trends for School Leaders (2)

June 29-July 2 Opportunity for school leaders to read, hear from experts, and discuss recent trends in the content areas and across the curriculum. Individual projects tailored to school leaders' current interests will cap the week's study. Joint with EDC&I 505D.

C. Qualitative Program Evaluation (3)

June 22-26 Students will learn about creating a design and gathering information using qualitative data that would be appropriate for decision making contexts. In this week-long intensive course, students will be guided through all aspects of the design and implementation of a qualitative evaluation process. Students will learn the strengths and weaknesses of the qualitative approach to evaluation as compared to the more traditional view of evaluation.

D. Computers in Qualitative Data Analysis

August 3-7 This course covers the use of computers in qualitative research. Students will learn about the types of software available, how to select appropriate software, and how to use it. This will be an intensive week-long, hands-on course in which students will collect data, organize and input the data, and use the computer as an aid for accessing and ultimately analyzing the data.

E. Trends and Tools in Assessment for School Leaders (2)

June 29-July 2 Exploration of current issues in assessment, including models for classroom-based and large scale assessments, standards-based assessment, norm-referenced testing, and the interpretations of test scores. These issues and ideas will be explored in the context of the current Washington state assessment system: Comprehensive Tests of Basic Skills (grades 4 and 8), Curriculum Frameworks Assessment (grade 11), and Washington Assessment of Student Learning (grades 4, 7, and 10). Joint with EDPsy 584A.

F. Challenges From the Right and Left: Managing Political Tensions in Education and Education Leadership (3)

July 27-August 7 An examination of the growing tension between liberal and conservative views of educational purposes, educational systems, and schooling practices, as this tension is manifested in the daily lives of practicing educators in public schools. For complete details, see box on page 63.

598 Special Topics in Higher Education (3)

A. Higher Education Policy (3)

June 22-July 22 This course considers the influence of public policies and the public policy process on higher education. Characteristics of federal and state public policymaking processes for higher education will be covered, as well as major current policy problems and responses to them in each of these realms. Some attention will also be given to how institutions of higher education influence the policymaking process.

Educational Psychology (EDPSY)

312 Miller Hall, Box 353600
Telephone: 543-1139

When instructor permission is indicated, please call Jennifer Davis (EDPSY) at 616-6310.

490 Basic Educational Statistics (3)

June 29-August 21 This is a required prerequisite for courses in the graduate program in education. Measures of central tendency and variability, point and interval estimation, linear correlation, hypothesis testing. Entry code required.

501 Human Learning and Educational Practice (3)

July 23-August 21 This course is required and is a common prerequisite for courses in the graduate program in educational psychology. Systematic examination of current research about human learning and instructional psychology (including the study of motivation, human abilities and learning), the learning process and performance assessment. Prerequisite: permission of instructor and entry code.

566 Case Study Seminar (1, max. 4)

A. Continuing School Counseling Certification (1)

June 29-July 22 Integrates theoretical concepts with practice/service issues. Cases selected for discussion represent a wide range of problems and agency settings, including school and child problems. Entry code is required. Credit/no credit only.

B. Continuing School Psychology Certification (1)

June 29-July 22 Continuing Certification for School Psychologists. Concurrent registration in EDPsy 566C and entry code is required. Credit/no credit only.

C. Continuing School Psychology Certification (1)

June 29-July 22 Continuing Certification for School Psychologists. Concurrent registration in EDPsy 566B and entry code is required. Credit/no credit only.

581 Seminar in Educational Psychology (1-3, max. 15)

A. Creating Classroom Performance Assessments (3)

June 29-July 10 This course will help teachers develop strategies for creating high quality performance-based assessments for their classrooms. Credit/no credit only.

See the Time Schedule section, pages 91-137, for class dates and times.

See the Quick Reference Guide to Quarter Deadlines, pages 138-139, for important dates and deadlines.
**BA. Child and Adolescent Psychopathology in School Settings (3)**

*June 29-July 22*  This course will examine childhood and adolescent psychopathology, including symptomatology and treatment strategies, that affect classroom learning. This course is designed for school psychologists, counselors, and teachers working in school settings or with school populations. Prerequisite: advanced degree work in educational psychology and entry code. Credit/no credit only. Concurrent registration in EDPSY 581FA.

**D. Comprehensive School Counseling and Guidance (3)**

*June 29-July 16*  A critical examination of the state guidelines, their underlying assumptions and purposes. Guidelines consistent with the counseling philosophy and profession, which are realistically achievable within schools, will be covered. A review of the pertinent literature on the rules and functions of school counselors, along with the reform movements, will be used in examining the state guidelines and the proposed drafting of plans.

**E. Workshop on Drafting Comprehensive School Counseling and Guidance Programs (3)**

*July 20-August 6*  In this workshop, participants will learn and demonstrate skills in cultivating, planning and drafting comprehensive programs. Topics will include assessment of students’ needs, evaluating the resources available to school counselors, establishing goals and objectives, and programs and services.

**FA. Child and Adolescent Psychopathology in School Setting (2)**

*June 29-July 22*  This course will examine childhood and adolescent psychopathology, including symptomatology and treatment strategies, that affect classroom learning. This course is designed for school psychologists, counselors, and teachers working in school settings or with school populations. Prerequisite: advanced degree work in educational psychology and entry code. Credit/no credit only. Concurrent registration in EDPSY 581FA.

**584 Seminar in Quantitative Methods (3, max. 15)**

**A. Issues and Tools in Assessment for School Leaders (3)**

*June 29-July 2*  Exploration of current issues in assessment, including models for classroom-based and large scale assessments, standards-based assessment, norm-referenced testing, and the interpretations of test scores. These issues and ideas will be explored in the context of the current Washington state assessment system: Comprehensive Tests of Basic Skills (grades 4 and 8), Curriculum Frameworks Assessment (grade 11), and Washington Assessment of Student Learning (grades 4, 7, and 11). Joint with EDPSY 579E.

**591 Methods of Educational Research (3)**

*June 29-August 21*  Introduction to educational research. Primary focus on hypothesis development, experimental design, use of controls, data analysis and interpretation. Prerequisite: 490. Entry code required (312 Miller Hall).

**593 Experimental Design and Analysis (5)**

*June 22-August 21*  Experimental design with emphasis on the analysis of variance. Prerequisite: 490 or equivalent.

**Special Education (EDSPE)**

102 Miller Hall, Box 353600
Telephone: 543-1827 (V/TDD)

EDSPE courses are designed to meet the needs of both special education professionals and general education teachers who wish to better serve the students with disabilities in their classrooms.

**404 Exceptional Children (3)**

*June 22-July 22*  Atypical children studied from the point of view of the classroom teacher.

**419 Interventions for Families of Children with Disabilities (3)**

*June 22-July 22*  Upper-division course for professionals and paraprofessionals working with families of children with disabilities enrolled in special education or inclusive programs.

**496 Workshop in Special Education (1-10, max. 15)**

**A. Individual Topics (1-10)**

*June 22-August 21*  Demonstration, observation and/or participation with groups of children with disabilities in laboratory or controlled classroom settings. Prerequisite: permission of instructor and entry code (102 Miller Hall). Credit/no credit only.

**B. Inclusion (3)**

*June 22-July 22*  Provides students with information regarding the philosophy, instructional strategies and implementation resources of inclusive education. Questions addressed include: What is inclusive education? What are the impacts of inclusive education for general and special education teachers? What are some effective instructional strategies for inclusive education? Students analyze and discuss current articles on inclusive education, participate in cooperative learning activities, multi-level teaching role playing and other instructional strategies.

**CLASSES TO BETTER UNDERSTAND STUDENTS AND THEIR NEEDS**

**Seminar in Educational Psychology:**

**Child and Adolescent Psychopathology in School Settings**

*June 29-July 22*  EDPSY 581BA, 3 credits.

This course will examine childhood and adolescent psychopathology, including symptomatology and treatment strategies, that affect classroom learning. This course is designed for school psychologists, counselors, and teachers working in school settings or with school populations. Prerequisite: advanced degree work in educational psychology and entry code. Concurrent registration in 581FA. Credit/no credit only.

**Comprehensive School Counseling and Guidance**

*June 29-July 16*  EDPSY 5810, 3 credits

A critical examination of the state guidelines, their underlying assumptions and purposes. Guidelines consistent with the counseling philosophy and profession, which are realistically achievable within schools, will be covered. A review of the pertinent literature on the rules and functions of school counselors, along with the reform movements, will be used in examining the state guidelines and the proposed drafting of plans.
C. Techniques of Consultation and Collaboration in Special Education (3)
June 22-July 22 Focuses on the role of the special educator as a consultant or collaborator in inclusive classroom or resource setting. Specific strategies are covered to provide appropriate services for children with disabilities in general education settings. Cases generated by the class and instructor will be used to illustrate concepts.

D. Classroom Management (3)
July 23-August 21 Focuses on positive classroom management techniques and ways of effectively communicating with students, parents and school-site personnel. Teaching social skills and developing a classroom management style are also explored.

E. Cultural Diversity and Special Education (3)
July 23-August 21 Examines issues related to cultural diversity and special education. Overview of overrepresentation, possible explanations for overrepresentation, and related court cases are covered. Research and writing on learning styles, cultural discontinuity, racial identity and expectations are discussed, as well as programs which have demonstrated success working with diverse student populations.

F. Workshop in Special Education: Principles of Clinical Appraisal for Teachers of Exceptional Children (3)
June 22-July 22 Covers the appropriate selection of assessment instruments, the meaningful interpretation of the information for program decisions, and collaboration in using the data to design educational programs for students with special needs.

G. Techniques for Instructing: Social Behaviors for Elementary Students with Mild Disabilities (3)
June 22-July 22 This course offers specific techniques to help prospective teachers promote social competency in children. Ways to manage social behavior in elementary classrooms are examined. The course includes a study of the social, familial and school factors impacting behavior, and opportunities to develop and pilot individual and group instructional plans to promote positive social behaviors. Prospective teachers learn specific ways to analyze problem behaviors and develop plans for positive alternatives. Curricular materials teachers may use to implement the social instruction plans, and methods to evaluate the effectiveness of their efforts will also be covered.

H. Providing Preschool Programs for Children with Autism (3)
July 23-August 21 An overview of autism and pervasive developmental delay, and effective strategies to help young children with these diagnoses. Strengths of different disciplines (e.g., early childhood education, early childhood special education, and applied behavior analysis) are described to create programs that are effective and appropriate. Issues discussed include functional assessment and evaluation strategies, curricular issues, institutional strategies, the role of typical peers in programs for children with autism, and strategies to program for the generalization of behavior change.

I. Specific Literacy Techniques for Elementary Students with Mild Disabilities (3)
July 23-August 21 Emphasis on basic prereading and reading skills, such as phonics and structural analysis, specifically for students with special needs. Analysis of reading problems, published materials appropriate for children with disabilities, material modification, and emphasis on research findings about how students learn to read.

500 Field Study (1-6, max. 6)
Individual study of an educational problem in the field, under the direction of a faculty member. Prerequisite: approved plan of study, permission of instructor and entry code.

520 Seminar in Applied Special Education (1-12, max. 12)
A. Updates: New Developments in State and Federal Special Education Rules and Regulation (3)
July 23-August 21 New rules and regulations will be discussed, and direction will be provided about their implementation in school districts and individual classrooms. Monitoring procedures will also be described.

See the Time Schedule section, pages 91-137, for class dates and times.
See the Quick Reference Guide to Quarter Deadlines, pages 138-139, for important dates and deadlines.
B. Functional Behavioral Assessment (3)
July 23-August 21 The Individuals with Disabilities Education Act (IDEA) stipulates that the IEP team should consider strategies, including positive behavioral interventions and supports, for students with disabilities whose behavior impedes their learning or that of others. These interventions and supports should be identified via a functional behavioral assessment and incorporated into a functional behavioral assessment plan. This class will discuss 1) how to conduct a functional behavioral assessment using multiple assessment strategies in classroom settings, and 2) how to link the assessment results to interventions.

545 Instructional Modifications for Education of Children with Mild Disabilities (3)
June 22-July 22 In-depth analysis and application of several modifications of instructional techniques necessary for the education of students with mild disabilities.

599 Independent Studies in Education (*)
Independent studies or readings of specialized aspects of education. Registration must be accompanied by a study prospectus endorsed by the appropriate faculty adviser for the work proposed. Prerequisite: entity code.

600 Independent Study or Research (*)
Registration must be accompanied by a study prospectus endorsed by the appropriate faculty adviser for the work proposed. Prerequisite: entity code and permission of instructor.

601 Internship (*)
Prerequisites: Graduate standing and permission based on prearrangement of internship placement, approval of adviser and entity code.

Courses by special arrangement
Master’s Thesis, Doctoral Dissertation

Courses through distance learning
To register for these UW credit courses offered through distance learning, see pages 168-172 (registration by STAR is not available):
• REHAB C496/C530 Medical Aspects of Disability (3), a video course.

College of Engineering

With the exception of engineering college courses (ENGR), enrollment in College of Engineering courses during Summer Quarter usually consists of continuing University of Washington students who have been accepted into an engineering degree program. However, other students are encouraged to contact the departmental offices for possible registration on a space-available basis. Students seeking to enter an engineering degree program should consult the appropriate departmental office; each major program has its own admission policies, procedures and admission closing dates.

Aeronautics and Astronautics (A A)
206 Guggenheim Hall, Box 352400
Telephone: 543-1950

Courses by special arrangement
Special Projects, Independent Study or Research, Master’s Thesis, Doctoral Dissertation

Chemical Engineering (CHEM E)
105 Benson Hall, Box 351750
Telephone: 543-2250

Courses by special arrangement
Undergraduate Research, Independent Study or Research, Master’s Thesis, Doctoral Dissertation

Civil Engineering
201 More Hall, Box 352700
Telephone: 543-2390

Civil Engineering courses are classified as:
• Civil Engineering core courses
• Structural and Geotechnical Engineering and Mechanics
• Transportation, Surveying and Construction Engineering
• Environmental Engineering and Science

Civil Engineering Core Courses (CIVE)
380 Elementary Structures II (3)
Classification and idealization of structures. Theorem of virtual work. Unit load method of beams, frames and trusses. Matrix formulation of theorem of virtual work. Force method for statically determinate and indeterminate method. Moment distribution for beams and frames including sway analysis. Prerequisite: 379, civil engineering student status, or permission of instructor.

436 Foundation Design (3)

498 Special Topics in Engineering (1-5, max. 6)
A. Construction Automation and Robotics (3)
The general area of automation and robotic technology as applied in the construction industry is explored. Examples ranging from computer automation to computer-controlled machines are presented. General principles for developing new automation are introduced. Prerequisite: civil engineering majors only; senior or graduate student standing or special permission of instructor.

499 Special Projects (1-5, max. 6)
Individual undergraduate research projects. Maximum of six credits allowed toward an undergraduate degree. Prerequisite: permission of instructor.

Courses by special arrangement
Master’s Thesis, Doctoral Dissertation

Structural and Geotechnical Engineering and Mechanics (CESM)

599 Special Topics: Structures and Mechanics (2-5, max. 15)
Prerequisite: permission of instructor.

Course by special arrangement
Independent Study or Research

Transportation, Surveying and Construction Engineering (CETS)

599 Special Topics: Transportation, Construction and Geomatics (2-5, max. 15)
Prerequisite: permission of instructor.

Course by special arrangement
Independent Study or Research
Environmental Engineering and Science (CEWA)

599 Special Topics: Water and Air Resources (2-5, max. 15)
Prerequisite: permission of instructor.

Course by special arrangement
Independent Study or Research

Computer Science and Engineering (CSE)

114 Sieg Hall, Box 352350
Telephone: 543-1695

142 Computer Programming for Engineers and Scientists I (4) NW, QSR
Computer programming in high-level language. Algorithmics (variables, expressions, statements); abstraction (data types, subprograms, packages, generics); analysis (correctness, efficiency, numerics). Design and analysis: specification, coding, documentation, testing, debugging, evaluation. Using software tools. Not available for credit to those who have taken 210 or ENGR 141. Offered jointly with CSE 142.

143 Computer Programming for Engineers and Scientists II (5) NW, QSR
Topics include analyzing algorithms; using/writing standard software components (queues, stacks, tables) implemented by private types, generic packages, and dynamic data structures. During the last two weeks, students survey computer science topics. Not available for credit to students who have completed CSE 211. Prerequisite: ENGR/CSE 142.

461 Introduction to Computer-Communication Networks (3)

Courses by special arrangement
Reading and Research, Independent Study or Research, Master’s Thesis, Doctoral Dissertation

Electrical Engineering (E E)

215 Electrical Engineering Building, Box 352500
Telephone: 543-2150

233 Circuit Theory (5)

235 Continuous Time Linear Systems (4)
Introduction to continuous time signal analysis. Basic signals including impulses, pulses and unit steps. Periodic signals. Convolution of signals. Fourier series and transforms in continuous time. Computer laboratory. Prerequisites: PHYS 122, 132 and concurrent registration in MATH 307.

332 Devices and Circuits II (5)
Characteristics of bipolar transistors, large- and small-signal models for bipolar and field-effect transistors, linear circuit applications including low and high frequency analysis of differential amplifiers, current sources, gain stages and output stages, internal circuitry of op-amp, op-amp stability and compensation. Prerequisite: 331.

399 Special Projects in Electrical Engineering (1-5)
New and experimental approaches to current electrical engineering problems. May include design and construction projects. Prerequisite: permission of department.

416 Communications I: Random Signals (4)

442 Digital Signals and Filtering (3)

461 Introduction to Computer Networks (3)

472 Microcomputer Systems (5)
Concepts of multi-level machines and computer systems organization. Utilizing microprocessors, digital computer studied at assembly- and high-level languages with emphasis on concepts of central processor architecture, memory language, input/output and interrupts. Assembly language programming concepts applied to solution of various laboratory problems including I/O programming. Prerequisite: 471.

476 Digital Integrated Circuit Design (5)
Comprehensive view of digital integrated circuit design. Topics to be covered include the design of inverters, static logic circuits, switch logic and synchronous logic. Students design, simulate and layout a complete digital IC using modern computer-aided design tools. Prerequisites: 331 and 371.

478 Design of Computer Subsystems (5)
Design of digital computer subsystems and systems, using SSI, MSI and LSI digital components. Combinational logic, sequential logic, memory hardware designs, I/O hardware and interface design, system design steps, high-speed digital circuit design, noise reduction techniques, and hardware description language. One four-hour laboratory each week. Prerequisites: 331 and 472.

499 Special Projects (2-5, max. 10)
Assigned construction or design projects carried out under the supervision of the instructor. Prerequisite: permission of department.

518 Digital Signal Processing (4)
Digital representation of analog signals. Frequency domain and Z-transforms of digital signals and systems design of digital systems; IIR and FIR filter design techniques, fast Fourier transform algorithms. Sources of error in digital systems. Analysis of noise in digital systems. Prerequisites: knowledge of Fourier analysis techniques and graduate standing, or permission of instructor.

599 Selected Topics in Electrical Engineering (*)
Prerequisite: permission of instructor.

Courses by special arrangement
Independent Study or Research, Master’s Thesis, Doctoral Dissertation

See the Time Schedule section, pages 91-137, for class dates and times.
See the Quick Reference Guide to Quarter Deadlines, pages 138-139, for important dates and deadlines.
Engineering
(Loew Courses) (ENGR)
356 Loew Hall, Box 352180
Telephone: 543-8590

100 Introduction to Engineering Design (5) I&S
Introduction to design and communication principles through engineering project approach, stressing teamwork, design process, specialties and tools of engineering, creative and analytical thinking, professionalism and ethics, economic and political context, open-ended problems. Grading based on quality of engineering projects and presentation of design through written, oral, and graphical communication.

142 Computer Programming for Engineers and Scientists I (4) NW, QSR
Basic programming-in-the-small abilities and concepts. Highlights include procedural and functional abstraction with simple built-in data type manipulation. Basic abilities of writing, executing and debugging programs. Offered jointly with CSE 142. Not available for credit to students who have completed CSE 210 or ENGR 141.

170 Fundamentals of Materials Science (4) NW
Fundamental principles of structure and properties of materials utilized in the practice of engineering. Properties of materials are related to atomic, molecular, crystalline structure. Metals, ceramics, multiphase systems and polymeric materials. Relationships between structure and electrical, mechanical, thermal, chemical properties. Weekly hands-on laboratory session. For advanced freshman and sophomores. Prerequisite: CHEM 150 or permission of instructor.

199 Special Projects (1-3, max. 3)
Students propose problems to solve in an engineering faculty member. The problems may be selected from the student's own experiences and interests, from the interest of the faculty member, or from other sources, such as faculty or graduate students doing research projects, or from personnel in the physical medicine area, occupational therapy, hospital, industry, government, etc. Corroboration by an engineering faculty member is required. Prerequisite: instructor I.D. (Loew 356).

210 Engineering Statics (4) NW
Vector analysis applied to equilibrium of rigid body systems and subsystems. Force and moment resultants, free body diagrams, internal forces and friction. Analysis of basic structural and machine systems and components. Prerequisites: MATH 126, PHYS 121; recommended: graphics background.

220 Introduction to Mechanics of Materials (4) NW
Introduction to the concepts of stress, deformation and strain in solid materials. Development of basic relationships between loads, stresses and deflections of structural and machine elements such as rods, shafts and beams. Load-carrying capacity of elements under tension, compression, torsion, bending and shear forces. Prerequisite: 210.

230 Kinematics and Dynamics (4) NW
Kinematics of particles, systems of particles and rigid bodies; moving reference frames; kinetics of particles, systems of particles and rigid bodies; equilibrium, energy, linear momentum, angular momentum. Prerequisite: 210.

231 Introduction to Technical Writing (3)
Principles of organizing, developing and writing technical information. Report forms and rhetorical patterns common to scientific and technical disciplines. Technical writing conventions such as headings, illustrations, style and tone. Numerous written assignments required. Required for all engineering majors. Prerequisite: one five-credit composition course; all ESL required courses. Also offered through distance learning; see pages 168-172 for details.

260 Thermodynamics (4) NW
Introduction to the basic principles of thermodynamics from a macroscopic point of view. Emphasis is on the First and Second Laws and their applications to engineering devices and thermodynamic cycles. Problem solving methodology. Prerequisites: MATH 126, PHYS 121, and CHEM 140.

315 Probability and Statistics for Engineers (3) NW
Application of probability theory and statistics to engineering problems, distribution theory and discussion of particular distributions of interest in engineering, statistical estimation and data analysis. Illustrative statistical applications may include quality control, linear regression, analysis of variance and experimental design. Prerequisite: MATH 307.

321 Engineering Cooperative Education (2-, max. 16)
Engineering practicum; integration of classroom theory with on-the-job training. Periods of full-time work alternate with periods of full-time study. Open only to students who have been admitted to the Engineering Cooperative Education Program. Requires subsequent completion of ENGR 322 to obtain credit. Credit/no credit only. Prerequisite: entry code (Loew 353).

322 Engineering Cooperative Education Postwork Seminar (0)
Reporting and evaluation of co-op work experience, and discussion of current topics in engineering. To be taken during the first quarter in school following each work session. Prerequisite: entry code (Loew 353).

333 Advanced Technical Writing and Oral Presentation (4)
Emphasis on the presentation of technical information to various audiences. Style of writing required for proposals, reports and journal articles. Oral presentation principles, including use of visuals, as well as organizing and presenting an effective talk. Prerequisite: 231.

499 Special Projects in Engineering (1-3, max. 6)
Prerequisite: instructor I.D. (Loew 356).

499HA Special Projects in Engineering/Honors (1-3, max. 6)
Prerequisite: instructor I.D. (Loew 356).

Course through distance learning
To register for this UW credit course offered through distance learning, see pages 168-172 (registration by STAR is not available):

- ENGR C231 Introduction to Technical Writing (5)

Materials Science and Engineering (MSE)
302 Roberts Hall, Box 352120
Telephone: 543-2600

555 Biomimetics: Biologically Inspired Design and Processing of Materials (4)
How biological organisms produce materials with controlled structure, chemistry and hierarchy to attain physical properties far superior to traditional engineering materials. Fundamental biological building materials, their synthesis, and their self-assembly with emphasis on examples of soft and hard tissues.

Courses by special arrangement
College of Engineering

Mechanical Engineering (M E)
143 Mechanical Engineering Building,
Box 352600
Telephone: 685-0908

304 Manufacturing Processes (3)
Study of manufacturing processes, including relationships between the properties of the material, the manufacturing process and the design of component parts. Prerequisite: 354.

333 Introduction to Fluid Mechanics (4)
Introduction to the basic fluid laws and their application. Conservation equations, dynamic similarity, potential flow, boundary layer concept, effects of friction, compressible flow, fluid machinery, measurement techniques. Prerequisites: ENGR 260, MATH 307.

395 Introduction to Mechanical Design (4)
Design process and methodology; decision making; optimization techniques; project planning; engineering economics; probabilistic and statistical aspects of mechanical design; ethical and legal issues. Prerequisites: 352, 373, ENGR 123, 260, 315.

478 Finite Element Analysis (4)
Development of theory and concepts of finite element analysis. Applications in all areas of mechanical engineering, including mechanics of solids, heat transfer and design of dynamical systems. Weekly computer exercises. Prerequisites: 352, 374, and MATH 308 or AMATH 352.

495 Mechanical Engineering Design (4)
Design laboratory involving the identification and synthesis of engineering factors to plan and achieve specific project goals. Current literature and prerequisite texts are used as reference sources. Prerequisites: 331, 356, 374 and 395.

Courses by special arrangement
Special Projects, Independent Study or Research, Master's Thesis, Doctoral Dissertation

Technical Communication (T C)
14 Loew Hall, Box 352195
Telephone: 543-2567

495 Professional Practice (3-5, max. 10)
Supervised internship in a working publications organization approved by the faculty adviser. A minimum of one internship is required of students taking an interdisciplinary degree in technical communication. Prerequisite: 3.0 average in required TC courses, or permission of TC Admission and Academic Standards Committee. Credit/no credit only.

498 Special Topics: Portfolio Assessment (1)
This course is part of an ongoing writing assessment project in the College of Engineering. Prerequisite: admittance to the project.

Courses by special arrangement
Special Projects, Independent Study or Research, Master's Thesis

Course through distance learning
To register for this UW credit course offered through distance learning, see pages 168-172 (registration by STAR is not available):
- T C C401 Style in Scientific and Technical Writing (5)

- T C C500 Enrollment for Undergraduate Students (1-12)

College of Forest Resources
116 Anderson Hall, Box 352100
Telephone: 543-7081

The College of Forest Resources has expanded its offerings this summer, providing several courses of interest to summer-only students and to educators. A general introduction to the wide ranging field of forestry, including environmental issues, is presented in CFR 101 Forests and Society.

UHF 470 Urban Forest Landscapes focuses on a range of factors that differentiate urban forest landscapes along the urban to wildland gradient. ESC 350 Wildlife Biology and Conservation focuses on wildlife aspects and the interrelationships between wild animals and humans.

UHF 331 Landscape Plant Recognition covers cultivated plant nomenclature and field recognition of important groups of woody and herbaceous landscape plants.

F E 340 Plane Surveying is a theory and practice course which covers the proper use of a variety of survey instruments, and the appropriate techniques for data recording and presentation, including incorporation into GIS.

The Cascade Ecology Institute at Pack Forest was founded to provide field experience in three related areas of forest ecology. It is interdisciplinary in approach, with both formal and informal times to interact with the faculty and other students.

Courses by special arrangement
Special Projects, Independent Study or Research, Master's Thesis, Doctoral Dissertation

Technical Communication (T C)
14 Loew Hall, Box 352195
Telephone: 543-2567

Course options:
- Forest Ecosystems (ESC 322)
- Entomology (FM 435)
- Entomology Laboratory (FM 436)
- Ecology of Insects (ESC 451)
- Field Ornithology (ESC 452)

See the Time Schedule section, pages 91-137, for class dates and times.
See the Quick Reference Guide to Quarter Deadlines, pages 138-139, for important dates and deadlines.
Courses by special arrangement
Graduate Studies, Independent Study or Research, Master’s Thesis, Doctoral Dissertation

Ecosystem Science and Conservation (ESC)

350 Wildlife Biology and Conservation (4) NW
Wildlife ecology and population biology and interrelationships between wild animals and humans, including encouragement of wildlife population growth and productivity, control of pest populations, and preservation of endangered species, with emphasis on forest environments and forest faunas. Open to nonmajors. Prerequisite: junior standing.

412 Field Study of Wildland Soils (3) NW
Designed to give students experience in studying soils in remote areas where little information is available about the site. Class includes a field trip across the Cascade Mountains. The route crosses the Cascades just north of Glacier Peak. Prior to the field trip, students will discuss the hiking area, soil and ecosystem changes, wilderness use and other topics of interest.

490+/ Undergraduate Studies (1-5)
A. Field Studies of Old-Growth Forest Ecosystems (5)
June 21-27 Intensive seven-day course in ecological characteristics of late-successional forests, including aspects of composition, structure, and function. Program will include: participation in remeasurement of long-term (50-year) permanent sample plots in 500-year-old stands at Wind River; studies of ecosystem attributes of old-growth crowns, utilizing Wind River canopy crane facility; visits to different types of mature and old-growth forests in Columbia River Gorge and Mount St. Helens regions; instruction on and observations of role of canopy gaps in late-successional forests; exercises on factors controlling rates of compositional and structural developments of natural forests; and observation and analysis of Late Successional Reserves in central Cascade Range, and their potential for restoration.
Course to be conducted at Wind River near Stevenson, Washington. Students provide their own transportation to and from the location of course; local transportation to field sites provided. Meals and tents (shared) provided. Students to provide their own sleeping bags and field gear (boots, rain gear, etc.).

Courses by special arrangement

Forest Engineering (F E)
340+ Plane Surveying (4)
Surveying theory and practice with emphasis on plane surveying. Proper use of survey instruments including engineer’s tape, theodolite, level, and rods to measure and establish angles and distances. Appropriate techniques for data recording, reduction and written form presentation, drafting using CADD and COGO packages, and incorporation into GIS.

Courses by special arrangement
Undergraduate Studies, Graduate Studies in Forest Influences, Graduate Studies in Forest Engineering, Graduate Teaching Practicum, Current Topics in Wildland Hydrology

Forest Management (F M)
400 Forestry in Washington (5)
July 26-31 A one-week, intensive, forest and natural resources curriculum workshop held in residence at Pack Forest. Curriculum materials to meet essential learning requirements for science at middle and high school levels, including Project Learning Tree, Project Wild, and Project Wet. Scientific method and field instruction, with local field trips.

Courses by special arrangement
Undergraduate Studies, Internship, Senior Project, Forest Fire Control, Graduate Courses in Forest Fire Control, Graduate Studies in Forest Fire Control, Graduate Studies in Forest Entomology, Graduate Studies in Forest Mesurement, Graduate Studies in Forest Management, Graduate Studies in Forest Photogrammetry, Graduate Studies in Forest Policy Analysis, Graduate Studies in Forest Resource Planning, Graduate Studies in Forest Sociology, Readings in Silviculture

Paper Science and Engineering (PSE)

Courses by special arrangement
Undergraduate Studies, Graduate Studies in Forest Products, Internship

Urban Horticulture (UHF)
331+ Landscape Plant Recognition (3) NW
Field recognition of important groups of woody and herbaceous landscape plants emphasizing diversity at the genus and family levels. Cultivated plant nomenclature. Plant descriptive characteristic evident in the field with eye and hand lens. Hardiness and landscape applications. Offered jointly with BOT 331. Recommended: BOT 113.

470 Urban Forest Landscapes (5) NW
A comprehensive view of urban forestry and urban forest landscapes, including a close examination of factors that differentiate urban forest landscapes along the urban-wildland gradient. Factors include legal, social, political, administrative, physical and biological variations.

Courses by special arrangement
Undergraduate Studies, Internship, Senior Project in Urban Forestry

Interdisciplinary Graduate Degree Programs

Individual Ph.D. Program (IPHD)
201 Gerberding Hall, Box 351240
Telephone: 543-8720

Molecular and Cellular Biology Program
136 Annex 4 Health Sciences, Box 355330
Telephone: 543-0253

Museology Program (M.A. Program)
200 Gerberding, Box 351240
Telephone: 543-6398

Near and Middle Eastern Studies (Ph.D. Program)
200 Gerberding, Box 351240
Telephone: 543-6398

Neurobiology and Behavior
K546 Health Sciences, Box 357750
Telephone: 685-1647

Nutritional Sciences
305 Raitt, Box 353410
Telephone: 543-1730

Quantitative Ecology and Resource Management (QERM)
416 Bagley, Box 351720
Telephone: 616-9571

Urban Design and Planning (Ph.D. Program)
200 Gerberding, Box 351240
Telephone: 543-6398

See page 8 for key to symbols and abbreviations. Courses listed are subject to revision.
Interschool or Intercollege Programs

Bioengineering (BIOEN)
309 Harris Hydraulics Laboratory, Box 357962
Telephone: 685-2021

499 Special Projects (2-6, max. 6)

599 Special Topics in Bioengineering (1-6, max. 15)

Courses by special arrangement
Independent Study or Research, Master’s Thesis, Doctoral Dissertation

Quantitative Science (Q SCI)
246 Fisheries Center, Box 357981
Telephone: 543-1191
Email: cqs@u.washington.edu

291, 292 Analysis for Biologists (3, 5) NW, QSR
Differentiation; integration, including multiple integrals and partial derivatives. Numerical and
computing techniques in analysis. Emphasis on biological problems, particular in ecology. Prereq-
usite: MATH 120 for 291; 291 or MATH 124 or 292.

381 Introduction to Probability and Statistics (5) NW, QSR
An introduction to elementary probability and
statistics with an emphasis on biological appli-
cations. Elementary concepts of probability in-
clude random variables, discrete and continuous
distributions, expectation and variance. Inferen-
tial statistics include graphical methods, point
and interval estimation, and basic concepts of
hypothesis testing. Introduction to computers
and the MINITAB statistical software package.
Prerequisite: MATH 120 or equivalent.

482 Statistical Inference in Applied Research (5) NW
Statistics for biologists. Parametric and nonpara-
metric methods for analyzing biological and ecol-
ological data are presented. Applications include
one, two and multiple sample comparisons using
t-tests and analysis of variance procedures. De-
sign of ecological studies and experiments is em-
phasized, including sample size and power cal-
culations. Prerequisite: 381 or STAT 311 or permis-
sion of instructor.

School of Law
316 Condon Hall, Box 354600
Telephone: 543-0453

The program for summer 1998 is directed to both
law and non-law students in the belief that the
School of Law can contribute to the cultural and
professional education of people whose interests
and needs include some knowledge of the law
and the legal system. Non-law students may find
that Introduction to Law (LAW 300) may heighten
their interest in attending law school in the future.

The Summer Quarter may be used by matricu-
lated law students as one of the nine necessary
resident quarters, if special permission is given by
the Associate Dean of the School of Law. It is nec-
essary to earn at least 12 credits a quarter to
qualify as a resident quarter. Normally, 15 cred-
its constitute a full-quarter load.

Students in good standing at other law schools
may enroll in the University of Washington sum-
mer law courses, with the exception of the externships and the tutorial, and arrange to
transfer these credits to the colleges or universi-
alties from which they expect to receive their de-
grees.

Students matriculated in the School of Law may
register for Summer Quarter courses through the
Law School’s Student Services Office. Enrollment
by students matriculated in degree programs in
other law schools is initiated by application, avail-
able at the Office of the Director of Admissions,
School of Law, University of Washington, 316
Condon Hall, Box 354600, Seattle, WA 98195-
4600, and returned to that office no later than June
17, 1998.

Non-law students matriculated at the University
of Washington enroll using STAR. Other indi-
viduals, including non-law students matricu-
lated at other schools or colleges, should com-
plete the Summer Quarter 1998 application form
on the inside back cover of this bulletin.

Check with the School of Law or other University
departments for departmental cross-listings of
these courses.

300 Introduction to Law (3-6, max. 6) I&S
Understanding the legal system, its functions in
the socio-economic order, legal reasoning and the
legal profession. This course considers materials
and methods of law study, the anatomy of a legal
dispute, analysis of judicial decisions, the crimi-
nal justice system, interpretation of statutes and
the role of the courts. Students can take term a,
term b, or both. Meets with OE 200. Open to non-
law students only.

412/A512 Secured Transactions (3) I&S
Covers all aspects of security in personal property
under Article 9 of the Uniform Commercial Code.
Topics include the creation of security interests,
perfection, priorities (between competing security
interests and between security interests and other
property interests), default, realization proce-
dures and redemption. Selected bankruptcy prob-
lems confronting the secured lender will be cov-
ered. Some emphasis will be placed on the draft-
ing and planning aspects of secured transactions.

See the Time Schedule section, pages 91-137, for class dates and times.
See the Quick Reference Guide to Quarter Deadlines, pages 138-139, for important dates and deadlines.
415/E515 ▲ Criminal Procedure (3) I&S
This course will examine the pre-trial rights of persons suspected or accused of crime, primarily those rights from the Fourth, Fifth, Sixth and Fourteenth Amendments to the U.S. Constitution, but may include examples based on state and federal statutes and rules. The topics covered include arrest, search and seizure, interrogation, pretrial identification, guilty pleas and double jeopardy. Not open to students who have taken LAW B515. Open to law and non-law students.

422/A522 ▲ Copyright (3) I&S
In this course we will discuss the philosophical justifications for copyrights, and we will examine the relevant Constitutional, statutory, and common law frameworks. Examples generally will come from areas such as music and literature, rather than from more technical fields such as computer science. An extensive legal background is not required, but students will be expected to learn some basic legal principles as the course proceeds. Not open to students who have taken LAW A526 Copyright and Trademark. Open to law and non-law students.

429/A529 ▲ Public Land Law (3) I&S
This course will cover the history of federal public land law, including grants of public land to private interests and the creation of the management regimes for the lands that are still publicly owned. The course will cover aspects of the legal rules that govern public timber, grazing, wilderness, and wildlife resources. The course will also cover such matters as the public trust doctrine and provide a context for understanding current disputes about use of public lands and resources. Open to law and non-law students.

431/E531 ▲ Basic Income Tax Concepts (3) I&S
The goal of this course is to provide students with a basic understanding of federal income tax principles, how the tax law impacts a wide variety of business and personal transactions and decisions, and what a reformed tax law might look like. Open to graduate students generally and to undergraduates with permission of the instructor. Law students will be required to complete a short paper in addition to other requirements.

476/A576 ▲ International Economic Relations and Trade Policy (3) I&S
Considers the international control of national trade policies and the permissible transnational reach of national trade or other regulation. The General Agreement on Tariffs and Trade and the international monetary system are examined both from a legal and an economic perspective. The effectiveness of other safeguards against unfair or retaliatory trade practices are also considered. Prescriptive jurisdiction is examined and compared to the parallel body of public international law. Open to law and non-law students.

477/B577 ▲ Law and Literature (3) I&S
In this course we will read works from a variety of eras and traditions that are concerned with the nature of justice or the role of courts and lawyers. Our first assignment will be Katherine Anne Porter's novella, Noon Wine, which raises a number of the themes we'll examine throughout the course: the relation of law (or lawyers or litigation) to morality, to religion, to individual conscience and to a sense of community. The works will be predominantly fiction with some non-fiction (literary fiction and legal commentary), drama and several legal opinions. Open to law and non-law students.

Courses by special arrangement
Independent Study or Research, Externships, Doctoral Dissertation

Library and Information Science (US)
133 Suzzallo Library, Box 352930 Telephone: 543-1794

501 ▲ Bibliographic Control (4)
June 23-August 21 Survey of the major types of instruments for the bibliographic control of various kinds of library materials, and the conventions used in describing them. Basic concepts, historical background, and theoretical and practical aspects of bibliographical control; evaluation and methodology. Prerequisite: major standing or permission of instructor.

503 ▲ Bibliographic Databases (4)
June 22-July 22 Concepts and conventions of bibliographic record structure, file organization and search protocols. Elementary techniques in the use of bibliographic utilities and online search services. Prerequisite: major standing or permission of instructor.

530 ▲ Organizing Information Using the Internet (3)
June 29-July 10 Covers the underpinnings of Internet access and system design, including the application of principles of information organization to arrange the chaotic array of information resources on the Internet; evaluation of Web sites and search engines; and basic interface consideration. Credit/no credit only.

540 ▲ Materials for General Information Needs (3)
July 23-August 20 Consideration of the individual in the generalized information environment. Interdisciplinary sources for the selection of library materials. Forms of materials for non-specialized information retrieval and referral. Development of skill in question negotiation and search strategy. Prerequisite: 501 or permission of instructor. Recommended: 500, 503.

547 ▲ Evaluation and Selection of Audiovisual Materials (3)
July 27-August 7 Develops competency in applying criteria to the evaluation, selection and use of audiovisual materials and their accompanying technologies. Focuses on previewing the full range of audiovisual formats found in all types of libraries.

577 ▲ Law Library Administration (4)
June 22-July 22 Administration in law libraries, including organization, personnel and management issues (interviewing, hiring, firing), communications, library planning and bookkeeping. Prerequisite: 544 or permission of instructor. Credit/no credit only.

Graduate School of Library and Information Science

Career opportunities in the information profession are becoming more challenging and diverse as the uses of technology expand. Access to information is increasingly essential in all aspects of a person's professional endeavors. The Master of Library and Information Science program is a 63-credit course of study, which prepares professionals in library and information science. A number of courses are scheduled during Summer Quarter for students in the degree program. Students in other programs may enroll with permission of the instructor.

Visiting faculty of special interest this summer include Dr. Ronald D. Doctor, retired Associate Professor, School of Library and Information Studies, University of Alabama, Tuscaloosa, Alabama.
586A Current Issues in Information Democracy (3)
August 10-21 This course explores key federal information policies and related legislative and regulatory activities. It examines how democratic principles and pragmatic political forces shape public policy making. It also examines the effects of past and current relationships between information policies, social equity and the distribution of societal power and control. Credit/no credit only.

590 Directed Field Work (4)
Minimum of 200 hours of professionally supervised field work in a library or professional information agency. Library and information science majors only. Prerequisites: 33 credits in Master of Library and Information Science degree program. Credit/no credit only.

599 Methods of Research in Librarianship (3)
June 22-July 22 Introduction to research methods commonly used in library and information science. Emphasis on problem selection, study design, data interpretation, and dissemination of results.

Courses by special arrangement
Undergraduate Thesis, Independent Study or Research, Master's Thesis

Pathology (PATH)
CS16 Health Sciences Center, Box 357470 Phone: 543-1140

551 Experimental and Molecular Pathology (2-5, max. 20)
Prerequisite: entry code. May be repeated for credit. Credit/no credit only.

679P Pathology Summer Clerkship (*, max. 24)
Clerkship designed for the summer following students' first year. Several sites available. Prerequisites: completion of first year and permission.

680P Diagnostic Pathology Clerkship, UH (*, max. 24)
Clerkship offers equal time to autopsy and surgical pathology services. Students are intimately involved in working out diagnostic problems. Prerequisite: permission.

681P Diagnostic Pathology Clerkship, HMC (*, max. 24)
Clerkship offers both surgical and autopsy examinations, providing crytologic interpretations of specimens. Emphasis on gross autopsy observation and clinical pathologic correlation. Microscopic slides are reviewed and reports are completed by the clerk. Prerequisite: permission.

School of Medicine
The School of Medicine provides instruction for medical students, interns and residents. Through various programs within the School of Medicine, some instruction is also provided for practicing physicians and qualified students in other schools and colleges. Further information can be obtained from the School of Medicine, (206) 543-5560.

In general, the following courses are open to all qualified students by arrangement with the department or the Office of the Dean for Academic Affairs.

Medical students and others needing a complete listing of School of Medicine summer courses should consult the Time Schedule section of this bulletin.
School of Nursing
T310 Health Sciences Center, Box 357260
Graduate Programs, 543-4152
During summer, the School of Nursing offers independent study opportunities for undergraduate students, and graduate courses at the master's and doctorate levels.

For more information, write to the School of Nursing at T310 Health Sciences Center, Box 357260, or call (206) 543-8736 for information on undergraduate programs and (206) 543-4152 for information on graduate programs.

Nursing Science (NURS)

201 Growth and Development Through the Life Span (5)
Focuses on processes of human growth and development from prenatal life to old age. Emphasizes influence of growth and development on achievement of health, and how awareness of growth and development theory and research helps guide health promotional efforts directed towards persons of various ages and lifestyles. Designed for UW and non-UW students. Prerequisite for the UW Bachelor of Science in Nursing.

407 Cultural Variation and Nursing Practice (3)
Introduces knowledge and skills for culturally competent health care for all. Compare health related values, beliefs and customs among major cultural groups. Views family and social network as culturally variable health seeking behavior contexts. Examines Western biomedicine and alternative healing methods within broader environment, including government, other social institutions.

445+ Topics in Nursing (1-10)
Guided survey and discussion of current literature on major topics in nursing. Seminar/lecture with analysis and discussion of selected topics and readings. May have clinical component. Implications for nursing practice and health care emphasized. Prerequisites: nursing major and permission of instructor.

B. EKG (3)

D. Cancer (3)

504+ Clinical Nursing Therapeutics
(1-6)
Critical analysis of therapeutic modalities to assist patients with a variety of responses to health problems. Includes selected therapies such as suction/drainage, positioning to address responses in critical, life threatening, and chronic/continuing health states. Varying credits assigned for modules covering particular therapies. Prerequisites: 502, 503 or permission of instructor.

A. Acute Episodic (2)

505 Selected Topics in Psychosocial Nursing (2-10, max. 10)
In-depth exploration of the major theoretical issues in psychosocial nursing. Seminar with analysis and discussion of selected topics and readings and implications for research and health care.

A. Women's Mental Health (3)

C. Applied Brain
Psychophysiology (4)

505+ Selected Topics in Psychosocial Nursing (2-10, max. 10)
In-depth exploration of the major theoretical issues in psychosocial nursing. Seminar with analysis and discussion of selected topics and readings and implications for research and health care.

B. Constructivist Therapies (5)

508 Seminar in Group Treatment (2)

509 Issues in Violence and Aggression for Health Professionals (3)
Focuses on research and theory of violent/aggressive behavior. Perspectives of victim, offender, family, community and society examined. Focus is recognition of violence against women. Course is designed to challenge students to clarify beliefs and values related to topics such as rape, homicide, domestic violence. Prerequisite: graduate nursing student or permission of instructor.
GROWTH AND DEVELOPMENT THROUGH THE LIFE SPAN

Designed for UW and non-UW students

- NURS 201, 5 credits
  June 22 - August 21

Focuses on processes of human growth and development from prenatal life to old age. Emphasizes influences of growth and development on achievement of health and awareness of growth and development theory and research helps guide health professionals' efforts directed towards persons of various ages and lifestyles. A prerequisite course for the Bachelor of Science in Nursing.

CURRICULUM DEVELOPMENT IN NURSING EDUCATION

Designed for faculty in nursing programs and those interested in curriculum development

- NURS 519, 3 credits
  June 26, July 10 and 24

Theoretical rationale for curriculum development, study of curricular problems in nursing in relation to the elements of the curriculum as described in a curricular design. Prerequisite: graduate standing.

513 Women's Health: A Nursing Perspective (3)
Critical analysis of contemporary and historical works relevant to nursing care for women across the lifespan. Synthesis of a holistic view of women's health to guide nursing practice and research. Prerequisite: graduate and senior undergraduate students.

519 Curriculum Development in Nursing Education (3)
June 26, July 10, 24 Theoretical rationale for curriculum development, study of curricular problems in nursing in relation to the elements of the curriculum as described in a curricular design. Prerequisite: graduate standing.

520 Methods of Research in Nursing (3)
Research process as it applies to nursing. Use of the literature in building theoretical rationale. Selection of appropriate methods. Presentation of findings. Minimum of 2 laboratory hours weekly. Prerequisite: course in statistics.

521 Methods of Research in Nursing (2)
Continuation of 520, with emphasis on methods of research applied to the solution of problems in all fields of nursing.

534 Seminar in Nursing Gerontology (3)
Gerontological research findings applied to complex nursing problems in maintenance of health and maximum functioning in the aged.

551 Theoretical Foundations of Primary Care (1-3)
Presentation and interpretation of theoretical basis of advanced nursing practice in primary care. Provides students with conceptual foundation upon which to base their development as nurse practitioners. Prerequisites: graduate standing, permission of instructor.

579 Transcultural Nursing Practices (3)
Nursing practices in different cultures. Seminar focus is on theoretical formulations and comparative analysis of values, patterns, techniques and practices of nursing care in many societies. Rituals, myths, taboos and beliefs studied in relation to the subculture(s) of caring and nursing practices.

595 Synthesis of Nursing (3)
Analysis and synthesis of selected readings with faculty mentor. Credit/no credit only. Prerequisite: permission of instructor.

Courses by special arrangement
Undergraduate Research, Doctoral Dissertation

Nursing Methods (NMETH)

403 Introduction to Research in Nursing (3)
Organization of the structure of nursing knowledge through research. Concepts and processes of research utilized in the investigation of nursing science. Prerequisite: one introductory statistics course.

499 Undergraduate Research
(1-5, max. 12)
Supervised individual scholarly inquiry on a specific nursing problem. Nursing students only. Permission of academic programs office.

520 Methods of Research in Nursing (3)
Research process as it applies to nursing. Use of the literature in building theoretical rationale. Selection of appropriate methods. Presentation of findings. Minimum of 2 laboratory hours weekly. Prerequisite: course in statistics.

551 Theoretical Foundations of Primary Care (1-3)
Presentation and interpretation of theoretical basis of advanced nursing practice in primary care. Provides students with conceptual foundation upon which to base their development as nurse practitioners. Prerequisites: graduate standing, permission of instructor.

579 Transcultural Nursing Practices (3)
Nursing practices in different cultures. Seminar focus is on theoretical formulations and comparative analysis of values, patterns, techniques and practices of nursing care in many societies. Rituals, myths, taboos and beliefs studied in relation to the subculture(s) of caring and nursing practices.

595 Synthesis of Nursing (3)
Analysis and synthesis of selected readings with faculty mentor. Credit/no credit only. Prerequisite: permission of instructor.

Courses by special arrangement
Undergraduate Research, Doctoral Dissertation

Nursing Clinical (NCLIN)

302 Practicum: The Nature of Health and Caring (5)
Emphasizes beginning nursing skills in communication, interviewing and health assessment and maintenance. Predominant themes include: personal health beliefs, values clarification, basic communication skills, and beginning physical and psychosocial assessment of the individual across the age span.

406 Practicum Care I, II
(4-10 max. 10)
Health Assessment for Advanced Practice (2,2)
Provides framework for systematic data collection, organization, precise recording, and accurate communication of health status data on individuals of all ages. Demonstrations of, and experiences with, the processes of symptom analysis and health screening with basically healthy individuals. Credit/no credit only. Prerequisites: graduate standing.

Seminar in Group Treatment (1)
Seminar on the theoretical basis for working with various treatment groups. Analysis of selected approaches to group treatment. Analysis of leader responsibilities and functions in the development of therapeutic group experiences.

Advanced Practicum in Parent and Child Nursing (2-12, max. 25)
Clinical seminar and practicum provide opportunities to develop advanced nursing practice competencies in the care of women, parents, children and/or adolescents. Application of theory and principles to direct care, consultation, education and/or care coordinator roles with individuals and/or groups.

A. Perinatal and Neonatal NP's (3)
B. Pediatric Nurse Practitioner (4)
C. Women’s Health (3)
D. Midwifery (4)

Clinical Physiological Nursing II (1-10, max. 20)
A. AACNP (5)
B. PHC/AOANP (5)
C. Advanced Practice Options (3)

Advanced Clinical Practicum in Psychological Nursing (3-6, max. 12)
Advanced clinical judgment emphasizing an inferential process proceeding from the observed to the conceptual. Students use a theoretic basic knowledge base that provides multiple explanations for behaviors. Research is applied to practice with selected clinical populations in varied psychosocial settings in concert with a student's subspecialty interests. Prerequisites: NURS 556, 559, 567.

College of Ocean and Fishery Sciences

School of Marine Affairs
(SMA)
3707 Brooklyn Ave. NE, Box 355685
Telephone: 543-4326

Courses by special arrangement
Undergraduate Research, Independent Study or Research, Master’s Thesis

School of Fisheries
211 Fisheries Center, Box 357980
Telephone: 543-7457

The School of Fisheries offers courses on the conservation, management and effective use of fish and shellfish resources. The field of fisheries encompasses ichthyology, aquatic ecology, conservation and management, population dynamics, management of free-ranging stocks, hatchery-based propagation of marine and freshwater organisms, aquatic food products and effects of human activities on aquatic ecosystems.

Fisheries (FISH)

297 Special Topics: Puget Sound Ecology (5) NW
Explores the present conditions, local marine/wetland ecology and prominent environmental issues of the Puget Sound region. Will include discussions of human impact and resource use as related to the ecology of Puget Sound. Course will consist of lectures, labs and field trips.

475 Marine Mammalogy (3) NW
Evolution, taxonomy, physiology, life history and behavior of marine mammals; the techniques of studying and the management and conservation of them.

476 Marine Mammalogy Laboratory (2) NW
Evolution, taxonomy, physiology, life history and behavior of marine mammals; the techniques of studying and the management and conservation of them. Laboratory fee may be required. To be taken concurrently with FISH 475. Recommended: vertebrate anatomy and physiology; 15 credits in biological sciences.

Courses by special arrangement
Undergraduate Research, Independent Study or Research, Senior Projects, Internship/Experiential Learning, Master’s Thesis, Doctoral Dissertation

School of Oceanography
(OCEAN)
108 Oceanography Teaching Building, Box 357940
Telephone: 543-5039

Oceanography, an environmental science that attempts to explain all processes in the ocean and the interrelation of the ocean with the earth and the atmosphere, includes studies of chemical composition of sea water; sea water in motion; interactions between sea and atmosphere and between sea and solid earth; sediments and rocks beneath the sea; physics of the sea and sea floor; and life in the sea.

101 Survey of Oceanography (5) NW
Origin and extent of the oceans; nature of the sea bottom; causes and effects of currents and tides; animal and plant life in the sea. Intended for non-majors.

Courses by special arrangement
Undergraduate Research, Independent Study or Research, Master’s Thesis, Doctoral Dissertation

Course through distance learning
To register for this UW credit course offered through distance learning, see pages 168-172 (registration by STAR is not available):

* OCEAN C101 Survey of Oceanography (5)
School of Pharmacy

T341 Health Sciences Center, Box 357630
Telephone: 543-2030

Medicinal Chemistry
(MEDCH)

550 Mechanistic Studies in Medicinal Chemistry (1)
Discussion of research strategies and methodologies used to carry out studies of mechanism of drug action, metabolism and toxicities. Emphasis is on problem solving through theoretical and experimental approaches, and on data analysis and interpretation. Credit/no credit only. Prerequisite: permission of instructor.

551 Flavin and Heme-Containing Monooxygenases (1)
Discussion of research strategies and methodologies concerning the structure, function and polymorphic expression of human monooxygenases, especially the cytochrome P450s and flavin-containing monooxygenases. Emphasis placed on experimental problem solving, data analysis and presentation. Credit/no credit only. Prerequisite: permission of instructor.

552 Medicinal Chemistry Aspects of Drug Action and Drug Metabolism (1)
Discussion of research strategies, methodologies and literature concerning the mechanisms of drug action and drug metabolism, particularly as these apply to opiate drugs and beta-blockers. Emphasis placed on problem solving, data analysis and presentation. Credit/no credit only. Prerequisite: permission of instructor.

553 Structure and Function of Macromolecular Protein Assemblies (1)
Discussion of research strategies, methods and current literature concerning the macromolecular self-assembly process and protein-protein interactions as they relate to biological specificity. Emphasis on experimental approaches used in current literature. Credit/no credit only. Prerequisite: permission of instructor.

554 The Mechanism of Action and Pharmacokinetics of Biotherapeutic Agents and Other Natural Products (1)
Discussion of the literature, research possibilities and questions that need to be addressed in the area of the application of microorganisms and their natural products for therapeutic purposes. Emphasis on problem solving, research strategies, literature evaluation and data analyses. Credit/no credit only. Prerequisite: permission of instructor.

555 Current Topics in Biological Mass Spectrometry (1)
Emphasis on applications in the area of protein toxins, bioactive peptides and microbial diseases, and on current developments in the use of small scale separations with mass spectrometry. Credit/no credit only.

556 Mechanistic Aspects of Drug Metabolism (1)
Discussion of research strategies, methodologies and new approaches with regard to elucidating the chemical mechanisms and enzymology of metabolic reactions catalyzed by cytochrome P450. Emphasis on trying to develop in vitro techniques which are predictive of in vivo drug behavior. Credit/no credit only.

557 Molecular Modeling Studies of Mechanical Chemistry (1)
Discussion of research strategies, simulation methodologies and literature concerning protein and peptide structure, function, dynamics and folding. Credit/no credit only. Prerequisite: permission of instructor.

558 Human Cytochrome P450 Biochemistry (1)
Presentation and discussion of research strategies and methodologies related to current problems in human drug metabolism by cytochrome P450 enzymes. Emphasis on hypothesis testing and experimental problem solving in areas of enzyme kinetics and mechanism. Prerequisite: permission of instructor.

590 Pharm.D. Thesis (1)
A writing intensive course in which students develop a high quality scientific paper that demonstrates grammatical and organizational excellence and the ability to critically evaluate the biomedical literature. Development of the paper begins in Autumn Quarter and is compiled by the end of Spring Quarter of the third professional year.

599 Cumulative Exams for Pharmaceutics (1)
Credit/no credit only.

Courses by special arrangement
Undergraduate Research, Independent Study or Research, Master's Thesis, Doctoral Dissertation

Pharmaceutics (PCEUT)

584 Pharmacokinetic Discussion Group (2)
Student-initiated discussions of pharmaceutics concepts in relation to current literature. Preparatory to departmental cumulative examinations. Credit/no credit only.

590 Pharm.D. Thesis (1)
A writing intensive course in which students develop a high quality scientific paper that demonstrates grammatical and organizational excellence and the ability to critically evaluate the biomedical literature. Development of the paper begins in Autumn Quarter and is compiled by the end of Spring Quarter of the third professional year.

599 Cumulative Exams for Pharmaceutics (1)
Credit/no credit only.

Courses by special arrangement
Undergraduate Research, Independent Study or Research, Master's Thesis, Doctoral Dissertation

Pharmacy (PHARM)

305 Clinical Dispensing Pharmacy (3)
Preparation and dispensing of prescriptions at Rubenstein Memorial Pharmacy in Hall Health Center and University of Washington Medical Center outpatient pharmacy. For students with little or no experience in pharmacy wishing experience prior to internship, externship, or didactic coursework. Under direct supervision of Student Health Service pharmacist and University Hospital pharmacists. Prerequisites: pharmacy major and entry code. Credit/no credit only.

335 Dispensing Practicum (2-4)
Under preceptor supervision, students will master competencies necessary for distributional responsibilities in institutional and ambulatory care pharmacy practice settings. Credit/no credit only.

488 Elective Advance Practicum (*, max. 40)
Advanced-level clinical pharmacy experience in institutional (hospital, nursing home, long-term care facility) and ambulatory patient-care facilities under direct supervision of a clinical preceptor. Prerequisite: 487 and entry code. Credit/no credit only.

575 Institutional Clinical Practicum (5, max. 15)
Under faculty supervision, fourth-year students provide pharmaceutical care in an inpatient environment. Credit/no credit only.
576 Ambulatory Care Clinical Practicum (5, max. 15) 
Under faculty supervision, fourth-year students provide pharmaceutical care in an outpatient environment. Credit/no credit only.

577 Advanced Practicum (5, max. 40) 
Under faculty supervision, fourth-year students gain experience in practice settings of their choice. Credit/no credit only.

578 Advanced Elective Practicum (1-10, max. 20) 
Faculty-supervised practicums either in areas of traditional practice or in innovative practice plans designed by faculty and student. Objectives, activities, schedules and lengths are site- and preceptor-specific. Credit/no credit only.

590 Pharm.D. Thesis (1) 
A writing intensive course in which students develop a high quality scientific paper that demonstrates grammatical and organizational excellence and the ability to critically evaluate the biomedical literature. Development of the paper begins in Autumn Quarter and is compiled by the end of Spring Quarter of the third professional year.

Courses by special arrangement

Graduate School of Public Affairs
109 Parrington Hall, Box 393055 Telephone: 543-4900

Public Affairs (PB AF)
For details about Introduction to Microeconomics and Public Policy (PB AF 499) offered through the UW Evening Degree Program, please see page 84.

505 The Law of Public Administration (3)
Legal framework of public administrative action in the United States, emphasizing constitutional requirements; operation of the administrative process; management of personnel, funds and contracts; and judicial review of administrative activity. Joint with LAW 599.

Instructor: Victor B. Flatt, J.D., is the head of the environmental law program at Georgia State University College of Law, and former professor in environment-

530 Financial Management in the Public Sector (3) 
(PBAF 530U) Public sector managers are increasingly required to understand the financial implications of policy choices. In an era of shrinking resources, analysts and managers must be able to identify and use a wide range of financial tools. This course provides a comprehensive introduction to public finance. The course's principle topics include: 1) tax policy; 2) revenue analysis and forecasting; 3) specialized expenditure analysis, such as cost allocation; 4) financial analysis of capital projects; and 5) analysis and use of long-term financing techniques. Prerequisite: 522, familiarity with public budgeting issues, or permission of instructor.

Instructor: Dwight Dively, Finance Director, City of Seattle.

595 Topics in Environmental Policy: Public Responsibilities and Private Choices: Emerging Environmental Approaches (3)
Environmental policy for both pollution related problems and natural resource conservation issues is at a crossroads. New concepts and tools, some in isolation and some in an emerging context, are being developed to confront the daunting challenges of resource depletion and overall pollutant loadings. This course will relate how pollution prevention, market incentives and ecosystem management and other concepts contribute to the aspirations of achieving sustainable development.

Instructor: William Ross is President of Ross and Associates Environment Consulting, Ltd., an environmental and natural resources consulting firm located in Seattle. Ross is the former Commissioner of the Alaska Department of Environmental Conservation.

599 Special Topics (2-6) 
A. Political Communications (3) 
From policy to appropriations, words sharpen vision, fashion rationale and cement alliances. This course explores the strategic uses of language in the creation and advocacy of policy and legislation.

Following the life of an actual bill, we'll analyze, compare and contrast words as used by bill writers, lobbyists, legislators and the media. We'll critique words as they are used in committee hearings, floor debates and media responses.

The course utilizes case studies, videos, audiotapes, newspapers and literature on political process and policy.

Instructor: Michael Shadur, Ph.D., prepares public sector leaders for presentations, public appearances and media interviews. His international clients include leaders of governments, judges, directors of agencies and heads of nonprofit organizations who must be effective when explaining, defending or presenting their policies, budgets or decisions.
School of Public Health and Community Medicine

Special six-week sessions are offered in biostatistics, epidemiology and health services. The sessions are designed primarily for Master of Public Health students or others at the postdoctoral level in the University (persons in clinical training programs on campus).

The Extended M.P.H. Degree Program is a three-year, part-time program delivered through a combination of intensive four-week summer sessions on the University campus, independent/directed study and intensive weekend (Friday-Saturday) seminars during the academic year. The program is designed for mid-career public and community health professionals with three or more years of experience in the health care field. Individuals seeking knowledge and skills required for mid- and upper-level practice and management positions in health care professions will benefit from the program. The prescribed coursework includes a broad exposure to the health care system, plus specific management training in accounting, finance, personnel management, economics, organization theory and program evaluation. Information is available by calling the Extended M.P.H. Degree Program office at 685-7580.

Biostatistics (BIOST)
F600 Health Sciences Center, Box 357232
Telephone: 543-1044

511 Medical Biometry I (4)
July 1-August 8  Presentation of the principles and methods of data description and elementary parametric and nonparametric statistical analysis. Examples are drawn from biomedical literature, and real data sets are analyzed by the students after a brief introduction to the use of standard statistical computer program packages (e.g. SPSS, BMDP, MINITAB). Statistical techniques covered include description of samples, comparison of two sample means and proportions, simple linear regression and correlation.

578 Special Topics in Advanced Biostatistics (*, max. 3)
A. Spatial Statistics (3)
Prerequisite: entry code. Credit/no credit only. Offered jointly with STAT 578A.

B. Drug Evaluation (3)
Prerequisite: entry code. Credit/no credit only. Offered jointly with STAT 578B.

590 Biostatistical Consulting (3)
Training in consulting on the biostatistical aspect of research problems arising in the biomedical field. Students, initially under the direct supervision of a faculty member, participate in discussions with investigators leading to the design and/or analysis of a quantitative investigation of a problem. With experience, independent associations of students and research workers are encouraged, with subsequent review of resulting design and analysis by faculty. Prerequisite: permission of instructor.

593 Cancer Prevention Lab (3)
Laboratory experience for pre- and post-doctoral students working on cancer prevention projects at the Fred Hutchinson Cancer Research Center. Offered jointly with EPID 593.

Courses by special arrangement
Independent Study or Research, Master's Thesis, Doctoral Dissertation

Environmental Health (ENV H)
F461 Health Sciences Center, Box 387234
Telephone: 543-3199

480 Environmental Health Problems (*, max. 6)
Individual projects involving library, laboratory or field study of a specific environmental health problem. Prerequisite: environmental health major or permission of instructor.

482 Environmental Health Internship (2-15)
Assignment to an environmental health or environmental protection agency for supervised observation and experience in environmental health technology, program planning and utilization of community resources. Prerequisite: environmental health major or permission of departmental adviser. Credit/no credit only.

512 Hazardous Waste Management Technology (3)
Lecture and field study covering the role, design concepts and capabilities of environmental technologies used in waste management, industrial, and related facilities. Lecture sessions, field site visits with site visit technical reports, and class paper addressing relevant topic in detail. Recommended: 446.

532A Reproductive and Developmental Technology (2)
Investigates chemicals that can induce adverse reproductive and developmental outcomes. Discussion topics include identification and characterization of specific classes of toxic agents, mechanisms of action of these agents at the molecular and cellular level, and risk assessment and regulatory issues. Prerequisite: 514 and 515 or 405 or permission of instructor.

545 Drinking Water and Health (3)
Principles and requirements of public water supply for protection of public health. Includes essential characteristics of water quality and sources, water treatment and distribution systems with associated health hazards; public health engineering, epidemiology, risk assessment; surveillance, regulatory needs to assure safe public water supplies. Prerequisite: 440 or CIVE 351 or permission of instructor.

572 Clinical Occupational Medicine (3)
Comprehensive overview of clinical occupational medicine. Introduction to principles of occupational disease, occupational history taking, and health care providers' involvement in workers' compensation. Epidemiologic evidence and pathophysiologic basis for occupational diseases reviewed, emphasizing approaches to diagnosis and management of occupational diseases based on organ systems. Prerequisites: M.D. degree, environmental health graduate student, occupational health nursing student, or permission of instructor.

Courses by special arrangement

Epidemiology (EPI)
F263 Health Sciences Center, Box 357236
Telephone: 685-1762

525 Topics in Preventive Medicine (2)
Examines current scientific knowledge and state of the art in preventive medicine interventions. Discuss and consider options for current practice. Prerequisite: M.D., O.D., or permission of instructor. Credit/no credit only. Offered jointly with HSERV 505.

542 Clinical Epidemiology (2)
August 3-16 Principles and methods involved in studying the outcome of illness.

See the Time Schedule section, pages 91-137, for class dates and times.
See the Quick Reference Guide to Quarter Deadlines, pages 138-139, for important dates and deadlines.
School of Social Work

23 Social Work/Speech and Hearing Sciences Building, Box 354900
Telephone: 543-8617

The School of Social Work offers elective courses for upper-division or graduate students.

Seminars, workshops and institutes are planned for professionally employed social work practitioners. Inquiries should be addressed to Social Work Continuing Education, 4101 15th Ave. NE, Box 354900, Seattle, WA 98195-4900; or call 543-5755.

Social Welfare (SOCWF)

B.A. program

409 Readings in Social Welfare
(1-5, max. 15)
Prerequisite: entry code.

Social Welfare (SOCWL)

Ph.D. program

582-583 Research Practicum
(1-3, max. 3 each)
Development of specific methodological skills in social welfare research through participation in an ongoing research project. Prerequisite: entry code. Credit/no credit only.

Courses by special arrangement

Tutorial or Dissertation

Social Work (SOC W)

M.S.W. program

524 Foundation Practicum
(1-8, max. 12)
Credit/no credit only.

525 Advanced Practicum
(2-10, max. 24)
Agency-based advanced practicum. Prerequisite: 524, foundation courses and social work major. Credit/no credit only.

599 Readings in Social Work (*)
Credit/no credit only. Prerequisite: permission of instructor.

Courses by special arrangement

Independent Study or Research, Master's Thesis

Office of International Programs and Exchanges

516 Schmitz Hall, Box 355815
Telephone: 543-9272
Email: oipe@u.washington.edu
http://weber.u.washington.edu/~oipe

The University of Washington Office of International Programs and Exchanges coordinates foreign study and exchange programs around the world. Summer Quarter options are listed below. Deadlines for some of the summer programs have passed, but many are still open. Plan now to take advantage of the wide network of programs and exchanges coordinated by the Office of International Programs and Exchanges throughout the year. For more specific information, contact the office at the above address (Seattle, WA 98195-5815).

Chinese Language Program, Beijing
Early June to early August

Council Study Center at Khon Kaen University, Thailand
Mid-June to early August

Courses in Finnish Language and Culture: Kuopio, Jyväskylä, Helsinki
Intensive courses during the month of July

Danish Language Course for Foreign Students, University of Copenhagen
Mid-June to late August

Denmark International Study Program in Architecture, Copenhagen
Early June to mid-August

El Colegio, Mexico City
Mid-June to late July

French Language Program, Angers, France
Early July to late August

German Language Summer Programs:
Germany-Munich, Regensburg; Austria-Salzburg, Vienna
Six- to eight-week sessions during the summer

Hebrew University, Jerusalem, Israel
July and August

International Summer School, Oslo, Norway
Late June to early August

Russian Language Program, St. Petersburg
Mid-June to mid-August

Spanish Language and Culture Program, Quito, Ecuador
Mid-June to early August

Uppsala University Summer Session, Sweden
Mid-June to early August
Evening Degree Program

Evening students have priority in registering for these classes. Other individuals can register for these classes beginning June 22, 1998. Please see pages 85-90 for summer evening degree classes at UW Bothell and UW Tacoma. Continuing UW students who enrolled for Spring Quarter 1998 in Seattle or at UW Bothell or UW Tacoma do not need to apply for Summer Quarter. Use the Time Schedule section in this catalog and register by STAR the same way as for any quarter. For a catalog and application to the Evening Degree Program in Seattle, call (206) 543-2320.

College of Architecture and Urban Planning

Construction Management

500 Design and Construction Law (3)
Legal issues arising from design and construction services, focusing on risk management and liability awareness. Topical areas include basic legal doctrines, the design professional/client relationship, contractor selection, the construction process, and professional practice problems. Emphasis on Washington state law.

505 Advanced Integrated Computer Applications (3)
The study of management information systems used in the construction industry, their unique characteristics and how best to examine, select and use them effectively. Emphasizes the use of current state-of-the-art computer hardware and software to solve complex problems, as well as the integration of computer-aided design (CAD), scheduling (including advanced concepts such as resource leveling, schedule compression and cash flow projections) and estimating techniques in effective project, facilities and construction management.

Anthropology (ANTH)

456 Contemporary Ethnography (5) I&S
Techniques and theories of ethnographic description for the anthropological analysis of contemporary life. Materials drawn from the contemporary United States, with a focus on issues and events in the Seattle area. Includes fieldwork projects. Prerequisite: permission of instructor.

467 Anthropology of Education (5) I&S
Anthropology of education uses a wide range of social theory and philosophy to uncover mechanisms which reproduce inequality and asymmetry in American education.

Art History (ART H)

309 Topics in Art History (5, max. 15) VLPA
YA. The Art of India (5)
This course will examine the development of Hinduism, Buddhism and Islam influenced the development of artistic form in India. While the course will concentrate on major monuments in architecture, painting, and sculpture, it will also explore the applied arts of fiber, jewelry, ceramics and mehendi.

YB. The History of Photography (5)
This course will follow the development of photography from the 19th century into the present. It will examine the various ways in which the practice, process and product of photography has impacted the way we see the world. Emphasis will be on the development and on-going tradition of photography as a fine art.

Communications (CMU)

200 Introduction to Mass Communication (5) I&S
Examines the role mass communication systems play in our society, including their history, structure, processes and effects. Strong emphasis on major issues in the media today, such as violence, stereotyping of images, political campaigns and other ethical issues.

English (ENGL)

331 Romantic Poetry I (5) VLPA
Blake, Wordsworth, Coleridge and their contemporaries.

354 American Literature: The Early Modern Period (5) VLPA
Literary responses to the disillusionment after World War I, experiments in form and in new ideas of a new period. Works by such writers as Anderson, Toomer, Cather, O'Neill, Frost, Pound, Eliot, Cummings, Hemingway, Fitzgerald, Faulkner, Stein, Hart Crane, Stevens and Porter.
American Literature: Contemporary American (5) VLPA
Works by such writers as Ellison, Williams, O'Connor, Lowell, Barth, Rich and Hawkes.

Geography (GEOG)

Regional Development (3/5) I&S
The process of regional economic development. Theories and conceptualizations of economic growth and structural change, technological change and industrial development, spatial variation in economic activities and government policies. Prerequisites: 207 or ECON 200 or equivalent.

History of the Americas (HSTAA)

Modern American Civilization From 1877 (5) I&S
Emergence of modern America after the Civil War; interrelationships of economic, social, political and intellectual developments.

Modern European History (HSTEU)

France Since 1814 (5) I&S
Political, economic and social history since the Congress of Vienna. Special emphasis upon the continuity of the revolutionary tradition.

Political Science (POL S)

Women in Politics (5) I&S
Theoretical, historical and empirical studies of women's participation in political and social movements. Women's diverse efforts to improve their political, social, and economic status. Policy issues of particular concern to women. Women's political experiences in household, local, regional, national, and international arenas. Offered jointly with WOMEN 313.

Comparative Politics Seminar (5, max. 10) I&S
Selected comparative political problems, political institutions, processes, and issues in comparative perspective. Recommended: 204.

B. Elections, Electoral Systems and Democracy (5)
No rule is neutral. The politics of who gets what, when and how is shaped by the incentives and opportunities created by electoral systems. Decisions about who is represented and how winners are determined affect not only elections and public policy, but may affect the very viability of democratic political systems. Exploration of the array of electoral systems in established democracies to understand the shaping of the systems and their societies.

The Politics of Criminal Justice (5) I&S
Political forces and value choices associated with the enforcement of criminal law. Distribution of resources among participants in the criminal justice system (e.g., police, attorney's, defendants, and judges). Understanding and evaluation of the interaction of criminal justice processes with the political system. Prerequisite: junior or senior standing.

The ability to take on anthropological classes after work was a boon. It was great to take an evening course and not miss a day at work.

Keith Belzer
Post UIW Summer Student

Psychology (PSYCH)

Survey of Physiological Psychology (3) NW
The nervous system and how it works. Learning, memory, sleep, the senses and the emotions. For students who do not intend to specialize in physiological psychology. Prerequisite: major standing in a biological science or either 101 or 102.

Developmental Psychology (5) I&S
Analysis of child development in relation to biological, physical and social interaction conditions from infancy to adolescence. Prerequisite: 101 or 102, or equivalent.

Child and Adolescent Behavior Disorders (5) I&S
Introduction to psychopathology in children and adolescents, and an overview of principal modes of intervention. Particularly for students interested in advanced work in clinical psychology, social work, or special education. Prerequisites: 305, 306 or equivalents.

Sociology (SOC)

Population and Society (5) I&S
Population growth and distribution, population composition, population theory, urbanization. Determinants and consequences of fertility and mortality trends and migration in economically developed and underdeveloped areas.

Issues in Analytic Sociology (5, max. 15) I&S
YA. Sociology of Culture (5)
Culture is a popular concept in both social science and public discourse; we hear about popular culture, ancient cultures, cultural studies, urban culture, cultures of violence, cyber-culture, Siberian culture, and so on, ad nauseum. This course asks several questions, including (but not limited to) the following: What is culture, sociologically defined, and how does it work? Is it a useful scientific concept? How do we study it? Is NOT a substantive tour of American culture; it is primarily a theoretical assessment of the concept and its use in sociology.

School of Business Administration

Accounting (ACCTG)

Problems in Financial Reporting (4)
Extension of 500, emphasizing financial reporting from a user's perspective. Alternative approaches to recognition, valuation, and measurement of assets, equities and income considered. Choice of accounting methods and effects on the firm of accounting policy regulation also examined. Prerequisites: B A 502 or permission of instructor.

Fundamentals of International Taxation (3)
Covers the basic tax considerations of U.S. taxation of income earned worldwide by U.S. taxpayers, as well as the issues regarding U.S. taxation of non-resident aliens for income earned in the U.S. Source rules and treaty considerations examined in detail. Locating the proper source of income and optimal tax rates analyzed.
Differences in definition of income at state and federal levels, treatment of state income taxes, piggyback for state income taxes, state tax rates, minimum tax, double taxation of income by home and host states, Uniform Division of Income for Tax Purposes Act, concept of a nexus for taxation, multi-state tax planning.

Covers the tax issues facing employees and self-employed tax payers, including deferred compensation arrangements, fringe benefit packages, restricted property, independent contractor's status, achieving favorable tax treatment of retirement plans and substantiating employee business expenses.

Courses through distance learning

To register for these UW credit courses offered through distance learning, see pages 168-172 (registration by STAR is not available):

- ACCTG C210 Introduction to Accounting (3)
- ACCTG C220 Fundamentals of Financial Accounting (3)
- ACCTG C230 Fundamentals of Managerial Accounting (3)

Business Communications (B CMU)

410 Business Reports and Other Specialized Communications (4)

Covers both internal and external communications that businessmen and businesswomen write on the job. Emphasis on various types of internal reports, ranging from short informal memos to the more complex formal reports. Also covered are specialized external types of communications directed to customers. Prerequisite: 301 or equivalent and junior standing.

Business Economics

501 Business Economics II (4)

Analysis of real and monetary factors affecting the national and international economic environment, supply and demand for money, interest rates, stabilization problems and policies, in relation to government and policy effects on business and individual affairs. Prerequisite: 500.

579# Special Topics in Business Economics (4, max. 12)

A. Monetary Policy (4)

Finance

556# Investment Planning and Education (4)

Analytical tools for valuing and evaluating business entities and for investment planning. Topics include business valuation, performance evaluation, risk analysis, capital budgeting, inflation and tax issues, leasing, and business acquisitions. Prerequisite: B A 502.

Human Resources Management and Organizational Behavior

460 Negotiations (4)

The art and science of negotiations, with the goal of making students more effective negotiators in a variety of business situations, such as budget negotiations, buying and selling, contracts and merger negotiations. Concept and skill development. Prerequisite: junior standing.

Information Systems

504 Computer-Based Information Systems for Management (5)

Introduction to information systems and computer technology. Covers concepts of information use in decision making. Use of decision-support problem-solving tools (e.g., spreadsheet, database software). Management's responsibility in defining, developing, and using information systems is focal point.

International Business (I BUS)

300 International Environment of Business (5)

Prepares students to understand the most important aspects of the international political economy. Emphasis on the important relationships among nations and business and economic institutions that influence students' performances as managers, consumers and citizens. Prerequisites: ECON 200, 201, junior standing, admission to business administration or permission of undergraduate office.

Marketing (MKTG)

301 Marketing Concepts (4)

Tools, factors and concepts used by management in planning, establishing policies and solving marketing problems. Marketing concepts, consumer demand and behavior, location analysis, marketing, functions, institutions, channels, prices and public policy. Prerequisites: ECON 200, junior standing, and admission to business administration or permission of undergraduate office.

Research for Marketing Decisions (4)

Methods and applications of marketing research incorporating analytical procedures and relevant concepts from behavioral and quantitative sciences. Deals with various aspects of research: problem definition, research design, questionnaire construction, sampling, and data analysis. Introduces promising new developments: multivariate techniques of data analysis, laboratory field experimentation, and demand analysis in both business and public environments. Prerequisite: B A 501.

Organization and Environment (O E)

302 Organization and Environment (4)

Political, social and legal environment of business. Critical managerial issues from historical, theoretical, ethical perspectives; their impact on organization. Corporate political power, boards of directors, capitalism, industrial policy, business ethics and social responsibility, alternative corporate roles in society. Prerequisite: admission to business administration or permission of undergraduate office.

Graduate School of Public Affairs

109 Parrington Hall, Box 353055
Telephone: 543-4900

Public Affairs (PB AF)

499 Introduction to Microeconomics and Public Policy (3) I & S

This course is designed to introduce the basic concepts of microeconomics and examine their importance in public policy and management. Students will explore principles related to individual consumer behavior, including opportunity cost; marginalism, and supply/demand; and discuss how knowledge of these principles—and their limitations—can inform policy. The course will provide students with a theoretical and mechanical foundation for entering the CSPA core sequence. Instructor: Seanna Melchior is a recent graduate of the Graduate School of Public Affairs. She
currently works with the Washington State Department of Social and Health Services (DSHS) in the area of welfare reform and welfare-to-work policy and program design.

School of Social Work

23 Social Work/Speech and Hearing Sciences Building, Box 354900
Telephone: 543-8617

M.S.W. Evening Program

514 Social Work Practice (3)
Focus on the teaching of practice skills (micro, mezzo, and/or macro) associated with key contemporary themes in social work. Possible topics include social work with American Indian communities, adult interpersonal violence, and assessment and brief intervention in substance abuse and dependence.

524 Foundation Practicum (1-8, max. 12)
Agency-based practicum with emphasis on development of knowledge, perspectives, and skills needed for practice with individuals, families, groups, organizations, and communities. Credit/no credit only. Prerequisite: social work major.

525 Advanced Practicum (2-10, max. 24)
Agency-based advanced practicum. Prerequisites: 524 and foundation courses. Credit/no credit only. Prerequisite: social work major.

536 Children, Youth, and Family Methods (3, max. 9)
Focuses on child welfare and family services intervention methods, including social work in schools, services for early intervention, prevention and family support, child and adolescent mental health services, work with families of developmentally disabled, permanency planning, group work, family violence and child maltreatment, and intensive family preservation services.

599 Independent Studies: Readings in Social Work (*)
Credit/no credit only.

UW Bothell

To apply for summer-only admission at UW Bothell, complete the application on the inside back cover of this bulletin.

If you wish to apply for matriculated status, call (425) 352-5300, 1-800-736-6650, or (425) 685-5303 (TDD).

Business Program (BBUS)

320 Introduction to Marketing Management (5)
This course focuses on designing tools, concepts and strategies for problem solving in marketing management. This core class is a prerequisite for all other 400-level marketing classes. Majors only.

421 Consumer Marketing (5)
Examines the process by which consumer goods and services are brought to the market. Analyzing existing markets to identify problems and opportunities, developing and modifying products, establishing and managing distribution, setting prices and undertaking promotional efforts, especially advertising. The emphasis is on mass marketing and end users. Concentration: MGT.
Prerequisite: BUS 320. Business majors only.

429 Special Topics in Marketing (5)
Topics will vary quarterly and depend on the professor and his area of interest or expertise. Concentration: MGT. Business majors only.

438 Marketing Management Laboratory (S)
Development and implementation of both the strategic as well as the tactical aspects of marketing decisions. This course provides students with an opportunity for integrating marketing concepts from other marketing classes and formulating coherent marketing decisions. Topics include: multi-product, multi-market businesses, challenges inherent in developing and implementing marketing decisions in a complex environment. Analyzing markets, businesses and competitive situations in order to make sound decisions. Prerequisite: BUS 300, 301, 320, 423. Concentration: MGT. Business majors only. Entry code required.

University of Washington Bothell

University of Washington Bothell admitted its first students in Autumn Quarter 1990, and has grown rapidly. UW Bothell is fully accredited as part of the University of Washington, and awards a University of Washington degree. In addition, professional programs are accredited by their respective accrediting bodies.

University of Washington Bothell is committed to increased access to higher education for residents of North, Northwest and Northeast Puget Sound. To serve a diverse student population, most programs offer part- and full-time study options, with both day, late afternoon and evening classes. Bachelor's degree programs are offered in Liberal Studies, Business Administration (Computing and Software Systems and Nursing), A Master's of Education in an ElementaryTeacher Certification program also are available. Bachelor's degree information sessions are held every Wednesday at 5:30 p.m.

UW Bothell is located in the Canyon Park Business Center near the intersection of Interstate 405 and State Route 527.

For more information about UW Bothell, call (425) 352-5300 or 1-800-736-6650, or (425) 685-5303 (TDD), or visit our Web site: http://weber.uw/washington.edu/ -uwbweb

S a term: June 22-July 22  ▲ b term: July 23-Aug. 21  No symbol: full term June 22-Aug. 21
See page 8 for key to symbols and abbreviations. Courses listed are subject to revision.
479 Special Topics in Management: Environmental Management (5)
Concern for the natural environment is an increasingly important issue for the business community. This course addresses issues, concepts, and techniques by which organizations integrate the natural environment into their strategy and operations. Covers a range of topics, including measuring environmental entrepreneurship, environmental issues and marketing/business strategy, the relationship between technology strategy and environmental strategy, and perspectives from international business. Concentration: MGT, MKT, TIM, IE. Business majors only.

490A Special Topics in Business: Negotiations and Conflict Management (5)
This workshop uses bargaining games, role-plays and case discussions to examine issues in conflict management and interpersonal influence processes. After participating in this workshop, students should be more effective negotiators and be motivated to see creative “win-win” solutions to challenging bargaining problems. In addition, they should appreciate the ethical implication of bargaining problems and better understand their personal negotiating styles. Concentration: MGT, MKT, TIM, IE. Open to all majors during registration period II and III.

Computing and Software Systems (CSS)

301 Technical Writing for Computing Professionals (5)
Students will explore methods for writing effective user documentation, context sensitive help screens, and requests for proposals (RFP). In addition, students study RFP analysis techniques, writing plans, proposals, marketing documentation and customer communications. Prerequisite: Advanced composition or technical writing.

343 Mathematical Principles of Computing II (5)
Refining the concepts and skills introduced in CSS 342, students develop competencies associated with problem-solving, functional design, testing, programming, and management techniques. Prerequisite: CSS 342.

497 Cooperative Education (5)
Students complete project(s) as delineated in a contract between student, faculty adviser, and participating industry/community partner. Prerequisite: Senior status and program approval.

CSSAP 432 Networking and Distributed Systems (5)
Topics include LAN’s, MAN’s and WANS; OSI protocol stack; routing, congestion, and flow control; data compression; interface between the network and the program (e.g. sockets, ports, mailboxes); security issues (including authentication and authorization, encryption); distributed file systems; and, remote procedure calls. Prerequisite: CSS 422.

CSSIE 490 Special Topics in Information Engineering: Neurocomputing (5)
Computing and software systems are growing more powerful; they are also increasingly complex and difficult to design and use. One solution is to make these systems more like biological computers: nervous systems and brains. Neurocomputing is the study of biological computing principles for application to machines. This course is an introduction to the state of the art in computational neuroscience and neural networks, including vision, motor control, learning and data analysis.

CSSSA 490 Special Topics in Systems Analysis: Women in Computing (5)
An interdisciplinary, multicultural examination of the past, present and future of women in computing, with particular emphasis on cultural attitudes that influence women’s participation in technology. Topics include: the history of notable women’s contributions to technology, images of women in computing as represented in film and science fiction literature, and the latest sociological data forecasting the educational and professional climate for women in computing.

Education Program (BEDUC)

520A Current Issues in Multicultural Education: Multiethnic Curriculum and Instruction (3)
Primarily for preservice and inservice teachers who have little or no previous exposure to issues related to ethnicity and schooling. Designed to help teachers better understand the school’s roles in the ethnic education of students and acquire the insights, understandings, and skills needed to design and implement curricular and instructional strategies that reflect ethnic diversity. Offered jointly with EDCI 438 at the UW College of Education in Seattle.

533A Computers in the Classroom: Issues and Uses (3)
Today’s teachers are faced with dynamics of instruction and interaction in classrooms while preparing students for worlds that do not yet exist. Essential questions include issues of equity, disengagement, and the quality of learning and knowing in a diverse and complex society. Participants in this course will use current technology to enhance computer skills, create and evaluate quality learning experiences, and explore issues of equal access for all.

551 Educational Change and School Reform (3)
Massive changes, from content standards, to assessment strategies, to how decisions are made within schools, are occurring with the entire K-16 educational system. What are the implications of these changes and school reform efforts? What role will you play, given the new and multiple demands generated by these changes? This seminar explores these issues, and will give you strategies for effectively working with educational change and school reform.

591 Special Topics in Education (1-5, max. 10)
A. Seminar in Research and Writing for Educators (3)
A capstone course on research methods and professional writing in education. This course is restricted to majors only, and permission of faculty adviser is required. Prerequisite: All coursework completed. UW Bothell education majors only. Credit/no credit only.

See the Time Schedule section, pages 91-137, for class dates and times.
See the Quick Reference Guide to Quarter Deadlines, pages 138-139, for important dates and deadlines.
B-D. Seminar in Research and Writing for Educators (2)

An advanced capstone course on research methods and professional writing in education. This course is restricted to majors only, and permission of faculty adviser is required. Prerequisite: All coursework completed. UW Bothell education majors only. Credit/no credit raised, needs to be used for the UW Bothell Elementary Teacher Certification Program.

E. Integrating Science and Literacy Curriculum (3)

F. Brain-based Teaching and Learning (3)

592 Independent Study (1-6)

Faculty supervised reading and research in areas of special interest for individual students. Permission of instructor required.

Courses by special arrangement

Elementary Teacher Certification Courses

401A Learners (3)

Courses on issues with implications for learning, attempting to relate theories and issues throughout the course to educational and counseling practices. Ethical issues related to serving children's needs will be raised, as will issues related to moral and ethical development of children. Consideration of diverse learning styles and the impact of ethnic and cultural influences on the development of children of color will prepare students to address the needs of diverse populations whom they serve. Prerequisite: Admission to the UW Bothell Elementary Teacher Certification Program.

403A Theories of Learning (3)

Examines theories of learning, with emphasis on constructivism, multiple intelligences, classroom applications and developmentally appropriate instruction. Field experiences will offer opportunities to apply theory and practices. Case studies will be integrated with the readings. Both field experiences and readings are designed to provide structured opportunities for students to understand the similarities, differences, interdependencies, and special needs of students, with particular emphasis on those from varying racial, cultural, linguistic, intellectual abilities and socioeconomic backgrounds. Prerequisite: Admission to the UW Bothell Elementary Teacher Certification Program.

405A Contexts of Learning and Schooling (3)

Surveys major themes of historical, legal, philosophical, political, ethical and social contexts of learning and schooling in American society. Learning and schooling integrates several disciplines as the foundation from which to view the instructional process. Case studies will be emphasized as a way to examine the complexity of professional practice. Prerequisite: Admission to the UW Bothell Elementary Teacher Certification Program.

406A Introduction to Field Placements (3)

An introduction to building learning communities in classrooms. The course involves students in assigned field placements in K-8 schools, and in seminars on campus. Prerequisite: Admission to the UW Bothell Elementary Teacher Certification Program.

425A Reflections on Professional Practice Seminar: Becoming a Professional Educator (2)

This introductory seminar provides the prospective teacher with a foundation for understanding schools and schooling within American society. Prerequisite: Admission to the UW Bothell Elementary Teacher Certification Program. Credit/no credit only.

437A Current Issues in Technology (1)

Sequenced and concentrated instruction and collaborative work in instructional technology, to be integrated with other quarterly coursework. Prerequisite: Admission to the University of Washington Bothell Elementary Teacher Certification Program. Credit/no credit only.

Liberal Studies (BLS)

All liberal studies courses meet June 22-August 21.

303 The Concepts of Growth and Stability in U.S. and World Markets (5)

An examination of inflation, unemployment and economic development. U.S. and international case studies are used to investigate the factors underlying macroeconomic problems and the policies used to combat them.

305 Issues in Social and Political Philosophy: Theory and Practice of Social Action (5)

A philosophical investigation of conceptual and normative issues associated with one of several broad domains of social and political thought: (a) human rights, (b) the varieties of human conflict, (c) war and peace. Both classical and recent texts will be examined. Theoretical perspectives will be brought to bear on contemporary issues. (May be repeated on a second topic, with permission of instructor; maximum 10 credits)

315 Understanding Statistics (5)

Presentation of key concepts for understanding and judging reports of statistical analyses, and for performing and reporting valid statistical analyses, using a limited set of measures and tests. For students in the social sciences and humanities, this course will use intuitive mental models and extensive hands-on experience with concrete examples.

319 Mathematical Thinking for the Liberal Arts (5)

The course develops four important mathematical topics from a historical perspective, an intellectual perspective and an applicability perspective. It is designed to broaden the student's concept of mathematics and to develop his/her mathematical thinking. (Prerequisites: Intermediate algebra and junior standing.)

336 Topics in Cinema Studies: Classical Hollywood Cinema (5)

This course explores traditional and innovative approaches to the study of film in order to study the cinema as an institution of cultural affirmation and contestation within modern society. Students will learn the foundational methodology of cinema studies and will employ a broad range of contemporary approaches to cultural analysis.

361 Studies in American Literature: Civil War to World War I (5)

Important literary movements and literary genres will be studied with attention to their historical context. Emphasis will be placed on issues of race, class and/or gender.

393 Special Topics

A. The Causes of War (5)

438 International Human Rights (5)

Team-oriented research of the origins, theories, basic documents, personalities, institutions and legal and political processes which have promoted international human rights as the most widely accepted legal and moral foundations for a just world order.

* a term: June 22-July 22  ▲ b term: July 23-Aug. 21  No symbol: full term June 22-Aug. 21

See page 8 for key to symbols and abbreviations. Courses listed are subject to revision.
ABOUT THE UNIVERSITY OF WASHINGTON, TACOMA

The University of Washington, Tacoma, was established to provide innovative upper-division and master's-level educational programs for people in the South Puget Sound region. With day, evening, and Saturday classes, UW Tacoma draws returning adult learners and traditional students who are continuing community college education or transferring from other institutions. When it was established in 1989, UW Tacoma took temporary residence in two leased office buildings while a permanent facility was built. By September of 1992, the 333,000-square-foot phase one of construction, incorporating a library, an academic building, and a class lab building, was ready for students. The new campus is located in Tacoma's historic downtown warehouse district and reuses 19th-century brick and stone buildings into 21st-century academic space. It is the first permanent University of Washington campus to open since 1895.

UW Tacoma is a dynamic community, valuing the involvement of faculty, staff, and students. Its small-school environment makes it easy to participate in a growing student activities program. The student body is 72% female and has a median age of 32. About 25% of UW Tacoma students work outside their homes.

For more information, contact:
Office of Admissions
University of Washington, Tacoma
1800 Commerce St., Box 358400
Tacoma, WA 98402-3100
(253) 692-4000 or 800-736-7750
(253) 692-4413 (TDD)
www.tacoma.washington.edu

452 Marx, Nietzsche, Freud (5)
Study of the challenges to traditional Western conceptions of the self, history, knowledge, and art by these classic authors of modernity. Examines the critical impact of their writing within its historical and cultural context, and the ongoing significance of their work through the study of prominent examples of contemporary theory.

477 Abnormal Psychology Through Film and Literature (5)
This course uses an interdisciplinary approach to explore topics in abnormal psychology. Common mental illnesses will be studied through the use of film and literature. The course provides students with an understanding of mental illness and prepares them for future study in the field. Epidemiological data is also presented.

Nursing Program

BHLTH 497 Special Topics in Health A. Health Care Informatics (3)
BNURS 511 Curriculum Development in Nursing Education (3)

To apply for summer-only admission at UW Tacoma, complete the application on the inside back cover of this bulletin. If you wish to apply for matriculated status, call (253) 692-4000, 1-800-736-7750 or (253) 692-4413 (TDD).

For information about the Bachelor of Science in Nursing Program and the Master's in Nursing Program, call (253) 692-4470.

Business Program

T ACCT 330A Introduction to Accounting Information Systems (3)
Entry code required.

T BUS 300A Managing in Organizations (5)
Offers a broad introduction to business management and the challenges managers face. A variety of managerial tasks are introduced, including planning, leading, motivating, setting goals and making decisions. Designed to build skills in communication, teamwork, strategic thinking, problem solving and flexibility. Prerequisite for all business courses.

T BUS 490A Special Topics (5, max. 25)
D. Special Topics: Presentation Skills for Success (5)

Teacher Certification Program (TEDUC)

451 Topics in Literacy Instruction: Beginning and Remedial Reading (3)
Designed to provide students with both the theoretical and empirical foundations for designing and delivering beginning and remedial instruction. Content includes assumptions underlying the two major approaches to beginning reading instruction, evaluation and modification of curriculum materials, and methods for monitoring student progress toward literacy.

See the Time Schedule section, pages 91-137, for class dates and times.
See the Quick Reference Guide to Quarter Deadlines, pages 138-139, for important dates and deadlines.
463 Topics in Content Instruction: Arts in the Schools (2)
This course will explore the domain of the arts, particularly music, drawing, painting and three dimensional expressions such as pottery, sculpture and architecture, to find means of better integrating arts and arts instruction into the school curriculum.

471 Diversity and Equity in Schools and Curriculum (3)
Designed to help prospective teachers acquire instructional methods and multicultural understanding necessary to address the learning needs of a diverse student population.

472 Theories of Child Development and Learning (3)
Designed to give preservice teachers the theoretical, conceptual and empirical bases to examine learners, learning and teaching. The translation of theory into practice using classroom examples is also emphasized.

473 Classroom Assessment (3)
Helps teachers explore various forms of assessment and understand their effects on students.

494 Literacy in Science and Mathematics (3)
This course provides K-8 certification students with the essential content knowledge in science and mathematics to serve as a foundation for science and mathematics teaching.

Master of Education Program (TEDUC)

503 Education in Society: Institutional Perspectives (3)
An examination of schools from an "internal" perspective, focusing particularly on student cultures, pedagogical modes, organizational dynamics, and other factors that mediate the teaching and learning context. A central objective of the course is to nurture critical reflection on schooling that results in ethically grounded teaching that is sensitive to ambiguities and contradictions in the schooling process. Prerequisite: 501.

533 Self-Esteem, Self-Concept, and Self-Efficacy: Curricular and Instructional Issues (3)
This course will provide information on research and theory in the psychological constructs related to self. Students will explore how to translate research into classroom practice in various content areas, especially for the gifted and at-risk student populations.

535 Integrated Curriculum: Exploring Critical Issues in Health and Society Through Children's and Young Adult Literature (3)
Health issues have become of personal and societal concerns. The purpose of this course is to provide relevant information on current health issues, to create conceptual framework on health education, and to explore ways to integrate health issues with reading, writing, literature, social studies and health sciences in the K-12 curriculum.

“I enjoyed my summer school experience. The course was great. I gained a large amount of new information that is useful in my professional and private life.”
Shannon Heckelmeiller Past UW Summer Student

Special Education (TEDSP)

547 Special Education and the Law (3)
A broad introduction to the laws, regulations and court decisions that directly affect the actions and decisions made by teachers and administrators, with a special emphasis on the education of students with disabilities. Offered jointly with TEDUC 547.

Courses by special arrangement
Independent Study, Practicum, Culminating Project

Liberal Studies (TLS)

453 Health, Illness and Culture (5)
This course will explore meanings of health and illness in contemporary American culture. We will also consider historical, cross-cultural and literary examples. Conversely, health, illness and therapeutic and preventive practices provide crucial insights into aspects of American culture and society.

490 Special Topics
XA. The Art Scene (5)
XB. Fundamentals of Fiction (5)

490A Special Topics
X. The History of Jazz (5)

Liberal Studies: Comparative U.S. Studies (TLSUS)

322 American Labor Since the Civil War (5)
A history of workers and labor institutions from the era of industrialization to the post-industrial era, focusing on labor-management conflict, the rise and fall of unions, and on the role of government, the media, an other forces in determining events. The course will conclude with an assessment of labor today.

485 Media Genres: Film Comedy (5)
Study of genre, the thematic classification of films and television programming. What are the "rules" of a genre and how may a particular movie or TV program bend them? How does a genre evolve over time, and what is its social and historical relevance? How has the industry used genres? Specific topics will vary, but might include comedy, news/documentary, musical and social-problem melodramas. May be repeated for credit with instructor's approval.
**Liberal Studies: Comparative International Study (TLSIN)**

**315A Europe in the 20th Century (5)**
An interdisciplinary examination of the major political, social and cultural developments in Europe during the 20th century. The course will look at two world wars, at fascism and communism as alternatives to parliamentary democracy, at Europe's remarkable revival in the era since 1945, and conclude with an examination of the new integration of Europe and its prospects for reestablishing its former world prominence in the future.

**324A Modern Latin America (5)**
A multidisciplinary examination of Latin America, with a social science emphasis. The course includes a brief history of the region, a sociological analysis of various Latin American institutions (the church, the military, the labor movement, etc.), a consideration of migration issues and development economics, and a brief section on culture. The course concludes with an examination of contemporary Latin American political and social issues.

**335A Religion in the Modern World (5)**
Intellectual questions raised by thinkers such as Darwin, Marx and Freud were complemented by social and political movements to privatize religion, effectively removing it from public life. We will consider both the intellectual and social transformations of religion in the modern western milieu, and also examine the contrasting situation in less secular non-western societies.

**384A Arts and Culture of Japan (5)**
This course combines history, anthropology, religion and art history to seek insights into Japanese civilization. Ethnographic texts and class discussions will be used to explore aspects of daily life in 20th century Japan. Japanese representations of reality—nature, society, history, persons, morality, aesthetics, time, space and meaning—will be explored through readings and slide lectures that will consider how the Japanese themselves have historically expressed their distinctive, cultural realites in the visual forms of painting, sculpture and architecture.

**403 Introduction to Research in Nursing (3)**

**429A Topics in States and Markets: Vietnam (5)**

**435A Popular Movements in Latin America (5)**
An examination of popular movements in Latin America. This course will include historical background of modern popular organizations, an analysis of the evolution of the term "popular movement," and discussions of contemporary trade unionism, grass-roots peoples' initiatives, cooperative movements, guerrilla organizations, human rights groups and feminist movements.

**466A Modernity and its Critics (5)**
A consideration of various attempts to specify and critique the contours of modernity in culture, philosophy and political economy. Some of the selected themes for this seminar will include the impact of Cartesian philosophy, science and rationality on our concepts of the world, ourselves, our bodies, time, and human relations; how the market economy, industrialization and the modern state have changed a similar range of understandings and experience; and how new forms of power and knowledge have shaped everyday life. May be repeated for credit with instructor's approval.

**489A Topics in Cultural Expression: Russian History Through Soviet Film (5)**

Courses by special arrangement
- Internship, Senior Thesis, Directed Readings, Undergraduate Research

**Nursing Program (T NURS)**

**340 Clinical Nursing Phenomena (3)**
Selected clinical phenomena examined from the perspective of physiologic, pathophysiologic, experiential and behavioral responses to life events and alterations in states of health and illness. Relationship of nursing therapies to each perspective and influence of lifespan and sociocultural factors are identified.

**350 Decision Making and Therapeutics in Nursing (3)**
Focuses on types of thinking and writing germane to learning and practice in nursing, including self assessment, understanding and producing written communication, abstract thinking, group dialogue, evaluating points of view, problem solving, clinical decision-making. Provides opportunity for application in discipline-related issues and frameworks.

**450 Connected Learning (1)**
An opportunity and three-quarter requirement for nursing students to participate in a small-group learning community with a faculty member. Focus is on dialogue, understanding others' perspectives, building community and integration of concurrent learning in other courses.
Time Schedule

The information published in this bulletin is subject to change. The instructor for a particular course may change, or the instructor may use assistants to teach the course and courses may not meet each day listed. Additionally, courses listed may be cancelled due to insufficient enrollment. Departmental phone numbers and course descriptions are included in the course listing section, pages 8-90. For information about STAR registration, see How to Register Using STAR, pages 148-150. See pages 164-165 for a list of department, major, and college codes which may appear on your registration confirmation. See page 179 for a guide to classroom locations. Distance learning courses are not listed in the Time Schedule section of this bulletin. To register for distance learning courses, call (206) 543-2310 or 1-800-543-2320.

Abbreviations and symbols used to indicate course requirements

Some courses have special requirements for registration. These requirements, listed below the course title in the Time Schedule section, are indicated by the following abbreviations and symbols:

> Entry code or faculty number required to enroll.

Class Location
If followed by **, the location is to be arranged.

CR/NC ONLY
Course is offered for credit/no credit grading only. See page 147 for more grade information.

ARR
Days and times to be arranged.

Sample of a Time Schedule listing

Department: ENGL
Course number: 485
Course title: NOVEL WRITING (VLPA)
Class location: M 600-900P
Instructor: BOSWORTH

Schedule line number (SLN): >1860
Section: U
Credits: 5

Entry code or faculty number required symbol:

<table>
<thead>
<tr>
<th>Department</th>
<th>Course number</th>
<th>Course title</th>
<th>General Education Requirement</th>
<th>Class location</th>
<th>Instructor</th>
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<tr>
<td>ENGL</td>
<td>485</td>
<td>NOVEL WRITING (VLPA)</td>
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<td>M 600-900P</td>
<td>BOSWORTH</td>
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ADD CODE PDL 025; PREREQ: ENGL 484 OR EQUIV; WRITING SAMPLE; PLUS 2 HRS*

Comments and registration restrictions

Credit
2.5 means 2 1/2 credit
(\) means "or"
(-) means "to"
VAR means variable credit and any number of credits may be elected (however, fractional credit registration - e.g., 1/2 credit is not allowed in variable-credit courses).

General education requirements

VLPA = Visual, literary and performing arts
I&S = Individual and society
NW = Natural world
GE = Nonspecified general education
QSR = Quantitative, symbolic or formal reasoning
C = English composition
## Architecture & Urban Planning

### Architectural Studies

<table>
<thead>
<tr>
<th>DEPT COURSE</th>
<th>TITLE</th>
<th>CRED</th>
<th>DAY</th>
<th>TIME</th>
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<tr>
<td>ARCH 101</td>
<td>Applied Arch II (VLPA)</td>
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<td>M</td>
<td>1100-1110</td>
<td>AC 124</td>
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<td>ARCH 403</td>
<td>Architecture Problems</td>
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<td>0800-0900</td>
<td>AC 147</td>
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<td>ARCH 418</td>
<td>Arch Sketching</td>
<td>3</td>
<td>T</td>
<td>1100-1110</td>
<td>GLD 106</td>
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<td>ARCH 420</td>
<td>Structural Design I</td>
<td>3</td>
<td>T</td>
<td>0800-0900</td>
<td>AC 124</td>
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<tr>
<td>ARCH 462</td>
<td>Puget Sound Architecture</td>
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### Summer Quarter Time Schedule

#### College of Arts & Sciences

##### American Ethnic Studies, Dept. of

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##### ASIAN-AMERICAN STUDIES

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##### ANTHROPOLOGY, DEPARTMENT OF

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See pages 99-104 for course descriptions, page 91 on how to read time schedule, and pages 139-139 for important dates and deadlines.
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The above text contains course information for various departments at the University of Washington, including courses in archaeology, biology, mathematics, and art. The courses listed include both introductory and advanced level courses, with specific details such as the day, time, room, and instructor for each course. The text is formatted in a table for ease of reading and understanding.
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See pages 9-90 for course descriptions, page 91 on how to read time schedule, and pages 138-139 for important dates and deadlines.
BOOTANY 897 ADVANCED READING IN BIOT

+1322 A 1-3 TO BE ARRANGED + CREDIT/NO CREDIT ONLY INSTRUCTOR I.O. HIC 450

BOOTANY 898 FIELD STUDIES IN BIOT

+1323 A 1-3 TO BE ARRANGED + CREDIT/NO CREDIT ONLY INSTRUCTOR I.O. HIC 450

BOOTANY 899 LAB STUDIES IN BIOT

+1334 A 1-3 TO BE ARRANGED + CREDIT/NO CREDIT ONLY INSTRUCTOR I.O. HIC 450

BOOTANY 600 INDEPENDENT STUDY/RESE

+1335 A 1-3 TO BE ARRANGED + CREDIT/NO CREDIT ONLY INSTRUCTOR I.O. HIC 450

BOOTANY 800 DOCTORAL DISSERTATION

+1336 A 1-3 TO BE ARRANGED + CREDIT/NO CREDIT ONLY INSTRUCTOR I.O. HIC 450

CHEMISTRY

ALL OVERLOADS FOR CHEM LAB COURSE WILL BE MADE AVAILABLE ON SITE DURING REGISTRATION PERIOD. ADD CODES AND ADD CODES ARE REQUIRED FOR ALL CHEM LAB COURSES DURING PERIODS 84-85 AVAILABLE IN BAC 317, M-F 8:00 AM-4:10 PM.

CHEM 120 INTRO GEN CHEM (NW,GSRP)

+1337 A 5 MT/W 101-100 BAG 160 + CREDIT REQUIRED (PD.3) DROP CODE REQUIRED (PD.364)

+1338 A 5 MT/W 101-100 BAG 160 + CREDIT REQUIRED (PD.3) DROP CODE REQUIRED (PD.364)

CHEM 140 SPECIAL PROBLEMS

+1339 A 1-6 TO BE ARRANGED + CREDIT/NO CREDIT ONLY INSTRUCTOR I.O. BAG 160

+1400 B 1-6 TO BE ARRANGED + CREDIT/NO CREDIT ONLY INSTRUCTOR I.O. BAG 160

CHEM 220 INTRO ORG & BIOPH (NW)

+1401 A 5 MT/W 890-940 BAG 140 + CREDIT REQUIRED (PD.3) DROP CODE REQUIRED (PD.364)

+1402 A 5 MT/W 890-940 BAG 140 + CREDIT REQUIRED (PD.3) DROP CODE REQUIRED (PD.364)

CHEM 223 ORG CHEM SHORT PROG (NW)

+1403 A 4 MWF 940-1100 CHS 101

+1404 A 4 MWF 940-1100 CHS 101

+1405 A 4 MWF 940-1100 CHS 101

+1406 A 4 MWF 940-1100 CHS 101

CHEM 224 ORG CHEM SHORT PROG (NW)

+1407 A 4 MWF 940-1100 CHS 101

+1408 A 4 MWF 940-1100 CHS 101

+1409 A 4 MWF 940-1100 CHS 101

+1410 A 4 MWF 940-1100 CHS 101

CHEM 227 ORGANIC CHEMISTRY (NW)

+1411 A 5 MT/W 101-130 BAG 140

+1412 A 5 MT/W 101-130 BAG 140

+1413 A 4 MT/W 1200-1400 BAG 140

+1414 A 4 MT/W 1200-1400 BAG 140

CHEM 240 ORGANIC CHEMISTRY (NW)

+1415 A 5 MT/W 101-130 BAG 140

+1416 A 5 MT/W 101-130 BAG 140

+1417 A 5 MT/W 101-130 BAG 140

+1418 A 5 MT/W 101-130 BAG 140

CHEM 250 INORGANIC CHEMISTRY (NW)

+1419 A 5 MT/W 101-130 BAG 140

+1420 A 5 MT/W 101-130 BAG 140

+1421 A 5 MT/W 101-130 BAG 140

+1422 A 5 MT/W 101-130 BAG 140

CHEM 262 GENERAL CHEMISTRY (NW)

+1423 A 5 MT/W 890-940 BAG 140

+1424 A 5 MT/W 890-940 BAG 140

+1425 A 5 MT/W 890-940 BAG 140

+1426 A 5 MT/W 890-940 BAG 140
### CHEMISTRY CONT'D

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### Comparative History of Ideas

A complete list of CHED core courses are available at the CHED office, Pol 8102 or call 943-7333.

- **CHED 207 Int’l Intell Hist (1-126)**
  - MTWThF
  - Instructor I.D. Pol 8102
- **CHED 300 Collog Hist Ideas (1-126)**
  - MTWThF
  - Instructor I.D. Pol 8102
- **CHED 404 Senior Thesis (1-126)**
  - MTWThF
  - Instructor I.D. Pol 8102

### Comparative Literature

- **C Lit 230 Intro to Folklor (VLP/AS)**
  - MTWThF 1220-1230
  - Instructor I.D. Pol 8102

### Dance

#### Dance 101 Intro to Dance (VLP/AS)
- MTWThF 1210-1230
- Instructor I.D. Pol 8102

#### Dance 201 Performance Prac (VLP/AS)
- MTWThF 1210-1230
- Instructor I.D. Pol 8102

#### Dance 302 Play Analysis (VLP/AS)
- MTWThF 1210-1230
- Instructor I.D. Pol 8102

#### Dance 316 Theatrical Make-Up (VLP/AS)
- MTWThF 1210-1230
- Instructor I.D. Pol 8102

#### Dance 317 Theatrical Makeup (VLP/AS)
- MTWThF 1210-1230
- Instructor I.D. Pol 8102

#### Dance 417 Costum Prac & Cntrr (VLP/AS)
- MTWThF 1210-1230
- Instructor I.D. Pol 8102

#### Dance 494 Projects in Acting (VLP/AS)
- MTWThF 1210-1230
- Instructor I.D. Pol 8102

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### Communications

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### Comparative History of Ideas

A complete list of CHED core courses are available at the CHED office, Pol 8102 or call 943-7333.
## Summer Quarter Time Schedule

### DRAMA CONT’D

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<td>DRAMA</td>
<td>460</td>
<td>INTRO TO DIRECTING (VLPA)</td>
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<td>ELEMENTARY DIRECTING (VLPA)</td>
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<td>MODERN EUROPEAN THEATRE (VLPA)</td>
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### ECONOMICS

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<td>SUNDAY W</td>
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### Other Courses

- **H** = Honors course
- **ICW** = Limited enrollment in this section. Students must obtain entry code or faculty number.
- **NEW** = New course

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See pages 9-90 for course descriptions, page 91 on how to read time schedule, and pages 138-139 for important dates and deadlines.

**VLPA** = Visual, literary and performing arts
**HRG** = Individuals and societies
**NAT** = Natural world
**QR** = Quantitative, symbolic or formal reasoning
**C** = English composition
### ENGLISH CONT'D

Please note: students not previously admitted to the university of Washington (nonmatriculated status) may enroll in English 111, 121, 131, 186, 187, 188 only if they have met the following prerequisite: score of at least 510 on TOEFL or one of these equivalent scores: 90 on the MELAB, 410 on the SAT-VERBAL, 900 on the SAT-MATH (received), or 20 on the ACT English. For more information or to obtain approval, contact the English advising office, PDL A-2-8, (206) 546-2844.

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### ENGLISH 131 COMPOSITION: EXPOSITORY (C)

1964 A 5 MNTW 830-910 SAV 132

NO M NAY MAJORS NO AUDITORS NO OVERLOADS

PLUS 1 HS WE *

### ENGLISH 200 READING LITERATURE (VLPA)

1964 A 5 MNTW 940-1040 CRK 120

NO M NAY MAJORS NO AUDITORS NO OVERLOADS

PLUS 1 HS WE *

### ENGLISH 211 MODERN LIT (VLPA)

1965 A 5 MNTW 1050-1150 LRE 101

ADD CODE REQUIRED (PD. 3)

ADD CODE FROM INSTRUCTOR (PD. 1)

### ENGLISH 212 LIT ENGLISH & REVOL (VLPA)

1965 A 5 MNTW 940-1040 CNU 120

ADD CODE REQUIRED (PD. 3)

ADD CODE FROM INSTRUCTOR (PD. 2)

### ENGLISH 213 MODERN POST MOD LIT (VLPA)

1965 A 5 MNTW 930-930 LRE 102 WACKER, N

ADD CODE REQUIRED (PD. 3)

ADD CODE FROM INSTRUCTOR (PD. 3)

### ENGLISH 225 SHAKESPEARE (VLPA)

1964 A 5 MNTW 1200-1300 SAV 240 ALFAR, C

ADD CODE REQUIRED (PD. 3)

ADD CODE FROM INSTRUCTOR (PD. 3)

### ENGLISH 226 ENGL LIT-TO 1900 (VLPA)

1965 A 5 MNTW 800-1040 EEB 045 SIMMONS-DUNlop, L

ADD CODE REQUIRED (PD. 3)

ADD CODE FROM INSTRUCTOR (PD. 3)

### ENGLISH 229 LIT: 1900-1980 (VLPA)

1965 A 5 MNTW 940-1150 LRE 102 VANDERBERG, S

ADD CODE REQUIRED (PD. 3)

ADD CODE FROM INSTRUCTOR (PD. 3)
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**GENERAL STUDIES**

| GEN ST 530 INDEPENDENT FLOWK | 1915 A 1-6 TO BE ARRANGED | CREDIT/NO CREDIT ONLY | INSTRUCTOR I.D., 2103 |
| GEN ST 581 GRAD RESEARCH | 1915 A 3 TO BE ARRANGED | CREDIT/NO CREDIT ONLY | INSTRUCTOR I.D., 2103 |
| GEN ST 580 DOCTORAL DISSERTATION | 1915 A 3-10 TO BE ARRANGED | CREDIT/NO CREDIT ONLY | INSTRUCTOR I.D., 2103 |

**GENETICS**

| GENET 271 INTRO GENETICS (BW) | 2312 A 5 MATH 1050-1150 AND 221 | CREDIT/NO CREDIT ONLY | INSTRUCTOR I.D., 2103 |
| GENET 501 INT RANCH MATERIAL | 2314 A 3 TO BE ARRANGED | CREDIT/NO CREDIT ONLY | INSTRUCTOR I.D., 2103 |
| GENET 600 INDEPENDENT STUDY/R | 2315 A 3 TO BE ARRANGED | CREDIT/NO CREDIT ONLY | INSTRUCTOR I.D., 2103 |
| GENET 700 MASTERS THESIS | 2317 A 1-9 TO BE ARRANGED | CREDIT/NO CREDIT ONLY | INSTRUCTOR I.D., 2103 |
| GENET 600 DOCTORAL DISSERTATION | 2319 A 3 TO BE ARRANGED | CREDIT/NO CREDIT ONLY | INSTRUCTOR I.D., 2103 |

**GEOGRAPHY**

| GEOG 100 INTRO TO GEOGRAPHY (BS) | 2120 AA 1 MATH 1050-1150 SN 102 | CLARKER, R | |
| GEOG 102 WORLD REGIONS (BS) | 2120 A 5 MATH 1050-1150 SN 102 | CLARKER, R | |
| GEOG 205 PHYSICAL ENVIRONMENT (NW) | 2120 A 1 MATH 940-1150 SN 102 | ZUNKEINER, C | |
| GEOG 207 ECONOMIC GEOGRAPHY (BS) | 2120 A 1 MATH 1050-1150 SN 102 | WALTERS, J | |
| GEOG 277 GEOGRAPHY OF U.S. | 2120 A 1 MATH 940-1150 SN 102 | WALTERS, J | |
#### GEOLOGY

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<td>1100-1150</td>
<td>SWI 107</td>
<td>FALCIAJAMA</td>
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<td>Prose Resource Mgmt (GEO)</td>
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#### GERMANY

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#### HISTORY

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#### INDEPENDENT STUDY

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See pages 90-93 for course descriptions, page 91 on how to read time schedule, and pages 138-139 for important dates and deadlines.

VLPA = Visual, literary and performing arts
I&S = Individuals and societies
NW = Natural world
QSR = Quantitative, symbolic or formal reasoning
C = English composition
<table>
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**ROMANCE LINGUISTICS**

**MATH 361 DIFF EQUATIONS (NW)***

**MATH 382 LINK ALG & NUM ANLY (NW)***

**MATH 393 PARTIAL DIFF EQNS (NW)***

**MATH 390 PROB STAT ENG SCI (NW)***

**MATH 394 PROBABILITY I (NW)***

**MATH 395 PROBABILITY II (NW)***

**MATH 402 INTRO MODR ALGEBRA (NW)***

**MATH 403 INTRO MODR ALGEBRA (NW)***

**MATH 407 LINEAR OPTIMIZATION (NW)***

**MATH 411 INTRO MODR ALG-TCR (NW)***

**MATH 412 INTRO MODR ALG-TCR (NW)***

**MATH 420 HISTORY OF MATH (NW)***

**MATH 427 TOPS IN APPL ALYS (NW)***

**MATH 428 TOPS IN APPL ALYS (NW)***

**MATH 429 TOPS IN APPL ALYS (NW)***

**MATH 444 GEOMETRY FOR TEACHRS (NW)***

**MATH 450 HONORS SR THR (NW)***

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**INTERNATIONAL STUDIES (RUSSIAN, European & CENT ASIAN) CONT'D**

**SISSE 600 INDEPENDST STYR/RSC**

**SISRE 600 INDEPENDST STYR/RSC**

**SISSE 700 MASTERS THESIS**

**SISGA 499 UNDERGRAD RESEARCH**

**SISGA 499 UNDERGRAD RESEARCH**

**SISGA 700 MASTERS THESIS**

---

**INTERNATIONAL STUDIES (SOUTH ASIAN)**

**SISGA 221 HISTORY OF SE ASIA (INS)**

**SISGA 499 UNDERGRAD RESEARCH**

---

**LINGUISTICS, DEPARTMENT OF LINGUISTICS**

**LING 200 INTRO LING THOUGHT (VLP/ABG,OSR)**

**LING 203 INTRO TO ANT H LING (VLP/ALB)**

**LING 449 SECOND-LANG LING (VLP/ALP)**

**LING 451 PHONOLOGY I (VLP/ALP)**

**LING 452 PHONOLOGY II (VLP/ALP)**

**LING 461 SYNTAX I (VLP/ALP)**

**LING 482 SYNTAX II (VLP/ALP)**

**LING 499 UNDERGRAD RESEARCH**

**LING 600 INDEPENDST STYR/RSC**

**LING 700 MASTERS THESIS**
### Mathematics Courses

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### Music Courses

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### Summer Quarter Time Schedule

#### DEPT COURSE SLN SECTION TITLE CRD DAY TIME BLDG ROOM INSTRUCTOR
| MATH 400 SP EC TOPICS IN MATH | 2601 A 1-3 TO BE ARRANGED |
| MATH 400 UNDERGRAD RESEARCH | 2601 A 1-3 TO BE ARRANGED |
| MATH 510 SEMINAR IN ALGEBRA | 2604 A 2 TO BE ARRANGED |
| MATH 630 SEMINAR IN ANALYSES | 2606 A 2 TO BE ARRANGED |
| MATH 570 SEMINAR IN TOPOLOGY | 2612 A 2 TO BE ARRANGED |
| MATH 500 SEMINAR ON TRAJECTORY | 2615 A 2 TO BE ARRANGED |
| MATH 505 SEMINAR ON TECHNICAL | 2615 A 1-3 TO BE ARRANGED |
| MATH 506 INDEPENDENT STUDY/SCH | 2616 A 1-3 TO BE ARRANGED |
| MATH 507 INDEPENDENT PROJECT | 2617 A 1-3 TO BE ARRANGED |
| MATH 508 INDEPENDENT PROJECT | 2618 A 1-3 TO BE ARRANGED |
| MATH 509 INDEPENDENT PROJECT | 2619 A 1-3 TO BE ARRANGED |
| MATH 600 INDEPENDENT STUDY/SCH | 2620 A 1-3 TO BE ARRANGED |
| MATH 600 INDEPENDENT STUDY/SCH | 2621 A 1-3 TO BE ARRANGED |
| MATH 600 INDEPENDENT STUDY/SCH | 2622 A 1-3 TO BE ARRANGED |
| MATH 600 INDEPENDENT STUDY/SCH | 2623 A 1-3 TO BE ARRANGED |
| MATH 600 INDEPENDENT STUDY/SCH | 2624 A 1-3 TO BE ARRANGED |
| MATH 600 INDEPENDENT STUDY/SCH | 2625 A 1-3 TO BE ARRANGED |
| MATH 600 INDEPENDENT STUDY/SCH | 2626 A 1-3 TO BE ARRANGED |
| MATH 600 INDEPENDENT STUDY/SCH | 2627 A 1-3 TO BE ARRANGED |
| MATH 600 INDEPENDENT STUDY/SCH | 2628 A 1-3 TO BE ARRANGED |
| MATH 600 INDEPENDENT STUDY/SCH | 2629 A 1-3 TO BE ARRANGED |
| MATH 600 INDEPENDENT STUDY/SCH | 2630 A 1-3 TO BE ARRANGED |
| MATH 600 INDEPENDENT STUDY/SCH | 2631 A 1-3 TO BE ARRANGED |
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| MATH 600 INDEPENDENT STUDY/SCH | 2636 A 1-3 TO BE ARRANGED |
| MATH 600 INDEPENDENT STUDY/SCH | 2637 A 1-3 TO BE ARRANGED |
| MATH 600 INDEPENDENT STUDY/SCH | 2638 A 1-3 TO BE ARRANGED |
| MATH 600 INDEPENDENT STUDY/SCH | 2639 A 1-3 TO BE ARRANGED |
| MATH 600 INDEPENDENT STUDY/SCH | 2640 A 1-3 TO BE ARRANGED |
| MATH 600 INDEPENDENT STUDY/SCH | 2641 A 1-3 TO BE ARRANGED |
| MATH 600 INDEPENDENT STUDY/SCH | 2642 A 1-3 TO BE ARRANGED |
| MATH 600 INDEPENDENT STUDY/SCH | 2643 A 1-3 TO BE ARRANGED |
| MATH 600 INDEPENDENT STUDY/SCH | 2644 A 1-3 TO BE ARRANGED |
| MATH 600 INDEPENDENT STUDY/SCH | 2645 A 1-3 TO BE ARRANGED |
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| MATH 600 INDEPENDENT STUDY/SCH | 2649 A 1-3 TO BE ARRANGED |
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| MATH 600 INDEPENDENT STUDY/SCH | 2652 A 1-3 TO BE ARRANGED |
| MATH 600 INDEPENDENT STUDY/SCH | 2653 A 1-3 TO BE ARRANGED |
| MATH 600 INDEPENDENT STUDY/SCH | 2654 A 1-3 TO BE ARRANGED |
| MATH 600 INDEPENDENT STUDY/SCH | 2655 A 1-3 TO BE ARRANGED |
| MATH 600 INDEPENDENT STUDY/SCH | 2656 A 1-3 TO BE ARRANGED |
| MATH 600 INDEPENDENT STUDY/SCH | 2657 A 1-3 TO BE ARRANGED |
| MATH 600 INDEPENDENT STUDY/SCH | 2658 A 1-3 TO BE ARRANGED |
| MATH 600 INDEPENDENT STUDY/SCH | 2659 A 1-3 TO BE ARRANGED |
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| MATH 600 INDEPENDENT STUDY/SCH | 2662 A 1-3 TO BE ARRANGED |
| MATH 600 INDEPENDENT STUDY/SCH | 2663 A 1-3 TO BE ARRANGED |
| MATH 600 INDEPENDENT STUDY/SCH | 2664 A 1-3 TO BE ARRANGED |
| MATH 600 INDEPENDENT STUDY/SCH | 2665 A 1-3 TO BE ARRANGED |
| MATH 600 INDEPENDENT STUDY/SCH | 2666 A 1-3 TO BE ARRANGED |
| MATH 600 INDEPENDENT STUDY/SCH | 2667 A 1-3 TO BE ARRANGED |
| MATH 600 INDEPENDENT STUDY/SCH | 2668 A 1-3 TO BE ARRANGED |
| MATH 600 INDEPENDENT STUDY/SCH | 2669 A 1-3 TO BE ARRANGED |
| MATH 600 INDEPENDENT STUDY/SCH | 2670 A 1-3 TO BE ARRANGED |
| MATH 600 INDEPENDENT STUDY/SCH | 2671 A 1-3 TO BE ARRANGED |
| MATH 600 INDEPENDENT STUDY/SCH | 2672 A 1-3 TO BE ARRANGED |
| MATH 600 INDEPENDENT STUDY/SCH | 2673 A 1-3 TO BE ARRANGED |
| MATH 600 INDEPENDENT STUDY/SCH | 2674 A 1-3 TO BE ARRANGED |

See pages 9-40 for course descriptions, page 91 on how to read time schedule, and pages 139-139 for important dates and deadlines.

H = Honors course
PD1 = Period I (April 27-May 25)
M = Majors
PD2 = Period II (May 26-June 21)
W = Students
PD3 = Period III (June 22-June 28)
N = Non-majors
New course
NW = Natural world
Late Add Period = June 29-July 12
## MUSIC

### MUSIC 650 MASTERS RECITAL
- A 3 A TO BE ARRANGED

### MUSIC 680 ADVANCED CONDUCTING
- 2874 A 3 MUSIC 813-1000 HUS 035 SALZMAN, T
  - TERM A INSTRUMENTAL
- 2874 A 4 MUSIC 813-1000 HUS 035 SALZMAN, T
  - TERM A INSTRUMENTAL

### MUSIC 680 DOCTORAL RECITAL
- 2879 A 2 A TO BE ARRANGED

### MUSIC 690 ADVANCED TOPICS
- 2876 A 3 M 1209-600 HUS 232 NETTL, S
  - FS 900-600 HUS 027

### MUSIC 700 MASTERS THESIS
- 2879 A 2 A TO BE ARRANGED

### MUSIC 700 DOCTORAL DISSERTATION
- 2879 A 2 A TO BE ARRANGED

### MUSIC EDUCATION

**ENTRY CODES ARE AVAILABLE IN HUS 116**

**MUSIC 405 MARCHING BAND TECHS**
- 2824 A 2 MUSIC 1030-1200 HUS 313 SALZMAN, T
  - TERM A JUNE 22 - JUL 3

**MUSIC 410 INST REHEARSAL TECH**
- 2824 A 3 MUSIC 120-320 HUS 313 SALZMAN, T
  - TERM A JUNE 22 - JUL 7

**MUSIC 479 TCHE MUSIC OF CLTVERS**
- 2824 A 1 MUSIC 130-220 HUS 313 CAMPBELL, P
  - TERM A 7/7 AND 7/9 ISSUES

**MUSIC 480 SPEC MUS ED TOPICS**
- 2824 A 1 MUSIC 350-600 HUS 035 CUNNINGHAM, R
  - TERM A REMOVING THE FEAR OF IMPROVISATION 6/21- 6/39

**MUSIC 480 JAZZ LIT & REHEARSAL TECH**
- 2824 A 2 MUSIC 130-300 HUS 035 CUNNINGHAM, R
  - TERM A JAZZ LIT & REHEARSAL TECHNIQUES 6/29 - 7/30

**MUSIC 480 CHORAL REPERTOIRE**
- 2824 A 1 MUSIC 300-600 HUS 124 ROGERS, G
  - TERM A CHORAL REPERTOIRE 6/29 - 7/3

**MUSIC 480 ADVANCED CONDUCTING**
- 2879 A 2 MUSIC 120-320 HUS 313 SALZMAN, T
  - TERM A INSTRUMENTAL

**MUSIC 480 DOCTORAL RECITAL**
- 2879 A 2 A TO BE ARRANGED

### MUSIC 580 CONTEMP ISSUES ME
- 2840 A 3 MUSIC 1100-1200 HUS 017 CAMPBELL, P
  - TERM A

### MUSIC ENSEMBLE

**MUSIC 300 UNIV SYMPHONY ORCH**
- 2844 U 1 MUSIC 700-900 HUS 035 MORRIS, R
  - OFFERED JOINTLY WITH MUSIC 102

**MUSIC 302 SYMPHONIC BAND**
- 2844 U 1 MUSIC 700-900 HUS 035 SALZMAN, T
  - OFFERED JOINTLY WITH MUSIC 302

**MUSIC 300 UNIVERSITY CHORALE**
- 2844 U 1 MUSIC 700-900 HUS 035 SALZMAN, T
  - OFFERED JOINTLY WITH MUSIC 302

**MUSIC 300 SEMI-MUS MUS RESEARCH**
- 2793 A 3 MUSIC 1300-1350 HUS 112 TAKICANI, J
  - TERM A

### NEAR EASTERN LANGUAGES & CIVILIZATION

#### ARABIC

**MUSIC 401 INTENSIVE ELEM ARAB**
- 2824 A 3 MUSIC 810-1300 HUS 312 NO PRECED: OPEN TO ALL CLASS LEVELS

### HEBREW

**MUSIC 510 INTENSIVE ELEM HEBREW**
- 2824 A 3 MUSIC 810-1300 HUS 312 NO PRECED: OPEN TO ALL CLASS LEVELS

### NEAR EASTERN LANGUAGES & CIVILIZATION

#### NEAR EASTERN LANGUAGES & CIVILIZATION

**MUSIC 408 SUPERVISED STUDY**
- 2824 A 3 A TO BE ARRANGED
  - INSTRUCTOR I.D. DEN 219

**MUSIC 410 SPECIAL STUDIES**
- 2824 A 3 MUSIC 810-1300 HUS 312 NO PRECED: OPEN TO ALL CLASS LEVELS

**MUSIC 410 SPECIAL STUDIES**
- 2824 A 3 MUSIC 810-1300 HUS 312 NO PRECED: OPEN TO ALL CLASS LEVELS

**MUSIC 410 SPECIAL STUDIES**
- 2824 A 3 MUSIC 810-1300 HUS 312 NO PRECED: OPEN TO ALL CLASS LEVELS

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### POLITICAL SCIENCE CONT'D

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### SOCIETY & JUSTICE

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### Summer Quarter Time Schedule

See pages 9-40 for course descriptions, page 91 on how to read time schedule, and pages 130-139 for important dates and deadlines.

- **VLP** = Visual, literary and performing arts
- **H** = Honors course
- **N&** = Individuals and societies
- **M** = Natural world
- **QSR** = Quantitative, symbolic or formal reasoning
- **C** = English composition
- **PR** = Permanent
- **PD** = Period I (April 27-May 25)
- **PD2** = Period II (May 26-June 21)
- **PD3** = Period III (June 22-28)
- **TD** = Time delayed
- **MA** = Monday
- **TU** = Tuesday
- **WE** = Wednesday
- **TH** = Thursday
- **FR** = Friday
- **SA** = Saturday
- **SU** = Sunday
- **WR** = Written
- **AR** = Arranged
- **NR** = Not required
### Summer Quarter Time Schedule

#### SPANISH CONT'D

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#### SCANDINAVIAN STUDIES, DEPARTMENT OF FINNISH

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#### SWEDISH

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#### SLAVIC LANGUAGES & LITERATURES

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### See pages 9-90 for course descriptions, page 91 on how to read time schedule, and pages 130-139 for important dates and deadlines.

**VLPA** = Visual, literary and performing arts  
**H** = Honors course  
**I&S** = Individuals and societies  
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**QSR** = Quantitative, symbolic or formal reasoning  
**C** = English composition  
**PD1** = Period I (April 27-May 25)  
**PD2** = Period II (May 26-June 21)  
**PDI** = Period I (June 22-28)  
**Late Add Period** = June 29-July 12

111
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**SPEECH COMMUNICATION**

DEPARTMENT RESERVES THE RIGHT TO DROP STUDENTS WHO DO NOT ATTEND CLASS DURING FIRST WEEK OF CLASS. NO CREDIT WILL BE AWARDED TO STUDENTS WHO ATTEND LESS THAN 75% OF THE CLASS HOURS AND REQUIRE PERMISSION TO ADD DURING REGISTRATION PERIOD III. PERMISSION INFORMATION AVAILABLE IN RAO 205. SOME CLASSES REQUIRE PERMISSION TO ADD DURING ALL REGISTRATION PERIODS; SEE INDIVIDUAL COURSE LISTING FOR ADDITIONAL PERMISSION INSTRUCTIONS.

**SUMMER QUARTER TIME SCHEDULE**

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VLP = Visual, literary and performing arts
I&S = Individuals and societies
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QSR = Quantitative, symbolic or formal reasoning
C = English composition
H = Honors course
L = Limited enrollment in this section. Students must obtain entry code or faculty number.
New course
PDI = Period I (April 27-May 25)
PD2 = Period II (May 26-June 21)
PDI = Period III (June 22-28)
Late Add Period = June 29-July 12
STUDENTS NOT A"ENDING

DEPT  U30 A
WOMEN 801
A COUISE MAV IE DIOPPID.
ENTRY CODES ARE AVAILABLE IN LIN TO GRADS.
ANTHROPOLOGY OF MASS MEDIA AND GENDER
WOMEN 407
FIELDWORK WOMEN ST
>1939 A 1-4 TO BE ARRANGED • • CREDIT/NO CREDIT ONLY
EC POL 8110C
WOMEN 409 UNDERGRAD RESEARCH
>1930 A 1-5 TO BE ARRANGED • • EC POL 8110C
WOMEN 801 CROSS DIS TEM THEORY
1935 A 5 MTWTF 220-450 THU 12434 RITSC, N
TEAM B
OFFERED JOINTLY WITH POL S 401, A
ISSUES IN FEMINIST THEORY

ZOOLOGY
ENTRY CODES ARE AVAILABLE IN KZM 104.
STUDENTS NOT ATTENDING THE FIRST LAB MEETING OF A
COURSE MAY BE DROPPED.

ZOO 110 SURVEY OF PHYSIOLOG (NW)
1935 A 5 MTWTF 1200-1400 FRI 13111151, N
ZOO 110 ALL LABS - STUDENTS NOT ATTENDING 1ST
LAB MAY BE DROPPED.

ZOO 110 ELEM PHYSIOLOG LAB (NW)
1935 1 T 830-1030 HEC 145, HAY, N
1934 ZO 1 Th 810-1030 HEC 145, HAY, N
1933 ZP 1 T 110-1130 HEC 145, HAY, N
ZOO 301 INTRODUCTORY PHYSIOLOG (NW)
1936 A 3 NW 940-1030 WED 1064, DAVIS, A
MEETS WRITTN COURSE REQUIREMENT
ZOO 302 INTRO PHYSIOLOG LAB (NW)
1937 ZH 1 W 1200-1400 HEC 147, DAVIS, A
MEETS WRITTN COURSE REQUIREMENT
ZOO 302 ZO 1 W 1200-1400 HEC 147, DAVIS, A
MEETS WRITTN COURSE REQUIREMENT
ZOO 320 NT MRT MARN INVENTS (NW)
1935 AA 4 NW 110-1130 HEC 149, CATLIN, L
PLUS REQUIRED WEEKEND FIELD TRIPS:
ZOO 464 ENTOMOLOGY (NW)
1934 A 3 NW 1010-1130 EER 105, SUGDEN, E
ZOO 465 ENTOMOLOGY LAB (NW)
1934 ZH 2 W 110-120 HEC 443, SUGDEN, E
W 110-120 HEC 443, SUGDEN, E
PREREQUISITE: CONCURRENT OR
PREVIOUS ENROLLMENT IN ZOO 446
ZOO 451 ALL SECTIONS - STUDENTS NOT ATTENDING
1ST LAB MAY BE DROPPED.

ZOO 481 VERTEBRATE ZOOLOGY (NW)
1934 AA 5 WRF 1040-1100 HEC 226, PETERSEN, K
THU 830-1130 HEC 447
PLUS 2 REG WEEKEND FIELD TRIPS:
SCHEDULED IN KZM 160; NOT OPEN TO
THOSE WHO HAVE TAKEN ZOO 362
1934 AB 8 WRF 1040-1100 HEC 447
PLUS 2 REG WEEKEND FIELD TRIPS:
SCHEDULED IN KZM 160; NOT OPEN TO
THOSE WHO HAVE TAKEN ZOO 362
ZOO 495 SPEC PRB IN ZOO
>1934 A 1-5 TO BE ARRANGED • • INSTR I.D. KZM 104 OR CALL 885-8241

ACCOUNTING
ACCTG 210 ACCTC & FIN REPRNTNG
1919 A 5 NW 830-1050 BLN 417
NO FRENSHM
1917 B 5 NW 1050-1100 BLN 302
NO FRENSHM
1918 C 5 YTH 110-130 BLN 202
NO FRENSHM
ACCTG 225 MANAGERIAL ACCTG
1919 A 3 NW 820-1010 BLN 417
NO FRENSHM
1910 B 5 YTH 1050-1100 BLN 314
NO FRENSHM
1911 C 5 NW 110-130 BLN 417
NO FRENSHM
ACCTG 301 INTERMED ACCTG I
1912 A 3 YTH 1050-1220 BLN 414
NO FRENSHM
ACCTG MAJORS ONLY
CONCURRENT ENROLLMENT WTH
B CWU 3027 REG'D, MUST ENROLL
IN B CWU 3027 BEFORE ACCTG
ACCTG 303 INTERMED ACCTG II
1913 A 3 YTH 730-910 BLN 302
NO FRENSHM
ACCTG MAJORS ONLY
ACCTG 311 COST ACCOUNTING
1914 A 3 YTH 110-130 BLN 416
NO FRENSHM
ACCTG MAJORS ONLY
ACCTG 330 ACCTG INFO SYSTEMS
ACCTG MAJORS ONLY
ACCTG 371 AUD & INDR INTSRIP
>1910 A 3 NW 840-1100 BLN 413
CREDIT/NO CREDIT ONLY
NO FRENSHM
ACCTG MAJORS ONLY
ACCTG 411 AUDIT STANDARDS PRN
1913 A 3 YTH 110-130 BLN 416
NO FRENSHM
ACCTG MAJORS ONLY

BUSINESS ADMINISTRATION
SCHOOL OF BUSINESS ADMINISTRATION
ENTRY CODES ARE AVAILABLE IN HZM 310 FOR GRADS.
REGISTRATION IN GRADUATE BUSINESS COURSES 500 A
ABOVE REQUIRES THE APPROVAL OF THE GRADUATE
BUSINESS PROGRAM OFFICE.
THE SCHOOL OF BUSINESS RESERVES THE RIGHT TO
DROP STUDENTS FROM CLASSES WHEN STUDENTS DO NOT
ATTEND DURING THE 1ST WEEK.
ENTRY CODES ARE AVAILABLE IN HZM 317 FOR
UNDERGRAD. THE FIRST DAY OF THE QUARTER THROUGH
LOWER DIVISION BUSINESS COURSES FROM A
COUNSELOR. THE END OF THE TERM, STUDENTS
MUST SEE INSTRUCTORS FOR OVERLOAD OR
ENTRY CODES. INSTRUCTORS 2D'S ARE AVAILABLE FROM
INSTRUCTORS SCHEDULES HAVE BEEN CONFIRMED BY
STARS. CODES ARE GIVEN ON A FIRST-COME, FIRST-
SERVED BASIS. ENTRY CODES ARE AVAILABLE IN HZM
317 FOR UNDERGRAD. THE FIRST DAY OF THE QUARTER
THROUGH THE END OF THE SECOND WEEK. STUDENTS
MUST SEE INSTRUCTORS FOR OVERLOAD OR ENTRY
CODES. INSTRUCTORS 2D'S ARE AVAILABLE FROM
INSTRUCTORS.

BUSINESS ADMINISTRATION, SCHOOL OF
BUSINESS ADMINISTRATION
B A 371 CO-OP IN BUSINESS
>1920 A 1 TO BE ARRANGED • • CREDIT/NO CREDIT ONLY
EC FROM INSTRUCTOR
DOES NOT APPLY TO BA DEGREE

BUSINESS COMMUNICATION
B CMU 301 BASIC WRITTIN BUS CMU
1120 A 4 NW 1130-1230 BLN 309, C.
MEETS WRITTN COURSE REQUIREMENT
NO FRENSHM
B CMU 301 BASIC WRITTIN BUS CMU
1120 A 4 NW 1130-1230 BLN 309, C.
MEETS WRITTN COURSE REQUIREMENT
NO FRENSHM
B CMU 330 ADV WRITTEN BUS CMU
1120 A 4 NW 1130-1230 BLN 408 WENLM,
MEETS WRITTN COURSE REQUIREMENT
NO FRENSHM

BUSINESS ECONOMICS
B ECON 300 MANAGERIAL ECON
1116 A 3 YTH 100-120 BLN 313
NO FRENSHM
B ECON 300 MANAGERIAL ECON
1116 A 3 YTH 100-120 BLN 313
NO FRENSHM

BUSINESS ECONOMICS
B ECON 300 MANAGERIAL ECON
1116 A 3 YTH 100-120 BLN 313
NO FRENSHM

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## ORAL SURGERY

ENTRY CODES ARE AVAILABLE IN SD 028

| O S 560P | P-DR STYS IN O S | 1905 A VAR | TO BE ARRANGED | CREDIT/NO CREDIT ONLY |
| O S 630P | P-O'S CLINIC | 1964 A 2 | TO BE ARRANGED | ULTIMATE,UL |
| O S 651P | P-HARDVIEW ROTAT | 1969 A 10 | TO BE ARRANGED | CREDIT/NO CREDIT ONLY |
| O S 652P | P-TX ROTATION | 1970 A 10 | TO BE ARRANGED | CREDIT/NO CREDIT ONLY |

## PEDIODONTICS

ENTRY CODES ARE AVAILABLE IN SD 038

| PEDO 505 | P-PED DENT | 1311 A 4 | TO | 900-1050 | HST 7453 | DAVIES,J | CREDIT/NO CREDIT ONLY |
| PEDO 506 | P-PED DENT | 1312 A 4 | TO | 900-1050 | HST 7453 | DAVIES,J | CREDIT/NO CREDIT ONLY |

## ORAL BIOLOGY

ENTRY CODES ARE AVAILABLE IN SD 038

| ORALS 560P | P-DR STYS ORALS | 3018 A VAR | TO BE ARRANGED | CREDIT/NO CREDIT ONLY |
| ORALS 560P | P-DR STYS ORALS | 3019 A 2 | TO BE ARRANGED | CREDIT/NO CREDIT ONLY | ADVANCED ORAL PATHOLOGY |

See pages 9-90 for course descriptions, page 91 on how to read time schedule, and pages 138-139 for important dates and deadlines.

VLP = Visual, literary and performing arts
H = Honors course
I&S = Individuals and societies
L = Limited enrollment in this section. Students must obtain entry code or faculty number.
QSR = Quantitative, symbiotic or formal reasoning
C = English composition
PD1 = Period I (April 27-May 25)
PD2 = Period II (May 26-June 21)
PD3 = Period III (June 22-28)
Late Add Period = June 29-July 12

### Summer Quarter Time Schedule

**3030 A** 1, 2, 3, 4, 5 TO BE ARRANGED

**3031 A** 1 TO BE ARRANGED

**3032 A** 1 TO BE ARRANGED

**3033 A** 1 TO BE ARRANGED

**3034 A** 1 TO BE ARRANGED

**3035 A** 1 TO BE ARRANGED

**3036 A** 1 TO BE ARRANGED

**3037 A** 1 TO BE ARRANGED

**3038 A** 1 TO BE ARRANGED

**3039 A** 1 TO BE ARRANGED

**3040 A** 1 TO BE ARRANGED

**3041 A** 1 TO BE ARRANGED

**3042 A** 1 TO BE ARRANGED

**3043 A** 1 TO BE ARRANGED
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### COLLEGE OF EDUCATION

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**EDUCATIONAL LEADERSHIP & POLICY STUDIES**

The College of Education will begin "A" Term Courses on June 24th (Unless otherwise noted).

**EDPSY 490 BASIC EDUC STATISTICS**

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**EDUCATIONAL PSYCHOLOGY**

The College of Education will begin "A" Term Courses on June 24th (Unless otherwise noted).

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See pages 9-90 for course descriptions, page 91 on how to read time schedule, and pages 128-139 for important dates and deadlines.

VLPA = Visual, literary and performing arts
IAIS = Individuals and societies
NW = Natural world
QSR = Quantitative, symbolic or formal reasoning
C = English composition
### Engineering Cont'd

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See pages 9-90 for course descriptions, page 91 on how to read time schedule, and pages 138-139 for important dates and deadlines.
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### SCHOOL OF MEDICINE

Courses described with an A suffix are not graduate courses but are intended for medical students only.

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**Laboratory Medicine**

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**Microbiology**

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**Medical Education**

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**Molecular Biotechnology**

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*See pages 9-90 for course descriptions, page 91 on how to read time schedule, and pages 138-139 for important dates and deadlines.*

VLP A = Visual, literary and performing arts  
H = Honors course  
I& S = Individuals and societies  
N = Natural world  
QSR = Quantitative, symbolic or formal reasoning  
C = English composition  

**PERIOD I**  
April 27-May 25  
**PERIOD II**  
May 26-June 21  
**PERIOD III**  
June 22-July 26  
**Late Add Period**  
June 29-July 12
University of Washington

MOLECULAR BIOLOGY/ECONOMICS CONT'D

DEPT COURSE TITLE SPEC CODE
MOL 501 GEN PHARMACOL LAB 1241 A VAR TO BE ARRANGED *
MOL 502 INT LAB RES PHCOL 1243 A 4 TO BE ARRANGED PHCOL MAJORS ONLY
MOL 503 REG OF CELL FUNCTION 1244 A 1 TO BE ARRANGED CREDIT/NO CREDIT ONLY
PHCOL 501 ION CHANNELS 1251 A 1 TO BE ARRANGED CREDIT/NO CREDIT ONLY
PHCOL 502 REG OF SYNAP TRANS 1246 A 1 TO BE ARRANGED CREDIT/NO CREDIT ONLY

NEUROLOGICAL SURGERY

DEPT COURSE TITLE SPEC CODE
NEUR 548 UNDERGRAD THESIS 1209 A A VAR TO BE ARRANGED * INSTRUCTOR I.D. 700 9TH AVE OR CALL 121-1346
NEUR 549 UNDERGRAD RESEARCH 1210 A A VAR TO BE ARRANGED * INSTRUCTOR I.D. 700 9TH AVE OR CALL 121-1346 FIRST 6 WEEKS
NEUR 550 A 1 TO BE ARRANGED * FAcULTY CODES HSE 4336

NEUROSCIENCES

DEPT COURSE TITLE SPEC CODE
NEUR 598 UNDERGRAD THESIS 1211 A A VAR TO BE ARRANGED *
NEUR 599 UNDERGRAD RESEARCH 1212 A A VAR TO BE ARRANGED *
PATH 801 CELLULAR RESEP BIJ 1213 A 3 TO BE ARRANGED *
PATH 801 EXPERT & NOLECS PATH 1214 A 1 TO BE ARRANGED CREDIT/NO CREDIT ONLY
PATH 803 NEUROPATHOLOGY 1215 A A Var TO BE ARRANGED CREDIT/NO CREDIT ONLY PEAK BY INST
PATH 804 NEUROPATH DEX MOD 1216 A 4 TO BE ARRANGED *
PATH 800 NEUROBIOL LAB 1217 A 4 TO BE ARRANGED *
PATH 500 INDEPEND STUDY 1218 A A VAR TO BE ARRANGED *
PATH 700 MASTERS THESIS 1219 A A VAR TO BE ARRANGED *
PATH 800 DOCTORAL DISSERTATION 1220 A A VAR TO BE ARRANGED *

OBSTETRICS & GYNECOLOGY

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OB GYN 408 UNDERGRAD THESIS 1221 A A VAR TO BE ARRANGED *
OB GYN 499 UNDERGRAD THESIS 1222 A A VAR TO BE ARRANGED *
OB GYN 500 P-PROG TERM ISSUES 1223 A 2 TO BE ARRANGED HILLER,L
OB GYN 570 P-OBGYN INVESTIGA 1224 A A VAR TO BE ARRANGED

OPHTHALMOLOGY

DEPT COURSE TITLE SPEC CODE
OPHTH 408 UNDERGRAD THESIS 1225 A A VAR TO BE ARRANGED *
OPHTH 499 UNDERGRAD RESEARCH 1226 A A VAR TO BE ARRANGED *
OPHTH 501 P-OPHTH PRECEPT 1227 A A VAR TO BE ARRANGED KIENYON,J
EC HSE 88225

ORTHOPEDEICS

DEPT COURSE TITLE SPEC CODE
ORTHP 408 UNDERGRAD THESIS 1228 A A VAR TO BE ARRANGED *
ORTHP 499 UNDERGRAD RESEARCH 1229 A A VAR TO BE ARRANGED *
ORTHP 500 P-OPHTH ORTHOP 1230 A 1 A TO BE ARRANGED *

ORTHOPEDICS

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ORTHOP 499 UNDERGRAD RESEARCH 1232 A A VAR TO BE ARRANGED *
ORTHOP 500 P-OPHTH ORTHOP 1233 A 1 A TO BE ARRANGED *

PATHOLOGY

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OPHTH 505 P-PROG ORTHOP 1234 A 1 A TO BE ARRANGED *

PHARMACOLOGY

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PHCOL 502 REG OF SYNAP TRANS 1236 A A VAR TO BE ARRANGED *
PHCOL 503 REG OF CELL FUNCTION 1237 A A VAR TO BE ARRANGED *
PHCOL 504 REG OF CELL FUNCTION 1238 A A VAR TO BE ARRANGED *
PHCOL 505 P-PROG IN PHCOL 1239 A A VAR TO BE ARRANGED *

PHYSIOLOGY & BIOPHYSICS

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PBIO 408 UNDERGRAD THESIS 1240 A A VAR TO BE ARRANGED *
P 805 P-OBGYN INVESTIGA 1241 A A VAR TO BE ARRANGED EC HSE 88225

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See pages 9-50 for course descriptions, page 91 on how to read time schedule, and pages 138-139 for important dates and deadlines.
## SCHOOL OF MEDICINE
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### ENTRY CODES ARE AVAILABLE IN HSB 88113

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### COLLEGE OF OCEAN & FISHERY SCIENCES

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#### FOOD SCIENCE

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#### SCHOOL OF MARINE AFFAIRS

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#### OCEANOGRAPHY

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#### SCHOOL OF PUBLIC HEALTH & COMMUNITY MED

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See pages 9-10 for course descriptions, page 91 on how to read time schedule, and pages 133-139 for important dates and deadlines.

| VLRP | Visual, literary, and performing arts |
| IAS | Individuals and societies |
| NW | Natural world |
| QSR | Qualitative, symbolic or formal reasoning |
| C | English composition |

Honors course: H
Limited enrollment: >
New course: %
Required: R
Optional: O
# ENVIRONMENTAL HEALTH

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# HEALTH SERVICES

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# SOCIAL WORK

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**University of Washington**

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**School of Public Affairs**

**Public Affairs**

- **BA AF 505**: LAW PUBL ADMIN
- **BA AF 530**: PRMA CMM 2
- **BA AF 506**: TOPICS IN PUB HEALTH

**School of Social Work**

- **STUDENTS MUST OBTAIN PERMISSION FROM INSTRUCTOR BEFORE BEGINNING TO CARRY OUT THE OVERLAP...**
- **SOC W 582**: RESEARCH PRACTICUM
- **SOC W 583**: RESEARCH PRACTICUM
- **SOC W 584**: TEACHING PRACTICUM
- **SOC W 585**: TEACHING PRACTICUM

**Social Work**

- **SOC W 500**: INDEPENDENT STDY/Rsch
- **SOC W 501**: MASTERS THESIS

**Social Welfare**

- **SOC W 510**: NURSES A” 2 M A Vival TO IE AlIAICGED • •
- **SOC W 511**: NURSES A” 2 M A Vival TO IE AlIAICGED • •

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132
SOCIAL WORK (MSW)
SOC W 524 FOUNDATION PRAC
3476 A 4 TO BE ARRANGED • • HANZBAUM, C
CREDIT/NO CREDIT ONLY
SOC W MAJORS ONLY
REN ONLY

SOC W 525 ADVANCED-CLASSROOM
3476 A 2-10 TO BE ARRANGED • • ROBERTS, E
CREDIT/NO CREDIT ONLY
SOC W, SOC N, SOC W, SOC N MAJORS ONLY
REN ONLY

SOC W BUS READ IN SOC WORK
>1481 A VAR TO BE ARRANGED • • CREDIT/NO CREDIT ONLY INSTRUCTOR I.D. SMS 033F

SOC W 800 INDEPENDENT STUDY/REC
>1483 A VAR TO BE ARRANGED • • CREDIT/NO CREDIT ONLY INSTRUCTOR I.D. SMS 033F

SOC W 700 MASTERS THESIS
>1484 A VAR TO BE ARRANGED • • CREDIT/NO CREDIT ONLY INSTRUCTOR I.D. SMS 033F

FRIDAY HARBOR LABORATORIES
COLLEGE OF ARTS & SCIENCES

BOTANY
BOTANY 565 MARINE PHYSIOLOGY
3321 B 8 MTHSF 800-100 • • SANDERS, C
PUESELL, C

SAT. 800-1130 • •
TERM B
PENR BY INSTR; FRIDAY HARBOR LABS
6/7-7/17
MARINE ALGAE: SEAMEN'S AND PHYTOPLANKTONS

BOTANY 600 INDEPENDENT STUDY/REC
>3322 B 1-9 TO BE ARRANGED • • CREDIT/NO CREDIT ONLY
PENR BY INSTR; FRIDAY HARBOR LABS

BOTANY 700 MASTERS THESIS
>3323 B 1-9 TO BE ARRANGED • • CREDIT/NO CREDIT ONLY
PENR BY INSTR; FRIDAY HARBOR LABS

BOTANY 800 DOCTORAL DISSERTATION
>3324 B 1-9 TO BE ARRANGED • • CREDIT/NO CREDIT ONLY
PENR BY INSTR; FRIDAY HARBOR LABS

ZOOLOGY
ZOOOL 432 MARINE INVERTE ZOOL (MW)
1940 B 9 MTHSF 800-100 • • SHERI, C
PAUL, L

SAT. 800-1130 • •
TERM A
PENR BY INSTR; FRIDAY HARBOR LABS
6/15-7/16

ZOOOL 486 SPEC PROB IN ZOOL
1946 B 1-5 TO BE ARRANGED • • PENR BY INSTR; FRIDAY HARBOR LABS

ZOOOL 535 ADV INVERTE ZOOL
1947 B 9 MTHSF 800-300 • • KLEINER, T
ROESLER, BERNIE ROESLER, S

SAT. 800-1130 • •
TERM A
PENR BY INSTR; FRIDAY HARBOR LABS
6/15-7/16
MARINE CONSERVATION ECOLOGY

1948 B 9 MTHSF 800-300 • • MARTIN, A
PAUL, L

SAT. 800-1130 • •
TERM B
PENR BY INSTR; FRIDAY HARBOR LABS
7/20 - 8/22
MOLECULAR POPULATION BIOLOGY
AND ECOLOGY

COLLEGE OF OCEAN & FISHERY SCIENCES
FISHERIES
FISH 600 INDEPENDENT STUDY/REC
>2073 B VAR TO BE ARRANGED • • CREDIT/NO CREDIT ONLY
PENR BY INSTR; FRIDAY HARBOR LABS

FISH 700 MASTERS THESIS
>2078 B VAR TO BE ARRANGED • • CREDIT/NO CREDIT ONLY
PENR BY INSTR; FRIDAY HARBOR LABS

FISH 800 DOCTORAL DISSERTATION
>2085 B 1-5 TO BE ARRANGED • • CREDIT/NO CREDIT ONLY
PENR BY INSTR; FRIDAY HARBOR LABS

OCEANOGRAPHY
OCEAN 500 ADV TOPICS IN OCEAN
2093 B 9-12 MTHSF 800-300 • • PERRY, R
RICE, G

SAT. 800-1130 • •
TERM B
PENR BY INSTR; FRIDAY HARBOR LABS
7/20 - 8/22
OPTICAL OCEANOGRAPHY

OCEAN 600 INDEPENDENT STUDY/REC
>2097 B VAR TO BE ARRANGED • • CREDIT/NO CREDIT ONLY
FRIDAY HARBOR LABS; PENR BY INSTR

OCEAN 700 MASTERS THESIS
>2099 B VAR TO BE ARRANGED • • CREDIT/NO CREDIT ONLY
FRIDAY HARBOR LABS; PENR BY INSTR

OCEAN 800 DOCTORAL DISSERTATION
>5001 B VAR TO BE ARRANGED • • CREDIT/NO CREDIT ONLY
FRIDAY HARBOR LABS; PENR BY INSTR

RESERVE OFFICERS TRAINING PROGRAM
MILITARY SCIENCE
80 SCI 505 TECH MILITARY INSTR
2133 A 3 MTH 800-930 CLI 122 RINE, D
DROP CODE REQUIRED:
RINE, D
3213 B 3 MTH 1050-1150 CLI 122 RINE, D
3114 C 3 MTH 150-1150 CLI 122 RINE, D

RESERVE OFFICERS TRAINING PROGRAM
MILITARY SCIENCE
80 SCI 505 TECH MILITARY INSTR
2133 A 3 MTH 800-930 CLI 122 RINE, D
DROP CODE REQUIRED:
RINE, D
3213 B 3 MTH 1050-1150 CLI 122 RINE, D
3114 C 3 MTH 150-1150 CLI 122 RINE, D

See pages 9-99 for course descriptions, page 91 on how to read time schedule, and pages 339-139 for important dates and deadlines.

VLPA = Visual, literary and performing arts
H = Honors course
I&S = Individuals and societies
FDI = Period I (April 27-May 25)
NW = Natural world
FDI = Period II (May 26-June 21)
QSR = Quantitative, symbolic or formal reasoning
FDI = Period III (June 22-July 28)
C = English composition
Late Add Period = June 29-July 12
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**TACOMA CAMPUS**

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See pages 9-90 for course descriptions, page 91 on how to read time schedule, and pages 138-139 for important dates and deadlines.

VLPA = Visual, literary and performing arts  
H = Honors course  
H5 = Individuals and societies  
L = Limited enrollment in this section. Students must obtain entry code or faculty number.  
R = New course  
SP = Special Projects  
CAS = CAS requires  
CAS+ = CAS requires or formal reasoning  
C = English composition  
CAS = English composition  
PDI = Period I (April 27-May 25)  
PDI = Period II (May 26-June 21)  
PD2 = Period III (June 22-28)
## EVENING DEGREE

The following courses are for students admitted to the evening degree program. Evening degree students may enroll in these courses during registration periods for all students. Academic advising should be completed prior to registration (call 543-8140). During registration period III any student admitted to the evening degree program for more information about the evening degree program call 543-8140.

### ARCHITECTURE & URBAN PLANNING

**ARCH 747 DESIGN & CONSTRUCTION**

**ARCH 1017**

### CONSTRUCTION MANAGEMENT

**CM 500 DESIGN & CONSTRUCTION**

**CM 700 MASTERS THESES**

### COLLEGE OF ARTS & SCIENCES

**ANTH 455 CONTEMP ETHNOGRAPHY**

**ART 309 TOPICS IN ART HISTORY**

**ART M 403 TOPICS IN ART HISTORY**

**CMU 300 INTRO TO MASS CMU**

**ENGL 331 ROMANTIC POETRY I**

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### HISTORY, DEPARTMENT OF

**HIST 303 MOD AM CIVIL FR 1077 (IBS)**

**HIST 412 MODERN EUROPEAN HISTORY**

**HIST 442 MODERN EUROPEAN HISTORY**

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### PHILOSOPHY

**PHIL 345 MORT, MORT LIFE DEATH (IBS)**

**PHIL 545 POLITICAL SCIENCE**

**POL 531 WOMEN IN POLITICS (IBS)**

**PSYCH 522 BUDD-HUMAN PSYCH**

**PSYCH 530 DEVELOPMENTAL PSYCH**

**PSYCH 410 CHILD/ADULT BEHAV DIS**

**PSYCH 469 UNDERGRAD TEACH EXP**

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### SCHOOL OF BUSINESS ADMINISTRATION

**ACCOUNTING**

**ACCTG 510 PROBS IN FIN REPTG**

**ACCTG 520 INTL TAX**

**ACCTG 520 INTL TAX**

**ACCTG 540 EMPLOYER TAXATION**

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### BUSINESS COMMUNICATION

**B CMU 410 BUS REPORTS & CMU**

**B ECON 597 SPEC TOPICS IN ECON**

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### SOCIOLOGY

**SOC 351 POPULATION & SOCIETY (IBS)**

**SOC 401 INTL TAX**

**SOC 540 INTL TAX**

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### WOMEN STUDIES

**WOMEN 313 WOMEN IN POLITICS (IBS)**

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### UNIVERSITY OF WASHINGTON
## Summer Quarter Time Schedule

### College of Education

#### Educational Leadership & Policy Studies

<table>
<thead>
<tr>
<th>DEPT COURSE</th>
<th>TITLE</th>
<th>CRN</th>
<th>DAY</th>
<th>TIME</th>
<th>EBLG ROOM</th>
<th>INSTRUCTOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDEP 540</td>
<td>SOCIOLOGY OF EDUCATION</td>
<td>1743</td>
<td>3</td>
<td>TR</td>
<td>100-120 MHR 112</td>
<td>SAUNDER,S.B</td>
</tr>
<tr>
<td>EDEP 599</td>
<td>SPEC TOP HIGHER ED</td>
<td>1751</td>
<td>3</td>
<td>W</td>
<td>900-1000 MHR 341</td>
<td>ZUNI!TA,I</td>
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<tr>
<td>EDEP 590</td>
<td>SOCIOLOGY OF EDUCATION</td>
<td>4177</td>
<td>3</td>
<td>MT</td>
<td>900-1000 CH 115</td>
<td>VALADEZ,J</td>
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<tr>
<td>EDEP 592</td>
<td>SOCIOLOGY OF EDUCATION</td>
<td>4178</td>
<td>2</td>
<td>T</td>
<td>900-1000 CH 115</td>
<td>VALADEZ,J</td>
</tr>
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### School of Public Affairs

#### Public Affairs

<table>
<thead>
<tr>
<th>DEPT COURSE</th>
<th>TITLE</th>
<th>CRN</th>
<th>DAY</th>
<th>TIME</th>
<th>EBLG ROOM</th>
<th>INSTRUCTOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>PR AF 400</td>
<td>TIPS IN PUB POL</td>
<td>3124</td>
<td>3</td>
<td>TR</td>
<td>900-1000 PAR 114</td>
<td>TERN,B</td>
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</table>
| PR AF 514 | FOUNDATION PRACT | 3475 | 3 | TR  | 900-1000 CORS 123 | WILSON,S.
| PR AF 524 | ADVANCED PRACTICUM | 3476 | 3 | TR  | 900-1000 CORS 123 | WILSON,S.
| PR AF 530 | CHILD YTH, pubs. M ETH | 3477 | 3 | TR  | 900-1000 CORS 123 | KATZ,L |
| PR AF 540 | MULTITH-TH PRACT | 3485 | 3 | TR  | 900-1000 CORS 123 | ICARDI,L |
| PR AF 590 | READ IN SOC WORK | 3486 | 3 | TR  | 900-1000 CORS 123 | WILSON,S.

### School of Social Work

#### Social Work

<table>
<thead>
<tr>
<th>DEPT COURSE</th>
<th>TITLE</th>
<th>CRN</th>
<th>DAY</th>
<th>TIME</th>
<th>EBLG ROOM</th>
<th>INSTRUCTOR</th>
</tr>
</thead>
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| SOC W 514 | PRACTICUM SKILLS | 3674 | 3 | TR  | 900-1000 CORS 123 | WILSON,S.
| SOC W 525 | PRACTICUM ADVANCED | 3478 | 3 | TR  | 900-1000 CORS 123 | WILSON,S. |
| SOC W 530 | CHILD YTH, PUBS M ETH | 3479 | 3 | TR  | 900-1000 CORS 123 | KATZ,L |

### Library & Information Science

#### Library & Information Science

<table>
<thead>
<tr>
<th>DEPT COURSE</th>
<th>TITLE</th>
<th>CRN</th>
<th>DAY</th>
<th>TIME</th>
<th>EBLG ROOM</th>
<th>INSTRUCTOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>LIS 540</td>
<td>INFOTECH</td>
<td>2493</td>
<td>3</td>
<td>TR</td>
<td>450-570 MHR 112</td>
<td>PIERCE,S</td>
</tr>
<tr>
<td>LIS 590</td>
<td>METHODS REL LIBR</td>
<td>2503</td>
<td>3</td>
<td>TR</td>
<td>550-730 MHR 112</td>
<td>BLOOM,S.T</td>
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<tr>
<td>LIS 591</td>
<td>METHODS REL LIBR</td>
<td>2504</td>
<td>3</td>
<td>TR</td>
<td>550-730 MHR 112</td>
<td>BLOOM,S.T</td>
</tr>
</tbody>
</table>

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See pages 9-90 for course descriptions, page 91 on how to read time schedule, and pages 139-139 for important dates and deadlines.

H = Honors course
I&S = Individuals and societies
C = English composition

Late Add Period = June 29-July 12

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## Application Deadlines

<table>
<thead>
<tr>
<th>Application deadlines</th>
<th>Full term</th>
<th>a term</th>
<th>b term</th>
</tr>
</thead>
<tbody>
<tr>
<td>Application deadline for summer-only and returning students.</td>
<td>June 1</td>
<td>June 1</td>
<td>June 1</td>
</tr>
<tr>
<td>Application deadline for freshmen applying for summer/autumn</td>
<td>Feb. 1</td>
<td>Feb. 1</td>
<td>Feb. 1</td>
</tr>
<tr>
<td>Application deadline for prospective Evening Degree Program</td>
<td>May 15</td>
<td>May 15</td>
<td>May 15</td>
</tr>
<tr>
<td>Application deadline for international students applying for summer/autumn or autumn</td>
<td>Feb. 1</td>
<td>Feb. 1</td>
<td>Feb. 1</td>
</tr>
<tr>
<td>Application deadline for transfers and postbaccalaureates applying for summer/autumn</td>
<td>April 15</td>
<td>April 15</td>
<td>April 15</td>
</tr>
<tr>
<td>UW faculty/staff, Washington state employees, and members of the Washington state National Guard</td>
<td>June 1</td>
<td>June 1</td>
<td>June 1</td>
</tr>
<tr>
<td>Last day to return approved applications for credit by examination to 264 Schmitz</td>
<td>July 2</td>
<td>July 2</td>
<td>July 31</td>
</tr>
<tr>
<td>Application deadline for baccalaureates degrees and certificates for all schools and colleges to be conferred for the quarter must be submitted to Graduation and Academic Records Office, 264 Schmitz</td>
<td>July 2</td>
<td>July 2</td>
<td>July 2</td>
</tr>
<tr>
<td>Credit by examination</td>
<td>4th week</td>
<td>4th week</td>
<td>4th week</td>
</tr>
<tr>
<td>(examinations must be taken by)</td>
<td>of quarter</td>
<td>of term</td>
<td>of term</td>
</tr>
</tbody>
</table>

## Registration Deadlines

<table>
<thead>
<tr>
<th>Registration deadlines</th>
<th>Full term</th>
<th>a term</th>
<th>b term</th>
</tr>
</thead>
<tbody>
<tr>
<td>Graduate, professional, postbaccalaureate, graduating senior priority, and disabled</td>
<td>April 27-28</td>
<td>April 27-28</td>
<td>April 27-28</td>
</tr>
<tr>
<td>Registration Period I (see page 147 for details)</td>
<td>April 29-May 25</td>
<td>May 26-June 21</td>
<td>May 26-June 21</td>
</tr>
<tr>
<td>Registration Period II (see page 147 for details)</td>
<td>May 26-June 21</td>
<td>May 26-June 21</td>
<td>May 26-June 21</td>
</tr>
<tr>
<td>First mailing of registration confirmations and quarterly validation/U-PASS stickers</td>
<td>June 2</td>
<td>June 2</td>
<td>June 2</td>
</tr>
<tr>
<td>Registration confirmations mailed daily beginning this date</td>
<td>June 3</td>
<td>June 3</td>
<td>June 3</td>
</tr>
<tr>
<td>STAR closes at 6 p.m. for preparation of instructors’ class lists</td>
<td>June 18</td>
<td>June 18</td>
<td>June 18</td>
</tr>
<tr>
<td>Registration Period III</td>
<td>June 22-28</td>
<td>June 22-28</td>
<td>June 22-28</td>
</tr>
<tr>
<td>Registration for UW faculty/staff begins</td>
<td>June 24</td>
<td>June 24</td>
<td>June 24</td>
</tr>
<tr>
<td>Registration for UW ACCESS program</td>
<td>June 24-28</td>
<td>June 24-28</td>
<td>June 24-28</td>
</tr>
<tr>
<td>Registration for Washington state classified employees begins</td>
<td>June 25</td>
<td>June 25</td>
<td>June 25</td>
</tr>
<tr>
<td>Registration for members of the Washington State National Guard begins</td>
<td>June 25</td>
<td>June 25</td>
<td>June 25</td>
</tr>
<tr>
<td>STAR closes at 6 p.m. for preparation of 10th day statistics</td>
<td>July 2</td>
<td>July 2</td>
<td>July 2</td>
</tr>
<tr>
<td>Last day entry codes are valid to add a course on STAR</td>
<td>July 12</td>
<td>July 12</td>
<td>July 29</td>
</tr>
<tr>
<td>Last day to register</td>
<td>July 12</td>
<td>July 12</td>
<td>July 29</td>
</tr>
<tr>
<td>Late Add Period—entry codes required to add all courses (a $20 change of registration fee will be assessed)</td>
<td>June 29-July 12</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

## Adding/Dropping Courses or University Withdrawal

<table>
<thead>
<tr>
<th>Adding/dropping courses or University withdrawal</th>
<th>Full term</th>
<th>a term</th>
<th>b term</th>
</tr>
</thead>
<tbody>
<tr>
<td>Last day for graduate students to apply for on-leave status</td>
<td>June 26</td>
<td>June 26</td>
<td>June 26</td>
</tr>
<tr>
<td>Last day to add or process a non-STaR transaction in Registration Office without being assessed a $20 change fee and possible tuition forfeiture</td>
<td>June 26</td>
<td>June 26</td>
<td>July 29</td>
</tr>
<tr>
<td>Last day for complete withdrawal without owing tuition</td>
<td>June 26</td>
<td>June 26</td>
<td>July 29</td>
</tr>
<tr>
<td>Last day to add, drop or change a course through STaR without being assessed a $20 change fee and possible tuition forfeiture</td>
<td>June 28</td>
<td>June 28</td>
<td>(see below)</td>
</tr>
<tr>
<td>$20 change fee is assessed to add, drop or change a course. Additional tuition or tuition forfeiture may also be charged</td>
<td>June 29</td>
<td>June 29</td>
<td>July 30</td>
</tr>
<tr>
<td>Entry codes required to add courses</td>
<td>June 29-July 12</td>
<td>June 29-July 12</td>
<td>June 29-July 29</td>
</tr>
<tr>
<td>Last day to drop a course without entry on transcript</td>
<td>July 5</td>
<td>June 28</td>
<td>July 29</td>
</tr>
<tr>
<td>Last day to add a course</td>
<td>July 12</td>
<td>July 12</td>
<td>July 29</td>
</tr>
<tr>
<td>Unrestricted Drop Period (requires a $20 change of registration fee)</td>
<td>June 29-July 5</td>
<td>N/A</td>
<td>N/A</td>
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</tbody>
</table>
Last day to change to or from audit to numeric grade option
(a change of registration fee may be charged) ........................................... July 2 ........... July 2 ........... July 29
Last day to make change to or from S/NS grade option ........................................... July 2 ........... July 2 ........... July 29
Last day entry codes are valid to add a course on STAR ........................................... July 12 ........... July 12 ........... July 29
Late Drop Period—drops only on STAR ........................................... July 6-Aug. 9 ........... July 6-12 ......... July 30-Aug. 12
Last day to exercise your one annual drop option.
(See new drop policy, page 155, for details) ........................................... Aug. 9 ........... July 12 ........... Aug. 12
Last day to withdraw completely (dropping all classes) from the quarter ........................................... Aug. 14 ........... July 15 ........... Aug. 14

Tuition/fee assessment and deadlines
First day tuition balance is available on STAR ........................................... June 19 ........... June 19 ......... June 19
$25 late registration fee begins ........................................... June 22-July 5 ........... June 22-July 5 ......... July 23-29
Tuition statements mailed to all registered students ........................................... June 22 ........... June 22 ........... June 22
$20 change of registration fee to add, drop or change a course.
Additional tuition or tuition forfeiture may also be charged ........................................... June 29 ........... June 29 ......... July 30
$10 fee assessment for replacement of U-PASS begins ........................................... June 29 ........... June 29 ......... June 29
One-half tuition due if withdrawing completely from the quarter ........................................... June 29-July 12 .... June 29-July 12 .... July 30-Aug. 12
$75 late registration fee begins ........................................... July 6 ........... July 6 ........... July 30
Tuition payment deadline for all registered students ........................................... July 10 ........... July 10 ........... July 10
Last day to return U-PASS for cancellation of $28 charge ........................................... July 10 ........... July 10 ........... July 10
Student insurance payment deadline. Payments are not accepted after this date ........... July 10 ........... July 10 ........... July 10
Late tuition payment period begins (requires a late-payment fee) ........................................... July 11 ........... July 11 ........... July 11
Full tuition due if withdrawing from the quarter starting ........................................... July 15 ........... July 15 ........... Aug. 13

Grades
W grade begins for a course dropped using the one “annual” drop
(See new drop policy, page 155, for details) ........................................... July 6 ........... June 29 ........... July 30
Grades due from faculty (10 a.m.) ........................................... Aug. 24 ........... July 27 ........... Aug. 24
First day grades and GPAs available on STAR ........................................... Aug. 25 ........... Aug. 25 ........... Aug. 25

Final examinations
There is no separate final examination week during Summer Quarter. Finals are given during the last scheduled class.

Commencement information
Undergraduates who plan to graduate in August and want to participate in the June 1998 commencement must have a graduation application on file by April 13, 1998.

Special-date courses
In general, the registration, fee payment, and grading requirements of special-date courses will depend on whether the course is identified as an a-, b- or full-term course. For courses that begin or end on dates other than the standard dates of a, b or full term, observe the following:

- Late registration fees: A $25 late registration fee will be charged when registering on the first day of the course or later.
- Drop/add fee: A $20 drop/add change fee will be assessed for either dropping or adding a special-date course beginning the second day of the course.
- Tuition refunds: Full refund is possible if course is dropped no later than the first day of course instruction. One-half refund is possible if course is dropped during the first 40 percent of class. After 40 percent of class is completed, no refund is possible.
- Grading: No grade and no entry on record if course is dropped by first day. Free drops permitted with "W" grade through first 40 percent of course. No drop permitted after 40 percent of course is completed except complete withdrawal from the quarter. No drops of any kind are permitted on last day of course.
Summer Quarter Admission

Continuing UW undergraduate students

If you are enrolled as a matriculated student at the UW Spring Quarter 1998 or completed Winter Quarter 1998 and took Spring Quarter off, do not submit an application for Summer Quarter. Simply register using STAR just as you would for any other quarter.

Applying for admission

Individuals who have not been enrolled as inmatriculated, continuing students at the UW in either Spring or Winter Quarter 1998 need to apply for admission to Summer Quarter 1998. Which application you use depends on your goals and current student classification. Select the student classification that applies to you. It’s important that you read the detailed information below regarding each classification. Also see the What application form to use chart on the next page. If you have questions after reading the appropriate sections, please call UW Undergraduate Admissions, (206) 543-9686, or Summer Quarter Academic Advising, (206) 543-6160.

Student classifications

Summer Quarter students are either: new or continuing matriculated students; or new or returning nonmatriculated students attending UW classes only during Summer Quarter 1998.

Incoming freshmen

New incoming UW freshmen who want to begin their college careers during the summer may register for courses frequently taken by incoming freshmen in the arts, humanities, social sciences and sciences. Freshmen will be able to register for Summer Quarter beginning April 29. For questions about how the Freshmen Summer Start courses fit into the UW curriculum, contact Undergraduate Advising at (206) 543-2551. Freshmen Summer Start participants should not complete the application form included in this bulletin. For questions about the Freshmen Summer Start Program and how courses fit into the UW curriculum, contact Undergraduate Advising at (206) 543-2551.

A nonmatriculated student may enroll in a graduate-level course with the permission of the instructor and the departmental chair. Credits earned as a nonmatriculated student do not apply to UW graduate programs.

A nonmatriculated student may be:

- A student at another college attending the UW only during Summer Quarter;
- Anyone wishing to obtain credit who is not pursuing a degree;
- A teacher or administrator taking courses for special interest (but if you are pursuing your continuing certificate, you should contact the Teacher Education Program Office at (206) 543-1754);
- A high school student participating in the Advanced Study Program (see page 144);
- A person who has already earned a bachelor’s degree (including those who earned baccalaureate degrees at the UW) and is taking a few courses, but is not interested in formal admission to a graduate or second undergraduate program; or
- An auditor, a person who wants to attend courses but not receive a grade. Auditors pay standard tuition and fees and must be officially admitted and registered. Attendance in a course as an auditor is by consent of the instructor and is on a space-available basis. Permission to audit is ordinarily granted only for lecture classes. Auditors do not participate in class discussions or take examinations; registration may be canceled at the discretion of the instructor. No transcript record of audited courses is kept. To receive credit for an audited course, you must register for the class for credit in a subsequent quarter.

Continuing Teaching Certificate students

For information about working toward a Continuing Teaching Certificate, please contact the Teacher Education Program Office at (206) 543-1754 or your Educational Service District.

If you have previously attended the UW as a postbaccalaureate student in a teaching certificate program, you can be admitted as a returning student in this same status. To apply, use the form on the inside back cover of this bulletin, or request a returning student reenrollment application from the Registration Office, Box 355850, 225 Schmitz, University of Washington, Seattle, WA 98195-5850. Forms must be postmarked by June 1; later applications are accepted in-person only.

Graduate nonmatriculated students

Nonmatriculated and graduate nonmatriculated students are two different categories at the UW. Under certain limited conditions, departments, schools or colleges may offer graduate credit to students not presently seeking a graduate degree who have applied and have been accepted as a graduate nonmatriculated student. A graduate nonmatriculated student may take a maximum of 12 credits which may be applied to degree requirements should he or she be accepted into a graduate program. For detailed information regarding admission require-
ments, contact the graduate program coordinator in your area of interest. The deadline for the submission of all GNM application materials to the GNM office is May 15 for Summer Quarter. Acceptance as a graduate nonmatriculated student confers no priority for later admission into the Graduate School for pursuit of a degree. Graduate nonmatriculated students must register through UW Extension, except for UW staff, state employees and members of the Washington State National Guard. Call (206) 543-2310 for details. Do not use the summer-only application in this bulletin.

**Visiting graduate students**

A visiting graduate student is a person who plans to transfer graduate credit taken at the University of Washington to another institution where he or she is actively pursuing a graduate degree. Admission is on a space-available basis by recommendation of the appropriate department.

**Returning UW students**

The following information applies to those who are not currently enrolled at the UW:

- If you have previously attended the UW as a nonmatriculated student, you may apply for that status again provided you are still in good standing at the University.

- If you have completed a degree at the UW, you may take Summer Quarter courses as a nonmatriculated student. Please see the introductory information on nonmatriculated students.

- If you were pursuing an undergraduate or professional degree when you last attended the UW, and were not awarded that degree or certificate, or have not completed your degree at another school, you will be readmitted in the same status. This also applies to graduate students returning from "on leave." Graduate students who are not officially "on leave" must be accepted by the Graduate Admissions Office before they can return in that same status.

The University will accept but not process a returning student reenrollment application for any student who has either a financial or academic hold on their transcript or registration. Once the hold has been cleared, the application will be processed.

Returning students who are accepted as matriculated (into a degree or teaching certificate program) for Summer Quarter may register for Autumn Quarter without reapplying for admission, provided they attend classes in the summer.

**International students**

See International Students, page 143.

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### What application form to use

<table>
<thead>
<tr>
<th>Type of student</th>
<th>Summer-only student</th>
<th>Returning UW student</th>
<th>New undergraduate student</th>
<th>New graduate student</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Summer-only student</strong></td>
<td>- Summer-only nonmatriculated (non-degree-seeking) students wishing to attend UW</td>
<td>- Students who previously attended the UW as matriculated students may be admitted in the same status (if eligible) or as nonmatriculated students</td>
<td>- New students seeking an undergraduate degree (except international students, see page 63)</td>
<td>- Students applying for admission as graduate students, including:</td>
</tr>
<tr>
<td><strong>Visiting graduate students</strong></td>
<td>- Former UW students who have graduated</td>
<td>- Students previously enrolled as postbaccalaureate in a teaching certificate program.</td>
<td>- Former UW students who are changing to a new undergraduate status (including postbaccalaureate).</td>
<td>- Those seeking administrator's credentials.</td>
</tr>
<tr>
<td><strong>Returning UW students</strong></td>
<td>- Students formerly enrolled as postbaccalaureate in a teaching certificate program.</td>
<td>- Graduate students who have official &quot;on-leave&quot; status.</td>
<td></td>
<td>- Visiting graduate students.</td>
</tr>
<tr>
<td><strong>International students</strong></td>
<td></td>
<td></td>
<td></td>
<td>- Former graduate students who did not request &quot;on-leave&quot; status.</td>
</tr>
<tr>
<td><strong>Continuing UW students</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Continuing UW students enrolled for Spring Quarter 1998, or who completed Winter Quarter 1998 and took Spring Quarter off, do not submit applications for Summer Quarter. Incoming freshmen, see Freshmen Summer Start Program on facing page.*

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**Admission Information**

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Admission Information

Summer/Autumn Quarter Admission

If you would like to begin pursuing a UW undergraduate degree in Summer Quarter and continue in Autumn Quarter, you should apply for matriculated status as a freshman, transfer or postbaccalaureate student as described on this page. For more information, contact the Admissions Office or the unit listed. Please read What application form to use, page 141.

Students who are accepted for summer/autumn must register and enroll for Summer Quarter if they wish to enroll in Autumn Quarter. Summer/autumn students who officially withdraw from Summer Quarter classes on or after June 22 may register for Autumn Quarter without submitting a new application. Withdrawal from Summer Quarter prior to June 22, however, invalidates your status as a continuing student and you must be readmitted to the University; you must submit a new admission application for autumn by the closing dates noted in the Quick Reference Guide to Quarter Deadlines, pages 138-139.

Access the University of Washington with UW Educational Outreach

In addition to Summer Quarter, UW Educational Outreach makes the resources of the University available to nontraditional students—students with a dream to finish a degree, expand their knowledge to advance their career or study a subject that engages them—through the following three programs:

**Evening Degree and Distance Learning Program**
The Evening Degree Program provides an opportunity for persons who are unable to attend the UW during the day to complete a degree in the evening. A total of 10 undergraduate and 12 graduate programs are offered. For more information, see pages 166-167, or visit the Web site at www.evedegree.washington.edu/

**UW Distance Learning**
Many UW courses are available by distance learning. UW Distance Learning courses are included within specific subject areas of this bulletin. With UW Distance Learning, students can earn UW credits at home without coming to campus, and complete courses at their own pace. Many courses have email and voice-mail options which may be used to contact instructors and ask questions. Washington state educators can earn an unlimited number of credits towards continuing certification and endorsements through UW Distance Learning. For a list of distance learning courses and more information, see pages 168-172, or visit the Web site at: www.edoutreach.washington.edu/dl/

**UW Extension**
UW Extension offers evening credit and noncredit courses and certificate programs for individuals seeking career advancement or new knowledge in an area of personal interest. For a UW Extension catalog, call (206) 543-2520, 1-800-543-2320, (206) 543-6452 (TTY), or visit the Web site at: www.edoutreach.washington.edu/extinfo/

Freshman
This admission classification is for high school seniors (including Washington state Running Start students) intending to enroll at the UW as freshmen and other applicants who have never attended college since leaving high school (regardless of age or whether they ever graduated). The application priority date for Summer/Autumn Quarter was February 1; however, Running Start students with 40 or more college credits completed before February 1 are eligible to apply through April 15. Admission is competitive. Not all qualified applicants can be admitted.

Transfer
This admission classification is for applicants who are seeking their first bachelor's degree and have attempted college credits since leaving high school (regardless of age or whether they ever graduated). The application closing date was April 15 (Feb. 1 for international students). Admission is competitive. Not all qualified applicants can be admitted.

Postbaccalaureate
Postbaccalaureate is a matriculated, undergraduate status at the UW, reserved for students who are working toward a second bachelor's degree or preparing for entrance to graduate or professional school. A postbaccalaureate is an applicant who has completed or will complete a bachelor's degree from a regionally accredited college or university before enrolling at the UW. This status includes UW undergraduates who anticipate earning their first bachelor's degree and wish to pursue a second degree at the UW. The application closing date was April 15 (Feb. 1 for international students). If you are interested in obtaining a teaching certificate, contact the College of Education, Office of Student Services, 206 Miller, (206) 543-7833.

Graduate
This status applies to the student who is seeking a master's degree, a doctoral degree, or a school administrator's credential. Application deadlines vary by department. More information about requirements can be obtained from the appropriate academic unit or the Office of Graduate Admissions, (206) 543-5929.

Visiting graduate student
A visiting graduate student is a person who plans to transfer graduate credit taken at the University of Washington to another institution where he or she is actively pursuing a graduate degree. Admission is on a space-available basis by recommendation of the appropriate department.

Autumn Quarter Admission

Summer-only nonmatriculated students who wish to attend Autumn Quarter must apply and be accepted as matriculated (degree-seeking) students. Autumn admission is competitive because space is limited. Some admission categories close before Summer Quarter begins (for dates, see Quick Reference Guide to Quarter Deadlines, pages 138-139). Therefore, you may not be eligible to apply. For more information, contact the appropriate admission office. You'll find the addresses in the chart on page 141. If your intention is to seek a degree at the Uni-
International Students

International students are welcome to apply to the University in any admission classification with the exception of graduate nonmatriculated status. International students are those who are not U.S. citizens and are not refugees or immigrants to the United States.

Summer-only admission

An international student who is not seeking a degree from the UW and who wishes to enroll in courses only during Summer Quarter may use the application in this bulletin. He or she will be admitted as a nonmatriculated student for Summer Quarter only and may not continue in Autumn Quarter.

The University cannot provide 1-20 forms or give other assistance in obtaining F-1 (student) status for attendance in Summer Quarter only. Summer-only students must have F-1 (student) status already through enrollment at another U.S. college or university, or be able to enter the United States on a visitor's visa or other nonstudent visa. Additional information will be sent with your offer of admission to Summer Quarter only.

Summer/Autumn Quarter Admission

International students wishing to begin their studies in Summer Quarter and continue in Autumn Quarter must be matriculated. An undergraduate preliminary application form must be completed and returned by Nov. 1 before the year of admission. If the University's minimum requirements for consideration are met, an undergraduate admissions application will be sent. All applications, required documents and test scores must be filed with the Office of Admissions by Feb. 1 (includes freshmen, transfer students and postbaccalaureates). Matriculated international students must be registered full-time (i.e., 12 credits for undergraduates, 10 credits for graduates) including their first quarter at the University of Washington.

Admission is granted only for Summer/Autumn or Autumn Quarter. Information is available from the Office of Admissions, Box 355840, Seattle, WA 98195-5840. Telephone: (206) 543-9686. Email: askuwadmu.washington.edu.

International students who seek admission as graduate students must contact the Office of Graduate Admissions for application materials. For information write the UW Office of Graduate Admissions, 98 Gerberding Hall, Box 351280, Seattle, WA 98195-1280. Telephone: (206) 543-5929.

Student Insurance

Matriculated international students must subscribe to the University's medical insurance or obtain insurance waivers by presenting proof of other medical coverage to the University's International Services Office prior to the tuition due date. Questions regarding student insurance may be directed to the UW International Services Office, 459B Schmitz Hall, Box 355832, Seattle, WA 98195-5832. Telephone: (206) 543-0841.

English for International Students

Students granted Summer/Autumn Quarter admission in matriculated status may be required to take English As A Second Language (ESL) courses, and should contact the Office of Special Services, 460 Schmitz Hall, (206) 543-6122, for information about this requirement. Students admitted in nonmatriculated status for Summer Quarter only, however, have no ESL requirement; the following information applies to these nonmatriculated students only.

If your native language is not English, you may wish to seek academic counseling before you enroll. An adviser can help you determine the level of English language competence needed to successfully complete the courses you plan to take. Academic counseling is strongly recommended for international students whose scores are less than 580 on the Test of English as a Foreign Language (TOEFL) or below 90 on the Michigan Language Test.

Please note: Students not previously admitted to the University of Washington (nonmatriculated status) may enroll in English 111, 121 and 131 only if they have met the following ESL requirements: score of at least 580 on the TOEFL or one of these equivalent scores: 90 on the MTELP, 410 on the SAT-Verbal, 490 on the SAT-Verbal (recentered), or 20 on the ACT English. For more information or to obtain entry codes, please contact the English Advising Office, Padelford A2B, (206) 543-2634. Advising is available from English As A Second Language, (206) 543-6242, or from departments offering the courses you plan to take.

Students seeking to improve their English skills are encouraged to take noncredit English As A Second Language (ESL) courses offered each quarter by UW Educational Outreach. These students should not submit an application to the Office of Undergraduate Admissions or the Office of Graduate Admissions to take ESL courses, but should apply directly to the English As A Second Language Program. Information about ESL courses and ESL can be obtained by writing to the English As A Second Language Program, UW Educational Outreach, Box 354232, Seattle, WA 98195-4232; telephone: (206) 543-6242.

For students who are not native speakers of English, two programs are offered. The Academic English Program offers courses for matriculated (degree-pursuing) students. Successful completion of these courses is one way to satisfy the University's English language requirement. See departmental listing under English (ENGL) and contact the Office of Special Services, 460 Schmitz, (206) 543-6122.

Foundation for International Understanding Through Students

The Foundation for International Understanding Through Students (FIUTS), located in 302B Student Union Building (HUB), (206) 543-0735, is a nonprofit community organization. FIUTS administers an international speakers bureau, group discussions and cultural and educational activities for students.
Middle and High School Students

During the summer, the UW offers two special programs for middle and high school students interested in challenging, fast-paced courses.

For middle school students

Each summer the Halbert Robinson Center for the Study of Capable Youth offers a five-week program of high school-level courses for students who have completed the seventh, eighth, or ninth grades. In 1998, from June 29 through July 31, students will work to complete the equivalent of one semester up to a full academic year of study in one of the following courses: argument and debate, biology, chemistry, geography, literature and math. Classes are limited to 16 students each.

Besides vigorous academic challenge, the program provides students with the opportunity to complete high school requirements early or to give themselves more room in their high school programs for electives and activities.

Admission is based on the student’s performance on the Scholastic Aptitude Test (SAT) or Washington Precollege Test (WPCT). Some students have taken the SAT through the Johns Hopkins Talent Search; the WPCT can be taken at the center. The cost of Summer Stretch is $500 per student; scholarships and payment plans are available.

An additional program for fifth- and sixth-grade students, Summer Challenge, will run from June 29 through July 17. These classes are challenging, but they are not designed to take the place of regular school classes. Students become eligible based on their scores in the Johns Hopkins Talent Search for Young Students. Cost for this program is $400.

The center also offers the Transition School/Early Entrance Program for bright young people who are ready for college-level work before they enter high school. The program is for the few students, age 14 or younger, with the outstanding ability and high motivation that are best matched by a university academic setting.

The Transition School, the first phase, is an intensive, self-contained program which provides a bridge between the junior high or middle school and enrollment in the University. Limited to 18 students a year, the Transition School prepares participants for full-time university work in the second phase, the Early Entrance Program (EEP). The EEP provides a support system for young undergraduates and ensures that their personal, social, and academic needs are met appropriately.

For more information and application procedures, call the center at (206) 543-4160.

Advanced Study Program for high school students

Through the Advanced Study Program, high school students can enroll in UW courses during the summer. Students can take regular UW courses—for example, mathematics, science, architecture, or one of the UW’s popular intensive language programs.

Each student enrolling for credit establishes a UW transcript. The grades earned in the Advanced Study Program are calculated into the overall grade-point average if a student later applies for and is accepted by the UW as a matriculated student. The credits can also be transferred to other colleges and universities.

Some school districts grant students credit toward high school diplomas for the UW courses taken. For more information, a student or his or her parents should consult the student’s guidance counselor regarding the district policy.

The Advanced Study Program is designed for high-achieving students who have completed their high school freshman year by June 30. Applicants should have grade-point averages of at least 3.3 (B+).

To apply, a student should send the following materials to the UW Office of Undergraduate Admissions, Box 355840, Seattle, WA 98195-5840:

- a completed copy of the summer application on the inside back cover of this bulletin;
- a letter of recommendation from the student’s high school principal or guidance counselor;
- a copy of the student’s high school transcript; and
- the nonrefundable $35 application fee.

Students who will graduate from high school in 1998 and are not new incoming UW freshmen can use the application on the inside back cover of this catalog and do not need to send a letter of recommendation or a copy of their high school transcript.

Advanced Study Program participants pay undergraduate course fees (page 153).

Students should also review the information on pages 140-142 and 146-163. It is in each student’s interest to review course descriptions and prerequisites in this bulletin or the University of Washington General Bulletin or to contact an academic adviser in the department offering the course, the Undergraduate Advising Center, (206) 543-2551, or the Summer Quarter Academic Advising Office, (206) 543-6160, for additional information.

For more information about the Advanced Study Program, students, parents and teachers can call the Summer Quarter Academic Advising Office at (206) 543-6160.

Other programs for middle and high school students

UW Extension offers a new UW Academy for Middle School Students. Students in grades 6 through 8 can choose from computer, writing, art or math and science academies. For more information, call (206) 543-2320 and request a Summer Youth Programs Brochure.

High school students can also supplement their high school coursework and earn college-level credit by taking evening and distance learning credit courses through UW Extension. UW Distance Learning courses are listed on pages 168-172. For more information, request a UW Extension catalog by calling (206) 543-2320.

ACCESS and Faculty/Staff Programs

ACCESS program for older adults

The University of Washington waives tuition for Washington residents 60 years or older who wish to attend classes as auditing students. If you are enrolling as an ACCESS student, you may attend class with the permission of the instructor beginning the first class day if space is available. Courses marked with a greater than sign (>) require an entry code to register. Contact the department offering the course to obtain entry codes prior to coming to the Registration Office, 225 Schmitz Hall. A $5 fee will
be billed if registration in a course(s) is completed. The payment is due by July 10. Other course fees, in addition to the registration and technology fees, may be assessed by the department. ACCESS students may be eligible to obtain a refund of these fees upon request to, and at the discretion of, the department. As auditors, ACCESS students do not receive credit and are not expected to do any class work, participate in discussions or take examinations. Registration may be cancelled at the discretion of the instructor. ACCESS students may register for all courses except ENGL 101, 101, 102, MATH 101, UW Extension, UW Distance Learning, studio, laboratory and field trip courses, honors sections or any course which is not state funded. ACCESS students may register in 500-level graduate courses with the approval of the instructor by obtaining an entry code through the department. A transcript is not maintained. ACCESS students are limited to two courses per quarter. For more information, call UW Extension, (206) 543-2230, or the UW Registration Office, (206) 543-8580, between 8 a.m. and 5 p.m. weekdays.

**How to register**

To register, go to the Registration Office, 225 Schmitz Hall, June 24-26. ACCESS students do not register through STAR. If you are unable to come in-person, you may mail your registration request. Processing will not begin until June 24, and classes are not guaranteed.

**UW faculty/staff and Washington state classified employees tuition exemption programs**

**Tuition-Exemption Program**

Eligible University and State of Washington employees and members of the State National Guard may enroll for and receive a tuition-exemption for up to six credits each quarter provided they enroll on a space-available basis. Eligible students may not enroll for more than six credits or the exemption will be canceled. All students participating in the tuition-exemption program will be assessed a quarterly $30 registration fee and must pay other applicable fees. A participating student may not register for any course prior to the assigned space-available registration day or the exemption will be canceled or not accepted. Matriculated students desiring a higher registration priority to facilitate course enrollment may register early and pay regular tuition rates.

Space-availability applies to degree programs as well as courses, and fully enrolled programs may choose not to accept or enroll students using the tuition-exemption. Eligible students must be:

- University of Washington employees employed half-time or more with six months or more of continuous service prior to the first day of the quarter,
- Non-University of Washington permanent classified or contract state employees employed half-time or more,
- Permanent classified and exempt paraprofessional employees of technical colleges employed half-time or more,
- Nonacademic employees and members of the faculties and instructional staff employed half-time or more at state institutions of higher education other than the University of Washington, or
- Members of the Washington State Army or Air National Guard.

Eligible students must hold this status on the day the exemption form is approved, and must be in the status on the first day of the quarter for which the tuition-exemption is granted. The University tuition-exemption program does not cover English 101, 101, 102, Math 108, UW Extension or Distance Learning courses, graduate-level independent study courses numbered 600, 700, and 800, or any self-sustaining courses. Nonmatriculated students admitted to enroll on a space-available, tuition-exempted basis, may register for classes only when using the exemption and only after the exemption request form has been submitted. Matriculated students are permitted to register without the exemption, but full tuition and fees will be charged.

With the instructor's permission, students planning to register on a space-available basis may begin attending classes the first day of the quarter if space is available. Registration, however, will not be permitted until the assigned space-available registration day.

Students must apply for admission by the published application deadlines and be accepted to a University program. Applications may be filed with the Office of Undergraduate Admissions, 320 Schmitz Hall, or the Office of Graduate Admissions, 98 Gerberding Hall. Former UW students returning in the same classifications or as nonmatriculated students may apply at the Registration Office, 225 Schmitz Hall.

**Tuition Exemption Forms**

Employees should contact their departmental office, the Registration Office, (206) 543-8580, 225 Schmitz Hall, or UW Training and Development, (206) 543-1957, for tuition-exemption forms.

**Registration and Fees**

Students may submit their tuition-exemption forms at the Registration Office, 225 Schmitz Hall, any time after Registration Period begins for a quarter. A separate tuition-exemption form must be submitted each quarter. Course enrollment is not permitted prior to the appropriate space-availability eligibility date. For Summer Quarter 1998, a $25 late registration fee will be assessed if the student initially registers for the quarter on or after Monday, June 29. Also, a $20 fee will be charged for all registration changes made on a single day. Students will be billed these fees, and other applicable fees, plus a $30 registration fee if they have registered for a course. The registration fee is nonrefundable even if they withdraw during the first week of the quarter. Students registering before the assigned tuition-exemption registration date will not be permitted to convert to the tuition-exemption program and will be required to pay regular tuition for all registered credits.

Tuition-exemption students are not entitled to student services funded by the Services and Activities Fee, such as those available from the Hall Health Primary Care Center and the Intramural Activities Building. Additionally, they are not eligible to purchase tickets to athletic events at student rates. UW faculty/staff identification cards may be used for library services. Participating Washington State employees and members of the National Guard may obtain ID cards for library services from the Student ID Center, 229 Schmitz Hall, and a U-PASS sticker for $28 from the Registration Office, 225 Schmitz Hall. Deadlines and registration dates are listed on pages 130-131 for Summer Quarter 1998.

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**Admission Information**

**UW faculty/staff**

Monday, June 1: Tuition exemption request card due to Registration, 225 Schmitz, Box 359850.

Wednesday, June 24: Registration begins on STAR. Open from 6 a.m. until midnight.

Monday, June 29: $25 late registration fee begins, $20 change in registration fee begins.

Friday, July 10: $30 registration fee due (nongraduate).

Fee is billed if a student successfully registers.

**Washington state classified employees**

Monday, June 1: Tuition exemption request card due to Registration, 225 Schmitz, Box 359850.

Thursday, June 25: Registration begins on STAR. Open from 6 a.m. until midnight.

Monday, June 29: $25 late registration fee begins, $20 change in registration fee begins.

Friday, July 10: $30 registration fee due (nongraduate).

Fee is billed if a student successfully registers.
Registration for Summer 1998

STAR registration

Registration is easy using the University of Washington's STAR (Student Telephone Assisted Registration) touch-tone telephone registration system. You may register as soon as you receive notification of acceptance. See schedule below. Early registration is recommended. Registration for distance learning courses is not through STAR. To register for distance learning courses, call (206) 543-2320 or 1-800-543-2320.

Through STAR, students may add and drop courses. STAR lists alternative sections available if the requested sections are closed or canceled, reports the open/closed status of specified course sections, provides a spoken listing of the confirmed registration schedule, tuition balance, financial aid status, date and amount of last payment, optional charges and previous quarters' grades.

STAR is available for registration Monday through Friday, 6 a.m. to midnight, Saturday, 9 a.m. to midnight, and Sunday, 10 a.m. to midnight.

Weekend hours not specifically scheduled are not guaranteed and may be subject to equipment and software maintenance requirements. Touchtone phones are located on the UW campus in the Registration lobby, 225 Schmitz Hall, the T-Wing lobby in Health Sciences, 9 Communications, and the ground floor level of the HUB.

For instructions on how to register, please see How to Register Using STAR, pages 148-150.

Students enrolled in Spring Quarter at the Seattle, Bothell, or Tacoma campuses are eligible to enroll at any campus without applying for separate admission. This applies to Summer Quarter registration only.

Registration eligibility

All students

All students at the University who remain in good standing and in compliance with other rules and regulations, with no outstanding financial obligations, are guaranteed the opportunity to register each quarter as long as they maintain continuous enrollment (Summer Quarter excepted). Continuation must be in the same classification, e.g., undergraduate, postbaccalaureate (fifth-year), graduate, etc. Once a student earns a baccalaureate degree, he or she must apply for readmission as a postbaccalaureate (fifth-year), nonmatriculated, or graduate student. Exceptions to the guarantee are: (1) students under disciplinary action, (2) students with a registration hold, (3) students not meeting their departmental continuation policies, or (4) students not meeting the University's satisfactory progress policy (see UW General Catalog).

A student with an outstanding debt on their tuition and fee account will not be eligible to register for Summer Quarter. Students should contact the Student Account Office and pay any fees due, in order to register.

Undergraduate and professional students (Quarter-off eligibility policy)

Subject to college, school, and departmental enrollment policies, undergraduate and professional students who have completed a quarter at the University of Washington may take the following quarter off and remain eligible to register in Registration Period I for the subsequent quarter without reapplying as returning students. For example, a student completing Winter Quarter may, without registering for or completing Spring Quarter, register during Registration Period I for Autumn Quarter without reapplying. Any quarter from which a student has completely withdrawn, or from which he/she is canceled, does not constitute a completed quarter.

Summer Quarter enrollment is not required to maintain continuous registration eligibility. Returning students who do not meet the criteria described in the above paragraph must submit a Returning Student Reenrollment Application by the published deadline.

Graduate students

The quarter-off eligibility policy is not available to graduate students. Graduate students who do not maintain continuous enrollment (Summer Quarter excepted) must file a Petition for On-Leave Status with the Graduate School. Students who are registered for any portion of a quarter may not go on leave for that quarter unless they officially withdraw at the Registration Office, 225 Schmitz Hall, prior to the first day of the quarter. On-leave graduate students returning to the University on or before the termination of their authorized periods of leave must apply as returning former students (through the Registration Office by the published deadlines). Students who withdraw after the quarter begins may register for the next quarter during Registration Period I. See Grade, Withdrawal and On-leave Information, page 155, for more information.

Register early

A $25 late registration fee is charged to students who have not completed sections I and II of the STAR Work Sheet by the first day of the quarter (June 22).

Graduating senior priority

If you are a graduating senior or postbaccalaureate student with a degree application on file in the Graduation and Academic Records Office, you may register on the first day of Period I for your final two quarters. If you must postpone your graduation, you may save your priority quarters by not registering until your regular senior priority day. When you have used your Graduating Senior Priority for two quarters, you will revert to regular senior priority.

Audit courses

Courses may be changed to or from the audit grading option for full-term or a term courses through July 2. B term courses may be changed to or from the audit grading option through July 29. Changing to or from audit is only available at the Registration Office, 225 Schmitz Hall. See Auditors on page 156 for more details.
Registration Period I via STAR
April 27-May 25
April 27 and 28 are reserved for graduate, professional, postbaccalaureate and Graduating Senior Priority (GSP) registration. This period is open to continuing students currently enrolled in Spring Quarter 1998 or undergraduate or professional students who completed Winter Quarter 1998, matriculated and nonmatriculated, and to new and returning students applying early enough to be notified of registration eligibility.

Registration Period II via STAR
May 26-June 21
STAR closes at 6 p.m. on June 18 to produce class lists. This period is open to continuing students who were enrolled in Spring Quarter 1998 and to newly admitted students and returning former students who did not apply early enough to be eligible for Registration Period I, or who missed that period.

Registration Period III via STAR
June 22-28
The Registration Office, 225 Schmitz, is open for nonSTAR transactions Monday-Friday, 8 a.m.-5 p.m. This period is open to all students for late registration and for course adds and drops. A $25 late registration fee is assessed and billed to students registering for the first time for full term and a term courses, except faculty/staff tuition exempt, state or Washington National Guard exempt and ACCESS students.

This period is open to all students for late registration and for course adds and drops. A $25 late registration fee is assessed and billed to students registering for the first time for full term and a term courses, except faculty/staff tuition exempt, state or Washington National Guard exempt and ACCESS students.

Students are encouraged to register and complete changes to registration prior to the deadline for full term and a term courses. The deadline to add courses on STAR is Sunday, July 12, for full-term and a term courses. Term b courses may be added on STAR through Wednesday, July 29. A $20 change of registration fee is charged for all course changes made for full term and a term courses. Only partial tuition reductions are made for course drops below the full-time tuition level. Partial tuition reductions are made for b term courses dropped after July 29.

Late Add Period via STAR
June 29-July 12
This period is open to all students for late registration. An entry code or faculty code is required to add all courses. The deadline to add courses on STAR is Monday-Friday, 8 a.m.-5 p.m. Term b courses may be added on STAR through Wednesday, July 29. A $20 change of registration fee is charged for all course changes made for full term and a term courses. Only partial tuition reductions are made for course drops below the full-time tuition level. Partial tuition reductions are made for b term courses dropped after July 29.

Unrestricted Drop Period via STAR
June 29-July 5
This period is open to all students registered in full-term courses. Courses dropped during this period will not appear on your transcript, but are subject to a $20 change of registration fee and tuition forfeiture. This period does not apply to a or b term courses.

Late Drop Period via STAR
Students may drop one course each academic year (Autumn through Summer Quarter) after the 14th calendar day of a quarter through the 7th week. For Summer Quarter 1998, a full-term course dropped after July 5 will count as your annual drop. An a term course dropped after June 28 or a b term course dropped after July 29 will count as annual drop.

Registration Confirmations
Registration Confirmations for students who registered by May 29 will be mailed on June 2. If you register after May 29, your registration confirmation will be mailed in two working days. Call (206) 543-3868 or use STAR Online to update your address. Confirmations will not be mailed to addresses outside the United States for students who register after May 29, and will not be mailed to addresses outside the state of Washington after June 14. If you are using an out-of-state address, you may claim your confirmation at the Registration Office, 225 Schmitz Hall, within two working days. You may also confirm your registration schedule by calling STAR and using the list schedule transaction (LST). This listing includes building and class locations. Or, you may print a copy of your schedule using STAR Online once you register for Summer Quarter. Log onto the UW home page at www.washington.edu/students/crca/ Select STAR Online. You will need your student ID number and private access code (PAC).

Special-date courses
In general, the registration, fee payment, and grading requirements of special-date courses will depend on whether the course is identified as an a, b or full-quarter course.

For courses that begin on dates other than the standard dates of a term, b term, or full-quarter, observe the following:

- Late registration fees: A $25 late registration fee will be charged when registering on the first day of the course or later.
- Drop/add fee: A $20 drop/add change fee will be assessed for either dropping or adding a special-date course beginning the second day of the course.
- Tuition refunds: Full refund is possible if course is dropped no later than the first day of course instruction. One-half refund is possible if course is dropped during the first 40 percent of course. After 40 percent of the course is completed, no refund is possible.
- Grading: No grade and no entry on record if course is dropped by first day. Free drops permitted with "W" grade through first 40 percent of course. No drop permitted after 40 percent of the course is completed except complete withdrawal for the quarter. No drops of any kind are permitted on last day of course.

Late registration fees
Students whose initial registration occurs beginning June 22 (July 1 for b term courses) will be charged a $25 late registration fee. Late registration dates and fees are listed below.

<table>
<thead>
<tr>
<th>Term</th>
<th>Late Registration Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>Full-quarter</td>
<td>June 22-July 5: $25</td>
</tr>
<tr>
<td></td>
<td>July 6-12: $75</td>
</tr>
<tr>
<td>a term</td>
<td>June 22-July 5: $25</td>
</tr>
<tr>
<td></td>
<td>July 6-12: $75</td>
</tr>
<tr>
<td>b term</td>
<td>July 23-29: $25</td>
</tr>
<tr>
<td></td>
<td>July 30: $75</td>
</tr>
</tbody>
</table>
How to Register Using STAR

STAR features

Adding courses
Courses may be added during Periods I, II and III. An add code is required to add a course and a $20 change fee is charged. Beginning June 29 for full-quarter or a term course; July 30 for a term course. This is in addition to any tuition. Always check your balance after adding a course. July 2 at 6 p.m. is the last day to add a full-quarter or a term course for Summer Quarter 1998. Term b courses may be added at the Registration Office between July 6 and July 29. See Changes in registration, next page, for additional information on adding courses.

Add and drop codes
Some courses require a special five-digit code that is only available through the department offering the course. See Entry codes, next page, for more information on using these codes.

Adding and dropping courses
You have unlimited drops through July 5 for full quarter courses, June 28 for a term courses and July 29 for a term courses without entry on your transcript. Beginning June 29 for full-quarter and a term courses, and July 30 for a term courses, a $20 registration change fee is charged to drop a course. This is in addition to any tuition forfeiture. Always check your balance after dropping a course. You may drop one course each academic year (defined as September through August) through Aug. 9 (full term), July 12 (a term), Aug. 12 (b term). Term b courses can only be dropped between Aug. 10-12 in person at the Registration Office. See Changes in registration, next page, for additional information on adding and dropping courses.

Course availability
Beginning Period I, you may call STAR at any time to complete section II of the STAR Worksheet and check course availability using transaction (5 SLN #).

Alternate sections
STAR lists alternative sections if the requested sections are closed or canceled.

Confirmed registration
You may confirm your registration schedule by calling STAR and using the List Schedule Transaction (L#). This listing includes building and classroom locations.

Student account and aid status
Call STAR to list current student account balance; list a summary of disbursed financial aid and aid check availability; and list the latest recorded student account payment. Review the STAR worksheet for transaction codes.

Grades on STAR
STAR lists all officially recorded grades for the most recently completed quarter. Summer Quarter 1998 grades and GPAs become available on STAR beginning Aug. 25.

Changes your insurance plan and optional charges
If you wish to change your insurance plan or optional charges for WashPIRG and WSL after your initial selections, you may do so on STAR by the tuition due date. Please refer to the STAR worksheet in this bulletin for instructions.

Private Access Code (PAC)
When you call STAR for the first time, enter your date of birth when STAR asks you to enter a Private Access Code. STAR will prompt you to select a Private Access Code (PAC) of four to six digits that you can easily remember. STAR will not accept zero as the first number in your PAC. Enter the PAC that you selected when prompted by STAR. You will then use your PAC for all future calls to STAR. If you wish to change your PAC, you may do so at any time using transaction code 9. Please refer to the STAR Worksheet, page 143, for instructions. If you forget your PAC, you will need to contact the Registration Office, 225 Schmitz Hall, or call (206) 543-8580 to reset your PAC.

New students may call STAR anytime after they have been assigned an appointment date for advising or orientation to establish a PAC. Once you have selected your PAC on STAR, you may establish an email account at the University. In general, you may open your email account two days after selecting your PAC on STAR.

If you make a mistake
If you make a mistake before finishing an entry, press the star key and the pound sign key (#), and your entry will be discarded.

Time and call limits when calling STAR
Time limits are built into the system, so if you are holding on the STAR line for an extended period of time, you will be disconnected. Error limits are also a part of the STAR system, so if you do not enter the correct information after the second try, STAR will disconnect. If you get disconnected, you may immediately call back to STAR. You may call up to 100 times a day. No transactions will be permitted when your calls exceed 100 on that day.

Closed sections
If the section requested is closed, you will be informed by STAR of open section alternates (including new sections added after the publication of this bulletin). You may then select an alternate section to be added to your schedule. To overload a closed section, see Overload guidelines, next page.

STAR Transaction Codes

The transactions you enter on your touch-tone telephone communicates to the computer, what action to take (such as add a course, drop a course, etc.) and what data you want considered. The transaction code legend follows:

A = Add a course
B = Drop a course
L = List class schedule
S = Course status
G = List your grades
Q, T, Y = Prior quarter, term, year
9 = Change your PAC
11 = Account balance
12 = Financial aid summary
14 = Last received payment
15 = Optional charges
* = Star key, used to separate data
# = Pound sign; used to complete transactions that you enter.

Grades on STAR
STAR lists all officially recorded grades for the most recently completed quarter. Summer Quarter 1998 grades and GPAs become available on STAR beginning Aug. 25. Grades for prior quarters can also be requested on STAR by entering the quarter code and year. Review the STAR Worksheet for the specific transaction codes. Grades are also available on STAR Online.

Changing your insurance plan and optional charges
If you wish to change your insurance plan or optional charges for WashPIRG and WSL after your initial selections, you may do so on STAR by the tuition due date. Please refer to the STAR worksheet in this bulletin for instructions.

Private Access Code (PAC)
When you call STAR for the first time, enter your date of birth when STAR asks you to enter a Private Access Code. STAR will prompt you to select a Private Access Code (PAC) of four to six digits that you can easily remember. STAR will not accept zero as the first number in your PAC. Enter the PAC that you selected when prompted by STAR. You will then use your PAC for all future calls to STAR. If you wish to change your PAC, you may do so at any time using transaction code 9. Please refer to the STAR Worksheet, page 143, for instructions. If you forget your PAC, you will need to contact the Registration Office, 225 Schmitz Hall, or call (206) 543-8580 to reset your PAC.

New students may call STAR anytime after they have been assigned an appointment date for advising or orientation to establish a PAC. Once you have selected your PAC on STAR, you may establish an email account at the University. In general, you may open your email account two days after selecting your PAC on STAR.

If you make a mistake
If you make a mistake before finishing an entry, press the star key and the pound sign key (#), and your entry will be discarded.

Time and call limits when calling STAR
Time limits are built into the system, so if you are holding on the STAR line for an extended period of time, you will be disconnected. Error limits are also a part of the STAR system, so if you do not enter the correct information after the second try, STAR will disconnect. If you get disconnected, you may immediately call back to STAR. You may call up to 100 times a day. No transactions will be permitted when your calls exceed 100 on that day.

Closed sections
If the section requested is closed, you will be informed by STAR of open section alternates (including new sections added after the publication of this bulletin). You may then select an alternate section to be added to your schedule. To overload a closed section, see Overload guidelines, next page.
Additional registration information

Address change service
Students are responsible for notifying the Registration Office when their address changes. The quickest way to update your address is through the University’s online address change system. This service is available to all admitted students who have called STAR and know their Private Access Code (PAC). The Web address for this service is www.washington.edu/students/staronline/. You may also call (206) 543-3868 24 hours a day and leave a voice message to have your address information updated.

Changes in registration
A $20 change-of-registration fee is assessed for any number of add, drop or change transactions (including change of grading option) processed during a given day beginning June 29 for full-quarter and a term courses, and July 30 for b term courses. The $20 fee is a service charge and is in addition to any change in tuition or forfeiture as a result of adds, drops or changes.

There is no charge for changes made in Registration Periods I, II and III.

Fee waivers are rarely approved. If you think your change is necessitated by a University error, or is at the University’s request, you must pay the fee and submit a petition for a refund to the Registration Office, 225 Schmitz. You will be notified of the decision by the Office of the Registrar. The fee will be waived only if the change is necessitated by a University error or is at the University’s request.

Class attendance guidelines
If you do not attend regularly scheduled class meetings during the first week of the quarter, you are subject to being dropped at the discretion of the teaching department to allow enrollment space for other students. Affected courses should be identified in the Time Schedule and/or posted in departmental offices. Please do not assume that departments will automatically initiate a drop for non-class attendees. If you are not going to go to class, you should drop the course through STAR to avoid having the instructor assign a failing grade. You may attend a University course in which you have not been officially registered during the first two weeks of the quarter. An instructor may allow you to attend his or her class after July 2 only if you are registered. A faculty member may attend informally with the approval of the instructor.

Credit limitations
Undergraduates will be limited to 19 credits during Registration Periods I and II to allow all students a chance to develop a basic schedule. Additional credits may be added during Registration Period III. Thirty credits is the limit per quarter.

Entry codes
Entry codes are five-digit random numbers issued to you by academic departments as authorization to add or drop restricted course sections. Entry codes are not transferable and are course specific. All courses require add codes to add beginning June 29. Courses requiring entry codes are designated with the symbol > to the left of the schedule line number (SLN) in the Time Schedule section of this bulletin.

Please note that departments reserve the right to require entry codes whether the course is so designated in the Time Schedule or not. Usually information on where to obtain entry codes is found in the body of the Time Schedule; either as a comment before the course listing or just after the title of the course. Contact the department offering the course if an entry code is required and the location for obtaining one is not identified in the Time Schedule. Instructors may issue entry codes to students when a class is full. (See Overload Guidelines, this page, for additional information on using add codes to overload closed courses.)

Once you have used an entry code, the computer removes it from the list of viable codes and will not accept it again. If you drop a section that required an entry code to add, then you must obtain another entry code from the department if you wish to re-add the section.

Some courses require a drop code to drop. Obtain the code from the department offering the course. Perform the drop transaction on STAR and enter the drop code when prompted by STAR.

Faculty numbers
If you are enrolling in independent study courses such as 499, 600, 700 or 800, you will first need to obtain a faculty number from the instructor or department. The faculty number is used instead of the entry code to register for the courses on STAR.

Full-time student requirement
You should register for 12 or more credits to be considered full-time if you are an undergraduate or professional student. Full-time graduate students are required to register for 10 or more credits.

It is important to note that differing criteria and standards for full-time enrollment exist for eligibility in certain programs. Consult the Financial Aid Office at 105 Schmitz, or by calling (206) 543-6101, for its requirements on satisfactory student progress. The tuition schedule does not reflect full-time credit requirements for loan deferments, teaching assistantships or other programs.

Overload guidelines
For reasons of public safety and instructional quality, course enrollment in each section will be limited to the approved classroom capacity. The Office of the Registrar monitors course enrollments throughout the quarter according to the following guidelines:

■ Prior to June 29, a student may add a section unless the class is full or requires permission; then an entry code is required. Beginning June 29, add codes are required to add any course. STAR will accept course overloads only up to 115 percent of classroom capacity to compensate for expected course drops.

■ No course adds are accepted after July 2 for full-quarter and a term courses. STAR closes at 6 p.m. on that day. B term course adds are in person only July 6-29 in the Registration Office, 225 Schmitz, 8 a.m. to 5 p.m. weekdays.
Registration for
Summer 1998

Registration assistance
If you work during the day or are incapacitated and need assistance with non-STaR transactions, please call the Registration Office at (206) 543-8580 to make arrangements for assistance. If you are having problems using STaR, call the Registration Office at (206) 543-8580 and a staff member will assist you.

Registration holds
If you have a hold on your registration, you will not be permitted to register or add courses until the hold has been released by the initiating office. If you attempt to register on STaR before your hold has been released, the voice response will indicate which office has placed the hold, and where to go to get it released. However, you may make other transactions on STaR.

The University will accept but not process a Returning Student Re-enrollment Application for any student who has either a financial or academic hold on their transcript or registration. Once the hold has been cleared, the application will be processed.

Follow these steps before calling STaR

Step 1: Read Registration for Summer 1998 pages 146-147, How to Register Using STaR, and the STaR Worksheet, next page, carefully.

Step 2: Academic advising is highly recommended, and it is suggested that you make an appointment with your advisor before selecting your courses.

Step 3: Obtain entry codes or faculty numbers from departments for courses requiring entry codes. All courses require entry codes beginning June 29.

Step 4: Organize your registration materials. Use the Time Schedule listing in this bulletin, pages 91-137, to obtain the schedule line numbers (SLN) for each course section. SLNs change every quarter. Prepare an alternate course section list because some sections may be full.

Step 5: Take care of all University financial obligations before calling STaR, since STaR will not permit you to register if there is a “hold” on your registration.

Step 6: Call STaR from a touchtone telephone and begin with Section I on the STaR Worksheet. You will be asked to provide information on Section II during your first telephone call to STaR each quarter. Always exit STaR using the “T” transaction followed by the number sign key (#), so that you can find out how to obtain your registration confirmation.

Step 7: Beginning with Registration Period I, you may call STaR as often as you want to check the status of sections, have your confirmed schedule listed, add/drop courses, check your account balance, etc.

Registration in sequence courses
Departments may establish a registration priority for students enrolled in sequence courses. For example, students enrolled in a foreign language 101 course would have priority to register in the next course sequence (102) for the succeeding quarter.

Registration tampering
A student who tampers or attempts to tamper with the registration records of another student, including but not limited to dropping and adding courses, may be subject to disciplinary sanction as defined in the Student Conduct Code (WAC 478-120).

Time conflict
You may not register on STaR for two courses that meet at the same time or for courses with overlapping meeting times. If you want the second course instead of the one you are registered for, you must drop the first one before adding the second course on STaR. If you want to add a course that conflicts with another, you must add the second course, in person, at the Registration Office, 225 Schmitz. Students must obtain the approval of both instructors to add a course that conflicts one hour a week or less; instructor signatures on an Authorization for Non-STaR Transactions form are required for courses that conflict more than one hour per week. The form is available in the Registration Office lobby.

Undergraduate satisfactory progress
If you are pursuing a baccalaureate degree, you are expected to make satisfactory progress toward the attainment of that degree, and are expected to enter a major and graduate after completion of a reasonable number of credits. Refer to the UW General Catalog for additional information.

Variable credits
Some courses are offered for a variable number of credits. See the department to obtain the appropriate number of credits for a variable credit course and be prepared to enter the number of credits when requested to do so by the voice response on STaR. Changes in variable credits are made at the Registration Office, 225 Schmitz. A $20 registration change fee will be assessed beginning June 29.
## Summer Quarter 1998 STAR Work Sheet

### I. Always access STAR with these four steps:

1. Call STAR **648-STAR** (if calling long distance, precede STAR number with 1-206)
2. Enter Quarter Code **3** (1 = winter, 2 = spring, 3 = summer, 4 = autumn)
3. Enter your Student ID number: **Student ID**
4. Enter your four to six digit Private Access Code, followed by **7** For security of your record, do not write your Private Access Code on this work sheet.

### II. You will only be asked to provide this information during your first call each quarter. Make your entry after the STAR voice asks for each selection.

1. **Student Health Insurance**
   - INSURANCE OPTIONS For descriptions, refer to Student Insurance section of the Time Schedule.
   - Press zero for no Insurance
   - 0 = No Insurance
   - 1 = Student Quarter Insurance
   - 2 = Student and Spouse Quarterly Insurance
   - 3 = Student, Spouse and Children Quarterly Insurance
   - 4 = Student and Children Annual Insurance
   - 5 = Student Annual Insurance
   - 6 = Student and Spouse Annual Insurance
   - 7 = Student, Spouse and Children Annual Insurance
   - 8 = Student and Children Annual Insurance
   - 9 = Student and Children Annual Insurance
2. **ASUW membership**
   - Y = Yes
   - N = No
3. **Contribute to Washington Student Lobby**
   - Y = Yes, add $2 for WSL to my bill
   - N = No
4. **Contribute to WashPIRG**
   - Y = Yes, add $3 for WashPIRG to my bill
   - N = No
5. **Registration Confirmation**
   - L = Local Address
   - P = Permanent Address
6. **Statement of Account**
   - (Tuition and Fee Bill)
   - L = Local Address
   - P = Permanent Address

Be sure your current address is on file with the Office of the Registrar. Use STAR Online or call 543-3888, 24 hours a day, seven days a week to update your address.

You may call STAR anytime prior to your registration eligibility day to complete sections I. A $25 late registration fee will be charged beginning June 22, if you have not completed sections I and II.

### III. To add courses NOT requiring Entry Codes:

| Schedule Line Number | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z |
| You will be prompted to enter credits if course has variable credits. |

### IV. To drop courses:

| Schedule Line Number | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z |
| You will be prompted to enter an Entry Code, if required to drop. |

### V. To list your schedule:

| Schedule Line Number | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z |
| Includes meeting days and times, building and room. |

### VI. To check course status (Open/Closed):

| Schedule Line Number | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z |
| Includes available alternate sections, if requested section is closed. |

### VII. To list your grades:

| Schedule Line Number | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z |
| Includes officially recorded grades for the most recently completed quarter. |
| To request grades for a prior quarter. Example G291# (Grades for spring 1991). |

### VIII. Student Account and Loan Status Inquiries:

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>11</td>
<td>To list current student account balance.</td>
</tr>
<tr>
<td>12</td>
<td>To list summary of disbursed financial aid and aid check availability.</td>
</tr>
<tr>
<td>14</td>
<td>To list the latest recorded student account payment.</td>
</tr>
<tr>
<td>16</td>
<td>To list this quarter's selected optional charges (WashPIRG, WSL, insurance)</td>
</tr>
</tbody>
</table>

### IX. To change optional charges for this quarter:

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>C</td>
<td>Student Health Insurance - see Insurance Options in Section II (above).</td>
</tr>
<tr>
<td>L</td>
<td>Washington Student Lobby. Y = Yes, add $2 for WSL to my bill. N = No, drop WSL charge from my bill.</td>
</tr>
<tr>
<td>P</td>
<td>WashPIRG Y = Yes, add $3 for WashPIRG to my bill. N = No, drop WashPIRG charge from my bill.</td>
</tr>
</tbody>
</table>

### X. To change your Private Access Code:

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>S</td>
<td>Enter your new four to six digit Private Access Code. For Security of your record, do not write your PAC on this work sheet.</td>
</tr>
</tbody>
</table>

### XI. To discard any partial entry and repeat previous message:

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

### XII. To exit STAR (terminate call) and receive information on Registration Confirmation:

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>7</td>
<td></td>
</tr>
</tbody>
</table>
Tuition, Fees, Billing and Student Insurance

Tuition forfeitures or refunds

Students will be billed for the number of credits, including audit hours, on their course schedule at the beginning of the quarter. Only partial tuition reductions will result for courses dropped after June 28 for full and a term, and July 29 for b term courses. Students are expected to pay one-half of the tuition associated with courses dropped during the half-payment period shown below:

<table>
<thead>
<tr>
<th>Type of course</th>
<th>Half-payment period</th>
</tr>
</thead>
<tbody>
<tr>
<td>Full-term</td>
<td>June 29-July 12</td>
</tr>
<tr>
<td>a term</td>
<td>June 29-July 12</td>
</tr>
<tr>
<td>b term</td>
<td>July 30-Aug. 12</td>
</tr>
</tbody>
</table>

Courses dropped after these half-payment period dates receive no refund.

The University's forfeiture schedule is as follows:

(For policies regarding special-date course that begin or end on dates other than the standard dates of a, b or full term, see page 139.)

- Students withdrawing by June 28 for full and a term, or July 29 for b term, do not pay tuition. Students withdrawing before the seventh calendar day of the quarter without returning their U-PASS sticker owe $75 for the U-PASS. No replacements are allowed for students who pay the $75 fee and then lose their U-PASS sticker.

- Students withdrawing between June 29 and July 12 for full and a term, or between July 30 and Aug. 12 for b term, continue to owe one-half of their tuition. Students withdrawing after June 28 for full a term, or July 29 for b term, will be charged the applicable forfeiture and may retain their U-PASS by paying the quarterly fee or return it no later than the tuition due date to have the fee waived. There will be no U-PASS refunds after the tuition payment deadline.

- Students withdrawing after July 12 for full and a term, or Aug. 12 for b term, continue to owe full tuition.

- Students whose registrations are canceled for nonpayment of fees will continue to owe the University one-half their tuition and fees.

- International students who are registered for an English As A Second Language course must make a separate request for a refund for that course by contacting the ESL Office, 4909 25th Ave. NE, on the second floor of the King Building, at the same time they withdraw from the University.

- Students who drop classes between June 29 and July 12 for full and a term, or between July 30 and Aug. 12 for b term that result in lower tuition, will owe one-half of the tuition associated with the reduced credit hours.

- If you are a Title IV financial aid recipient attending your first quarter at the University and withdraw after June 28 for full and a term, or July 29 for b term, you must pay a prorated portion of the University charges. Charges are prorated based on the portion of the quarter for which you are enrolled. If you withdraw on or after July 13 for full or a term, or Aug. 13 for b term, you must pay full tuition. The pro rata refund provision applies to tuition, fees, room and board and other charges which would otherwise be assessed by the University.

Course drops become effective the date received and processed on STAR, in the Registration Office, 225 Schmitz, or through the departmental registration screen used in academic departments.

Students may petition forfeitures for extenuating circumstances (death, disability, etc.) through the Student Accounts office.

Also see Withdrawals, page 155.

Tuition/fee assessments and deadlines

It is the student's responsibility to see that tuition is paid in full by the tuition due date (July 10). Bills are sent at the beginning of each quarter to facilitate payment. However, failure to receive a tuition bill does not nullify the student's responsibility for payment by the due date. Account balances are available through STAR (transaction 114), or STAR online.

Students must select their permanent or local address on STAR for fee statement mailing, or call (206) 543-3868 if they need to make a change of address. Students who have not received a fee statement by July 2 should contact the Student Accounts and Cashiers Office, or call STAR for the amount of tuition due.

Students may pay fees in person in the Student Accounts Office or mail them to UW Student Accounts Office, 129 Schmitz, Box 355870, Seattle, WA 98195-5870, before July 10. Checks and money orders must be in U.S. dollars and drawn on a U.S. or Canadian bank. Payments postmarked on or before July 10 are accepted without a late fee. Mail postmarked after July 10 is subject to the penalties described below.

Students who fail to pay by the deadline will be charged a late fee. For past due balances over $250, the late fee is $30; for balances between $30 and $250, the fee is $10; there is no late fee for balances less than $30.

If payment has not been received in the Student Accounts Office by Aug. 12, students' registration for the current quarter will be canceled. Reregistration after cancellation for nonpayment requires a $75 fee, in addition to tuition. Tuition and fees incurred after the tuition due date (July 10) must be paid within three business days to avoid registration cancellation. Exception: As of the last week of instruction, charges must be paid by the next business day. Always check your account status and balance on STAR when completing a registration transaction.

If reregistering, all classes on a student's schedule at the time of registration cancellation must be re-added. Fees will include appropriate charges for classes dropped during the forfeiture period.) Please note: Even if registration is canceled, students will continue to owe one-half of their tuition.

Credit cards are not accepted.

Tuition and fees not paid by the end of the academic quarter (Aug. 21) must be subject to an interest charge of one percent per month, or fraction of a month (12 percent A.P.R.), beginning with the month following the end of the
quarter. Delinquent unpaid accounts may be referred to a collection agency and reported to a credit bureau. The controller is authorized to place holds on the record of any student who fails to pay amounts due the University. Until the hold is cleared, the University: (1) does not release the students records; (2) does not release transcripts or certified records; (3) denies registration or reapplication.

**Application of payments to a student's account**

As a rule, payments received for a student's account are applied to charges in order of their due dates. For charges with the same due date, payments are applied first to tuition and related University fees and then to other charges on the account. A payment may be applied to a specific charge by paying in-person at the Student Accounts Office at 129 Schmitz Hall. Financial aid from Federal Title IV programs is applied only to required tuition and fees and to loan and aid repayment obligations. The University may not apply such aid to pay insurance and some other optional charges.

**Student insurance**

The University offers a voluntary accident and sickness insurance plan to supplement the services available at the Hall Health Primary Care Center. Seattle campus UW students who remain registered through June 28 are eligible to enroll in the plan. Not eligible are UW Seattle campus nonmatriculated students and those enrolled in programs administered by UW Extension and UW faculty/staff or Washington state classified employees or Washington National Guard members attending classes under the tuition exemption programs.

Students may sign up for the plan when they register for classes. The insurance premium will be included on the quarterly tuition statement and must be paid by the quarterly tuition due date (July 10). In most cases, financial aid will not pay insurance directly so students must make sure the premium is paid on time. There is no late payment period for the insurance premium.

Students may add, cancel, or change their insurance selection on STAR, and remit the correct balance by the tuition due date (July 10). Or, students may make changes when paying tuition in person at the Student Accounts and Cashiers Office, by the tuition due date.

International students must subscribe to the student insurance plan unless they are covered by another plan. Students admitted for Summer/Autumn, excluding summer-only nonmatriculated students, must submit proof of coverage to the International Services Office by the tuition due date (July 10). Waivers for continuing students who have already presented proof of coverage for the current academic year (Autumn 1997 through Spring 1998) are valid through Summer Quarter. Students holding insurance policies that expire during the academic year are responsible for obtaining new waivers, as necessary.

For those graduate students who are eligible for Graduate Appointee Insurance, please choose the option, "no insurance" when entering on STAR. If you have questions regarding your eligibility for this plan, please contact your department.

International graduate appointees, however, must still choose the quarterly student insurance option when registering. If you are an international RA/TA/SA, the system will automatically make adjustments so that you will not have double coverage. If you are an international fellow or trainee, please contact your department for further instructions.

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**Summer tuition schedule**

**(1997 tuition)**

Tuition for 1997 has not been determined at present and is expected to increase. The fees shown are subject to change.

<table>
<thead>
<tr>
<th>Undergraduate*</th>
<th>Resident</th>
<th>Nonresident</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 credits (minimum)</td>
<td>$209</td>
<td>$313</td>
</tr>
<tr>
<td>3 credits</td>
<td>317</td>
<td>417</td>
</tr>
<tr>
<td>4 credits</td>
<td>521</td>
<td>625</td>
</tr>
<tr>
<td>5 credits</td>
<td>625</td>
<td>729</td>
</tr>
<tr>
<td>6 credits</td>
<td>729</td>
<td>832</td>
</tr>
<tr>
<td>7 credits</td>
<td>832</td>
<td>935</td>
</tr>
<tr>
<td>8 credits</td>
<td>935</td>
<td>1,038</td>
</tr>
<tr>
<td>9 credits</td>
<td>1,038</td>
<td>1,141</td>
</tr>
<tr>
<td>10 credits</td>
<td>1,141</td>
<td>1,244</td>
</tr>
<tr>
<td>11 credits</td>
<td>1,244</td>
<td>1,347</td>
</tr>
<tr>
<td>12 credits</td>
<td>1,347</td>
<td>1,450</td>
</tr>
<tr>
<td>13 credits</td>
<td>1,450</td>
<td>1,553</td>
</tr>
<tr>
<td>14 credits</td>
<td>1,553</td>
<td>1,656</td>
</tr>
<tr>
<td>15 credits</td>
<td>1,656</td>
<td>1,759</td>
</tr>
<tr>
<td>16 credits</td>
<td>1,759</td>
<td>1,862</td>
</tr>
<tr>
<td>17 credits</td>
<td>1,862</td>
<td>1,965</td>
</tr>
<tr>
<td>18 credits</td>
<td>1,965</td>
<td>2,068</td>
</tr>
<tr>
<td>19 credits</td>
<td>2,068</td>
<td>2,171</td>
</tr>
<tr>
<td>20 credits</td>
<td>2,171</td>
<td>2,274</td>
</tr>
</tbody>
</table>

* Includes nonmatriculated and fifth-year.

The additional fee per credit hour for more than 18 credits does not apply to Summer Quarter. For details about full-time student requirements, see page 149.

Tuition charges are based on your student classification, e.g. undergraduate, graduate or professional, and not on course level.

This tuition schedule does not reflect full-time load requirements for loan deferrals, teaching assistantships or other programs.

**Special course and laboratory fees**

The amounts charged for tuition and fees normally cover University charges for course registration. Some courses, however, have extraordinary expenses associated with them, and in such cases the University may charge additional fees in amounts approximating the added instructional or laboratory costs.
Brochures describing the plan in more detail are available at the Hall Health Primary Care Center, the HUB, and at the Registration Office, 225 Schnitz Hall. Plan benefits may change each academic year, so students are encouraged to review the brochure carefully.

**Insurance effective dates and rates**
The voluntary accident and sickness insurance plan, if purchased for Summer Quarter, will be effective June 22-Sept. 20, 1996. Rates are as follows for summer: student only, $133.70; student and spouse, $326.70; student, spouse and children, $493.10; student and children, $300.10. A student must be registered during Summer Quarter to qualify for coverage. To be covered during a quarter you will not be registered, you must sign up and pay for the annual option during Autumn, Winter or Spring Quarter. See insurance plan coverage brochure for details.

**Special fees**
**Services and activities fees**
As part of tuition, students pay the Services and Activities Fee which funds a variety of student services, including: ASUW and GPSS, The Daily, Hall Health Primary Care Center, Recreational Sports (MA), Student Legal Services, Childcare Assistance Program, and Ethnic Cultural Center/Theater.

**UW Husky Card**
The UW Husky Card™ is a permanent, laminated card, and once obtained should not be discarded. New students are eligible for this student ID card once they have been admitted. If an enrollment confirmation deposit is required, it must be paid before a Husky Card can be issued. Students must bring a piece of official photo identification (mandatory) to the Student ID Card Center at 225 Schnitz Hall between 8 a.m. and 5 p.m., Monday through Friday.

The standard UW Husky Card is a non-photo card; however, students living in the dormitories (except for Stevens Court residents) will be issued a photo Husky Card, since it serves also as their meal card.

A quarterly validation sticker is mailed to students with their registration confirmation. The sticker should be affixed to the front of the ID card in the location provided; without this sticker, the card is usually not honored on campus.

Students should carry their Husky Card whenever they come to campus. Many administrative transactions and campus services and facilities are not available without it. In some situations, students may also be asked to provide an additional piece of photo identification.

Students may not let anyone else use their Husky Card. Misuse will subject the student to disciplinary action as described in the Student Conduct Code.

Students who lose their UW Husky Card should immediately make two phone calls, one to the ID Card Center at (206) 685-4121 to report it as lost, and also to the UW library system at (206) 543-2553. To replace the card, students should go to the Student ID Card Center with photo identification; a nonrefundable $5 fee is charged for replacement of non-photo cards, $10 for photo cards.

**U-PASS**
Daytime parking for commuting students is very limited. The UW U-PASS offers a convenient and economical alternative. The U-PASS provides students with free trips on all Metro and Community Transit routes, free carpool parking on campus, subsidized vanpool fare and discounts at local merchants, all for a quarterly fee of $28.

The U-PASS validation sticker is mailed with students’ registration confirmation each quarter, and the $28 fee is included on the tuition bill. Students who do not wish to participate in the U-PASS program that quarter must return the validation sticker to the University by the tuition due date. The sticker can be returned by mail in the return envelope provided, in person at the Student Accounts office, or mailed with the tuition payment.

Students who withdraw through June 28 without returning the U-PASS sticker will owe $75 for the U-PASS. Students who withdraw after June 28 will be charged the applicable tuition and may retain the pass for $28 or return it no later than the tuition due date (July 10) to have the $28 fee waived. There will be no U-PASS refunds after the tuition payment deadline, even for b term students, and no replacement of a lost U-PASS sticker for students who have withdrawn.

Students who did not receive their U-PASS in the mail will be asked to sign a certifying statement and will be issued a replacement sticker at no charge through June 26. Replacement stickers issued for any reason after June 26 will cost $10. Lost ID cards bearing a U-PASS sticker will be replaced for a $15 fee ($20 fee for photo ID), which includes a new U-PASS sticker. Replacement fees are nonrefundable. Students issued replacement stickers will not be permitted to cancel the $28 U-PASS fee by returning a sticker.

Eligible students who have not already purchased a U-PASS sticker may do so at the Registration Office, 225 Schnitz, any time during the quarter. The fee will remain $28 throughout the quarter.

The U-PASS is the property of the University of Washington and is not transferable. The U-PASS program, replacement policies and quarterly fee are subject to change without notice.

**Washington Student Lobby (WSL)**
The Washington Student Lobby (WSL) is a voluntary, independent organization of university students whose purpose is to influence the Washington State Legislature and other decision makers on higher education matters of special interest to students. Students may choose to support the WSL by contributing $2 each quarter. Support for the WSL may be indicated during registration, and the voluntary contribution will be included on the tuition billing statement for payment with tuition.

**Washington Public Interest Research Group (WashPIRG)**
The Washington Public Interest Research Group (WashPIRG) is a student-directed, non-profit and non-partisan organization which works on issues affecting the quality of life in Washington state. Students participate in WashPIRG as decision makers, volunteers and credit interns, producing research reports, lobbying the legislature, and organizing students and citizens around consumer, environmental, and governmental issues. Students may choose to support WashPIRG by contributing $3 each quarter. Support for WashPIRG may be indicated during registration, and the voluntary contribution will be included on the tuition billing statement for payment with tuition.
Grade, Withdrawal and On-leave Information

Withdrawal

Drop Policy

You may drop courses on STAR without restriction through July 5 (full term), June 28 (a term), July 29 (b term). No record of the dropped course(s) will be recorded on your transcript. A $20 change fee and tuition forfeiture will be charged after June 29 (a and full term), July 30 (b term). You may drop one course each academic year (defined as September through August) through Aug. 9 (full term), July 12 (a term), Aug. 12 (b term). The course will be recorded on your transcript followed by a W and the week designator. You may also petition for a hardship withdrawal if appropriate.

Quarter Off Eligibility Policy

Undergraduate and professional students (dentistry, law or medical) who have completed the preceding quarter at the UW may take a quarter off under the Quarter Off Eligibility Policy. Review the Registration eligibility, page 146, section for complete details.

Withdrawal for the quarter (dropping all courses)

It is the student's responsibility to withdraw completely if unable to attend for the quarter. Students who drop their last course on STAR and do not add a course will be considered withdrawn for the quarter. Students who drop their last course on STAR will be charged the $20 change fee beginning June 29 for a and full term, July 30 for b term.

Students may write to or withdraw in person at the Registration Office, 225 Schmitz Hall, 355850, University of Washington, Seattle, WA 98195-5850. Withdrawals by mail are effective on the date of the postmark. No withdrawals are accepted after July 15 for a term courses, or Aug. 14 for full and b term courses.

Tuition owed will be based upon the date the complete withdrawal is recorded at the Registration Office, the date that the last class is dropped on STAR, or the postmark date for withdrawals received by mail. Students who withdraw prior to June 29 for full and a term courses and July 30 for b term courses will owe a $75 U-PASS fee unless it is returned to the Student Accounts and Cashiers Office by the tuition due date. Students who pay the $75 fee and then lose their U-PASS are not eligible to purchase a replacement U-PASS sticker.

Students withdrawing before the first day of the quarter should review the Registration eligibility section, page 128. New students must reapply through the Admissions Office.

Courses dropped as part of a complete withdrawal from the University during the first two weeks of a quarter through June 28 for a term, July 5 for full term and July 29 for b term, are not recorded on your UW transcript; however, the date of the complete withdrawal is recorded.

Students who withdraw during the first two weeks of consecutive quarters (Summer Quarter excepted) will not be eligible to register as a continuing student for the third quarter. Such students must reapply as a former student returning to the University, and will be required to pay the $35 application fee and $100 enrollment deposit. For example, a student who withdraws during the first week of Winter Quarter and Spring Quarter must reapply as a returning former student for Autumn Quarter.

Hardship withdrawal

You may petition the Office of the Registrar for a hardship withdrawal if the deadline to drop a course has passed and the conditions listed below apply: A $20 change of registration fee will be charged. (1) You are unable to complete the course in question because of a severe mental or physical disability; and (2) there are unusual or extenuating circumstances beyond your control which prevented you from dropping the course by the drop deadline. A hardship withdrawal will not be granted for coursework in which you have earned a degree. Petitions must be submitted promptly after the event that caused the need for withdrawal.

Withdrawal for military service

Students conscripted into the Armed Forces or called to active military duty may withdraw through the end of the seventh week of instruction and receive a full refund but no academic credit. Students withdrawing after that date receive either a full refund or credit and no refund. Please consult with the Office of the Registrar for complete details.

Graduate students on leave

To go on leave, have your department graduate program coordinator sign a petition for an on-leave status card. Take it to the Registration Office through June 26. The Registration Office staff will issue you an on-leave graduate student card upon payment of a $35 nonrefundable fee. This card will give you access to the libraries. If you have preregistered for Summer Quarter, you must officially withdraw prior to June 22 before the on-leave status will be granted.

Grade Reports

Final course grades are available on STAR (the University's touchtone registration system). See page 140 for details. To request grades for the just completed quarter, enter G#. To request grades for any past quarter, enter G then the code for the quarter and the last two digits of the year. For example, G 3 93 # is the request for grades for Summer Quarter 1993. The quarter codes are the same as those used for registration: 1, winter; 2, spring; 3, summer; 4, autumn.

You may also view your grades on a secure Web site and print a copy if you need a paper record. You may print a copy of your Summer Quarter grades using STAR Online beginning Aug. 25. Log onto the UW's home page at http://www.washington.edu, click on the Student Guide, and then on STAR Online. You will need your student ID number and private access code (PAC).

STAR will refer you to the Web site or the Transcript Office if you need an unofficial transcript or a confirmation of your enrollment status for financial aid, loan deferment or insurance. If you need a copy of your grades mailed, STAR will give you a selection menu for ordering. Copies requested through STAR will be printed and mailed Wednesday of the third week following the close of the quarter. The mailing of these grade requests is done at the completion of the grade recording process in order to have as many grades as possible on your record.
### Grade, Withdrawal and On-leave Information

#### Transcripts
An official UW transcript is established when the first credit course is taken, and all future credit course activity is recorded on this permanent record of academic work at the UW. For a copy of your transcript, write the Transcript Office, 260 Schmitz Hall, Box 355850, Seattle, WA 98195-5850. Include $4 per transcript copy, and note your student identification number or Social Security number, the most recent quarter in attendance and all former names. Transcripts for current quarters courses will be available approximately three weeks after the end of the quarter.

#### Grading

**Numeric**
The University of Washington uses a numerical grading system. Instructors may report grades from 4.0-0.7 in 0.1 increments and the grade 0.0. Grades reported in the range of 0.6-0.0 will be converted to 0.0. A grade of at least 2.7 is required for courses used to meet Graduate School requirements.

Numerical grades may be considered equivalent to letter grades as follows:

- **A** 4.0-3.9
- **B** 3.8-2.5
- **C** 2.4-2.2
- **D** 1.1-0.9
- **F** 0.0

*Lowest passing grade for undergraduates

**Grade appeals**
See the UW General Catalog for appeal procedure.

**Incomplete grades**
Incomplete grades may only be awarded if the student is doing satisfactory work up until the last two weeks of the quarter. Undergraduate students must not reregister for courses in which they have received an Incomplete, since a grade earned in a repeat course will not be recorded as an incomplete conversion grade. To obtain credit for the course, an undergraduate student must convert an Incomplete into a passing grade no later than the last day of the next quarter. An Incomplete not made up by the end of the next quarter (summer excluded) will be converted to the grade of 0.0 by the Registrar unless the instructor has indicated, when assigning the incomplete grade, that a grade other than 0.0 should be recorded if the incomplete work is not completed. The original Incomplete grade is not removed from the transcript.

**Satisfactory/not satisfactory**
Students may elect to take certain courses on a satisfactory/not satisfactory (S/NS) basis. Advisers should be consulted, and in no case are undergraduate students allowed to register for more than six credits (or for one course, if that course is offered for more than six credits) on a satisfactory/not satisfactory basis in a given quarter.

Students must register for the course on STAR, and then go in person to the Registration Office, 225 Schmitz Hall, to elect the S/NS grade option. The S/NS grade option cannot be selected on STAR.

The S/NS grade option can be elected only through July 2 (July 29 for b term). A $20 fee is charged beginning June 29 (July 30 for b term).

For undergraduates, a course in which an “S” is earned may not be used to satisfy any department, college, or University requirement, except that the credits may be applied to the minimum of 180 credits required for graduation. Each instructor will report conventional grades to the Registrar, who will convert satisfactory grades (2.0 or greater) to “S,” and unsatisfactory grades (less than 2.0) to “NS” for the student’s transcript. No more than 25 S/NS credits will apply to an undergraduate degree.

Graduate students earning grades of 2.7 or above receive a grade of S (satisfactory), while 2.6 or below is recorded as NS (not satisfactory). With the approval of his or her graduate program adviser or supervisory committee chairperson, a graduate student may elect to take any course for which he or she is eligible outside of his or her major academic unit on an S/NS basis.

In cases of withdrawal, a "W" is recorded. Neither S nor NS is included in the grade-point average.

**“W” grades**
If you are an undergraduate student and drop a full-term course during the first two weeks of the quarter, there is no entry on your permanent academic transcript. If all courses are dropped, a complete withdrawal date is recorded on the transcript. Courses dropped July 6-Aug. 9 (full term), June 29-July 12 (a term), and July 30-Aug. 12 (b term) will be recorded on your transcript followed by a W.

#### Credit/no credit
Some courses are offered on a credit/no credit (CR/NC) basis. It is not possible to register S/NS to take these courses. Neither CR nor NC is included in the grade-point average. In cases of withdrawal, a "W" is recorded.
Student Services and General Information

Campus Resources and Facilities

Burke Resources and Facilities

Burke Museum of Natural History and Culture
See what Washington was like before Microsoft, lattes and the Kingdome. Visit the Burke Museum, the only major natural history museum in the Northwestern United States, for a 545-million-year journey through time. From an extensive collection of more than three million artifacts and specimens, the Burke has gleaned the very best for two new permanent exhibitions, Life and Times of Washington State and Pacific Voices. Explore a world of anthropology, mammalogy, geology and zoology in nationally ranked collections. See Washington's only real dinosaur skeleton, the world's oldest baleen whale, and the only climb-in cave in the world made from a 15-million-year-old rhino fossilized in lava. Travel the Pacific Rim to the heart of 18 different cultures that comprise the Pacific Northwest. Learn about the revival of a dying language, hear the teachings of tribal elders and learn about ceremonies vital to cultural identity.

The Burke Museum, at the intersection of NE 45th St. and 17th Ave. NE, is open daily, 10 a.m. to 5 p.m., and until 8 p.m. on Thursdays. Admission is free for UW faculty, staff and students. General admission is $5.50 for adults, $4 for seniors, and $2.50 for students. Children 5 and under are admitted free. The Burke Cafe features espresso, gourmet pastries and light lunch plates in an elegant setting.

Computing and networking services
As a UW student, you can use a UW computing account to access tools for teaching, learning and research. An easy way to create your account is to visit a general access computing lab. Staff will help you create an account on Dante, the student-only computer. You just need to know your Student ID Number and STAR Private Access Code. If you already have Web access, see information about creating a computing account at www.washington.edu/tech_home/html/accounts.html

With your computing account, you can use Internet resources and the World Wide Web, including a Web server where you can create your own Web pages. You can browse the UW course catalog and time schedule; use electronic mail to communicate with classmates and colleagues; and use software for statistics, graphics, programming and text formatting. In addition, UW Internet Connectivity Kit software enables you to connect your own computer to the Internet, either from home (via modem and a phone line) or from a residence (usually via Ethernet).

Campus computing needs are served by various schools, colleges and departments, as well as by Computing & Communications (C&C), the central UW organization for computing and networking. General access drop-in computer labs are ideal places to explore computer resources. Lab staff can answer your questions, and you can find documents such as the Student Introduction to Campus Computing that are designed to help you get started. Two drop-in labs, located in Odegaard Library and Suzzallo Library, offer PC and Macintosh computers and X terminals (terminals using a graphical windowing system) connected to the campus network.

For details about the computing resources available on campus through C&C (including how to get started and find free or low-cost training), see the Computing and Networking Web page at www.washington.edu/tech_home/ or look in UWIN (the UW Information Navigator) under Computing and Networking. Other questions can be answered by visiting a lab, sending email to help@cac.washington.edu or by calling C&C Information at (206) 543-5970.

Friday Harbor Laboratories
Friday Harbor Laboratories in the San Juan Islands provide year-round facilities for research in various areas of marine science.

The schedule for Summer Quarter extends over a 10-week period, June 15-Aug. 22, and is divided into two terms of five weeks each. Each five-week course consists of laboratory studies and field work and is an intense full-time endeavor running five days a week and half-days on Saturday. Courses may be taken sequentially, but not concurrently. Although courses are structured with the graduate student in mind, a few very qualified undergraduates may be admitted to a course with the consent of the director and the instructors.

The schedule for this summer includes coursework in marine botany, marine invertebrate zoology, optical oceanography, marine conservation biology, comparative invertebrate embryology, and molecular population biology and ecology. Graduate research may be available through academic departments during both terms.

Application for summer admission to the Friday Harbor Laboratories must have been made to the director before March 1. Additional information may be found on the Web at http://www.fhl.washington.edu. You may direct questions to admin@fhl.washington.edu or call the labs at (206) 543-1484.

Henry Art Gallery
The nationally acclaimed Henry Art Gallery on the UW campus lets you experience the art of our times. This summer's Henry experience will include The Fragmentation of Language, Aaron Siskind's photography in the style of the abstract expressionist movement (through July 5), and Andreas Gursky's large-scale photographs of landscapes and interior views. A major exhibition on the career and work of Jacob Lawrence and selections from the digital artist-in-residency program (a collaboration between 911 Media Arts Center and the Henry) will also be featured.
Student Services and General Information

Hours: Tuesday, Wednesday, Friday, Saturday and Sunday, 11 a.m.-5 p.m.; Thursday, 11 a.m.-8 p.m. Closed Mondays.
Location: The gallery is located near the 15th Ave. NE and NE 41st St. entrance to campus.
Telephone: (206) 543-2280
Admission: Free to all students with I.D., faculty and staff, children ages 13 and under, and Henry Gallery Association members; $3.50 senior citizens; $5 general admission. Admission to gallery is free on Thursdays from 5-8 p.m.

Language Learning Center
The Language Learning Center (LLC) provides technological and pedagogical resources for faculty and students to teach, learn, and research languages and cultures. LLC develops and acquires software, audio, and video materials for coursework, reading and aural/oral testing, and assignments. LLC offers audio and video, satellite, and cable TV facilities and services; multi-standard video and videodisc equipment are available upon reservation. The recording studio allows native speakers to make voice recordings. Audio cassette materials for sale to large language classes augment the audio cassette duplication service. Computer-assisted language materials integrating interactive digitized audio, video and graphics/animation are developed for student use in the center and other campus computing facilities. The Language and Cultural Corner is a general purpose facility used for informal language practice, moderated conversation groups, and special events, such as cultural activities, feature and documentary video and film viewing, and technology and pedagogy seminars.

The LLC is located in the daylight basement of Denny Hall. Denny 113 provides access to student computing, a free-study audio lab, satellite/cable/video viewing, and access to two electronic classrooms. Open during regular academic sessions. Summer Quarter hours are Mondays through Thursdays, 8 a.m.-8 p.m.; Fridays, 8 a.m.-4 p.m.; closed Saturdays; Sundays, 5-10 p.m.; closed on University holidays. Call (206) 685-9403 for general information, or (206) 543-0536 for personal assistance, or visit the Web site at http://www.llc.washington.edu/

Libraries
University of Washington libraries include Suzzallo and Allen Libraries, which contain the primary social sciences and humanities collections; the Odegaard Undergraduate Library; the Health Sciences Library and Information Center; the East Asia Library; 15 specialized branch libraries; and libraries at the UW Bothell and UW Tacoma campuses. Two on-campus libraries, the Marian G. Gallagher Law Library and the Elisabeth C. Miller Horticulture Library, are administered separately from the University of Washington library system.

All students, staff and faculty with valid University identification cards may borrow from these libraries. Student cards must have the correct validation sticker for the current quarter. Information on the card, loan periods and other circulation policies are available at all circulation desks.

Summer Quarter hours for libraries are available at all circulation desks; telephone: (206) 543-0140; World Wide Web: http://www.lib.washington.edu/

Recreational sports programs
The Department of Recreational Sports Programs manages several recreation facilities on campus, including the Intramural Activities Building (IMA), (206) 543-4590; the Golf Driving Range, (206) 543-8759; and the Waterfront Activities Center (WAC), (206) 543-9433. For information about operational hours and activities offered, call the telephone numbers indicated above or visit the Web site at http://weber.u.washington.edu/~ima/

The IMA has a fitness center (weight and cardiovascular machines), free weight room, facilities for aerobics, basketball, volleyball, racquetball, squash and badminton, saunas, locker rooms, swimming pool, outdoor tennis courts, sports fields and multi-purpose activity space.

Instruction in a variety of sports is available at the Intramural Activities Building (IMA) on a noncredit basis. Class time schedules will be available at the IMA after May 26, 1998. Contact the Sports Skills Office at (206) 543-2571 for more information.
Note to UW matriculated students: Spring Quarter students not attending Summer Quarter may purchase a Summer IMA Facility Use Card for $19.25; beginning Tuesday, May 26, 1998.

Student Union Buildings
The HUB, located in the center of campus, is a popular place to meet friends, eat, relax or study. There is a dining area, a branch of the University Book Store, a self-service postal center, a barber and style shop, a bank and three cash machines. A newsstand/candy counter, a ticket sales office, a lost-and-found center, a music/study lounge, and a number of free and low-cost meeting rooms are also available. There is also a games area which includes a 12-lane bowling center with auto-scoring and facilities for billiards, table tennis and darts, as well as video and pinball games. For more information, call (206) 543-1447.

Located on the shores of Portage Bay, the South Campus Center (SCC) serves as the central meeting place for students on the southern end of campus. Facilities and services similar to those of the HUB include meeting and conference rooms, display cases, a style shop, amusement games, a cash machine, a newsstand/candy counter, an espresso bar, and lounges with views of Portage Bay.

A branch of the University Book Store is also available in this facility. The Portage Bay Galley offers indoor and outdoor dining with a spectacular view, and Cafe By The Bay provides late afternoon and evening espresso, snacks and food items. For more information, call (206) 543-0530.

Housing and Transportation

Campus housing
If you are planning to spend the summer in Seattle and register for Summer Quarter classes at the UW, consider the convenience of living on campus close to classrooms, libraries and recreational facilities. Summer students receive accommodations in Lander Hall (or Stevens Court Apartments, see below), located on the southwest area of campus (coordinates B9-11 on the campus map, page 166).

Housing is available for single students staying for the full term or a or b term only (if you are taking a short course or workshop, see Workshop and short course accommodations, on this page). All rooms have beds, closets, drawer space and desks with study lamps, and are either single or double occupancy. Students provide their own towels, sheets, blankets and pillows. Parking spaces are available for an additional fee. Bathrooms are shared.

To request a housing application for Summer Quarter, contact the UW Housing and Food Student Services Office, University of Washington, Box 355842, Seattle, WA 98195-5842; telephone: (206) 543-4059; email: hfsinfo@u.washington.edu. If you plan to continue your UW studies Autumn Quarter and would like residence hall accommodations for the academic year, request a separate application for this purpose.

After you apply, you will receive your room assignment and additional information in early June. Your roommate preference will be honored if you and your roommate list each other on your applications, if you both apply by May 15, and a double room is available.

Payment is due in full when you check into the residence hall, or before you arrive, and may be made by cash or check (credit cards cannot be accepted).

Your full term housing payment includes a $522 ($261 for a or b term) deposit for your A La Carde™ Plus dining account—a dining debit card used to purchase meals at any University Food Services location. The amount of your purchase will automatically be deducted from your account. Any unused portion of your A La Carde™ Plus deposit over the minimum ($300 for full term or $150 for a or b term) is refundable at the end of the summer session.

Refer to your Summer Quarter residence hall contract for more details regarding your meal plan. Page 165 lists places on campus that accept A La Carde™ Plus.

Stevens Court Apartments
The Stevens Court Apartments are for students 20 years of age or older registered for at least 12 undergraduate credits or 10 graduate credits. Four to six students share a living room, kitchen, dining room and bathroom, and have their own bedroom. No meal plan is included and rental is on a month-to-month basis. Cost was not available at presstime. Please contact the Housing and Food Student Services Office for details.

Workshop and short course accommodations
If you will be attending a UW summer program that does not follow the full, a or b term schedule, you can obtain on-campus housing on a space-available basis through the Conference Housing and Special Services Office, McCarty Hall, Box 354471, University of Washington.

Student Services and General Information
Accommodations are double or single rooms furnished with twin beds. Linen is provided. Bathrooms are shared. Rates vary, but an overnight stay in a single room and breakfast will cost approximately $44. Special rates apply for those sharing rooms and for those staying longer than two weeks.

For more information about the on-campus accommodations available for short programs, contact the Conference Housing Office at least 30 days prior to the workshop or class you will be attending.

Privately owned accommodations
Listings of off-campus rental properties, such as rooming and boarding houses, housekeeping rooms, apartments, and houses, are maintained at the Student Union Building (HUB), Room 105; telephone: (206) 543-8997. The University does not inspect these accommodations, and, therefore, students and parents must accept full responsibility for making a selection. Because these listings change frequently, they cannot be mailed out and must be consulted in person.

Parking for students
The University encourages alternate forms of transportation. Carports of two or more in which all members have a U-PASS can park free in Montlake lot E1 by entering the south gate from 7-10 a.m., and after 4 p.m. in selected larger lots. Carports of three or more U-PASS holders may park free on the main campus in the Central Plaza Garage, Padelford Garage, and the N5 lot. All free carpool parking is available on a first-come, first-serve basis.

If driving alone is your only option, commuter students may park in one of the daily pay lots (E1, E3, E4 and E5) in east campus. Parking costs $1.75 in E1 and E3 and $1.50 in E4 and E5; the fee is payable in quarters only upon entry. There are ticket machines in lots E3, E4, and E5. Students who establish Husky Card Accounts (a prepaid debit card program) may use their card to park in E1.

Daytime parking permits for commuter students are in very short supply, and the few that are available are located in outlying lots. However, evening permits are available for most campus lots. Evening permits are valid 4 p.m.-7:30 a.m. weekdays, 7 a.m.-noon Saturdays. If you need to be on campus during both day and evening hours, consider using one of your U-PASS options during the day and parking on campus only at night. Evening permits do not come with a U-PASS or out-of-area parking privileges.

Residence hall students may obtain parking permits for Summer Quarter directly from Parking Services (3901 University Way, 7:30 a.m.-5 p.m., Monday-Friday) by filling out a permit application and showing their vehicle's current registration and their valid ID card. Family Housing and Stevens Court students must apply for their parking permits at the Housing Services Office in Lander Hall.

Parking accommodations for students with temporary disabilities are issued upon request at both Parking Services offices for limited time periods. Students with longer-term disabilities must first contact the Disabled Student Services Office at (206) 543-8924 to initiate a review for reasonable accommodation. If you already have a state disability placard, be sure to present it and the accompanying confirmation letter when making your request.

For additional parking information, obtain a copy of the Student Parking Guide at any campus Commuter Center, or see the parking Web site at www.washington.edu/admin/parking/ or email parking@u.washington.edu.

Transit services
Students may use their U-PASS on over 50 bus routes serving the University District; many include the UW campus. The U-PASS is valid on all regular Metro and Community Transit routes at all times. For complete details about the U-PASS, see page 146. Pierce Transit is not part of the U-PASS program. Timetables are available at nine Commuter Centers around campus, including the HUB, Schmitz Hall, and Health Sciences T-466A. Information can be obtained by calling Metro, (206) 553-3000; Community Transit (Snohomish County), (425) 778-2185; or the UW Transportation Office, (206) 543-0450.
formation regarding registration, course restrictions, requirements, etc., see an adviser or staff member in the Undergraduate Advising Center, 9 Communications, (206) 543-2551; call UW Educational Outreach Advising and Recruitment at (206) 543-6160; or, if you are a declared major, see your departmental advising office. It is the student's responsibility to make and maintain contact with advising resources.

Bookstore
Textbooks and other materials needed for UW classes may be purchased at the University Book Store, located just west of the campus at 4326 University Way NE. Regular store hours are Monday-Friday 9 a.m.-9 p.m., Saturday, 9 a.m.-6 p.m., and Sunday, noon-5 p.m.

The University Book Store also operates a number of smaller, campus branch stores. The HUB store in the Student Union Building stocks common classroom supplies, personal care products, general books, Husky apparel, gifts and stationary items. The Health Science store in the South Campus Center stocks textbooks, reference books, and other materials for students in the health sciences and related fields. Branch stores are also located at UW Bothell, (425) 485-4725, and UW Tacoma (253) 272-8080.

The University Book Store returns a portion of its income to UW customers in the form of a patronage refund based on purchases. Eligible customers are asked to save their receipts and return them to the store in envelopes provided for that purpose. The current rate of the patronage refund is 9 percent.

For more information about the University Book Store and its services, call (206) 634-3400, or visit the store's Web site at www.bookstore.washington.edu.

Center for Career Services
The Center for Career Services counsels University of Washington students and alumni in job search techniques and career management, acting as a liaison between students, alumni, employers, faculty and staff. Services are available to UW students and alumni who are registered with the office. Registration is free for students; alumni must pay applicable fees for the period of time during which services are desired.

Services include individual career counseling, job search seminars, a career information library, Minority Career Services, campus interviews, job opportunity bulletins, re-caring and dependable strengths workshops, credential file service, graduate school file service, 24-hour joblines, and career-and degree-related summer jobs/internships. To participate in the campus interview program, students must attend an orientation session and register via the World Wide Web at weber.u.washington.edu/ -careers/ For more information, please come to the Center for Career Services at 301 Lowel Hall, Box 352190, or call (206) 543-0535.

Childcare program
For students who are parents, a childcare resource directory is designed to help find licensed childcare facilities. This resource is available in the Office of the Vice President for Student Affairs. For more information, visit the Childcare Coordinating Office, 466 Schmitz; telephone: (206) 543-1041.

Financial aid
In order to be eligible for any type of need-based aid, a student must be a regularly admitted, matriculated student. Summer-only nonmatriculated students are not eligible for financial aid. Students who wish to apply for Summer Quarter financial aid should file the Free Application for Federal Student Aid as soon as possible and request a summer aid application from the Office of Student Financial Aid, 105 Schmitz, telephone (206) 543-6101.

Medical care
The University provides outpatient health and medical care for students through the Hall Health Primary Care Center. All undergraduate and graduate students, registered for full- or part-time courses and paying student fees, are eligible for health service upon presentation of a current University student identification card. Students must pay for pharmacy prescriptions, mental health services, physical examinations, and some other services as well as for outside laboratory work. Services provided through the Hall Health Primary Care Center should not be confused with student health insurance, available through the University and purchased at the time of registration (see page 145). A student may use Hall Health Primary Care Center services without having student insurance. For details, consult the Hall Health Primary Care Center brochure; telephone: (206) 685-1011.

The University Hospital emergency room handles emergencies when the Hall Health Primary Care Center is not open. University police assistance may be obtained for first aid at the scene of an accident or for emergency ambulance transportation from any University building or on-campus location by dialing the emergency call number, 9-911. University Hospital services are not covered by student health insurance. If you have accident and sickness insurance, you must likely have to pay for a portion of the charges for University Hospital emergency room care.

Minority affairs
The Office of Minority Affairs administers many different programs providing services for underrepresented minority and educationally/economically disadvantaged students.

The Educational Opportunity Program, administered by the Office of Minority Affairs, provides a variety of services to students from minority and economically/ educationally disadvantaged backgrounds. These services include recruitment, academic advising, tutoring, personal and career counseling, housing, and financial aid advising, and other assistance. For more information, call (206) 543-6598.

The Recruitment Outreach Office, located on the third floor of Schmitz Hall, is open Monday through Friday, 8 a.m.-5 p.m. Those who would like to discuss the possibility of enrolling at the University, whether for Summer Quarter or some other quarter, are welcome. For more information, call (206) 543-5715.

The Office of Minority Affairs also operates the Instructional Center, which provides instructional support for courses offered at the University, and special programs in reading, composition, mathematics, sciences, and basic study skills. The center is located at 1307 NE 40th.
Student services and general information

Student affairs
The Division of Student Affairs assists the University in fulfilling its academic mission by providing a broad range of services and programs designed to further the educational and personal development of students.

Students are encouraged to contact the Office of the Vice President for Student Affairs, (206) 543-4972, 476 Schmitz, for information concerning various aspects of extra-class life at the University.

Student associations
Washington Student Lobby (WSL)
For details, please see page 154.

Washington Public Interest Research Group (WashPIRG)
For details, please see page 154.

Associated Students of the University of Washington (ASUW)
The Associated Students of the University of Washington is a voluntary association of students designated by the University Regents to carry out a variety of student activities. Opportunities within the ASUW include volunteer, paid and elected positions. Information about the ASUW can be obtained from the ASUW Office in Room 204L of the Student Union Building. Students may join ASUW when registering on STAR.

Student Counseling Center
All currently enrolled students at the University may use the services of the Student Counseling Center and its staff of psychologists and counselors. Typical issues discussed include: relationships, family of origin, adjustment to the University, career choice, choice of major and academic skills. Choice of classes/class schedule are handled by Undergraduate Advising. The counseling center is located at 401 Schmitz Hall; telephone: (206) 543-1240.

Student employment
The Center for Career Services lists career related full-time jobs and part-time, temporary, summer and internship opportunities. Part-time student employment jobs, internships and summer jobs can be accessed through a 24-hour jobline by dialing (206) 543-1840. Hard copies of listings are also available on the first floor of Loew Hall or in 301 Loew Hall. See page 153 for more information about the Center for Career Services.

Student insurance
For details, please see page 145.

Students with disabilities
Disabled Student Services (DSS) is firmly committed to ensuring that qualified students with documented disabilities are provided with an equal opportunity to participate in the educational, recreational and social opportunities available at the University. DSS provides a variety of services to students with both permanent and temporary disabilities. These services may include, but are not limited to: priority registration, moving classrooms to accessible locations, audio-taped/large print textbooks/
versity of Washington with respect to all of these laws and regulations is under the direction of Assistant Provost for Equal Opportunity, Dr. Helen Remick, Equal Opportunity Office, Box 354560, 4045 Brooklyn Ave. NE, University of Washington, Seattle, Washington 98105-6261, telephone: (206) 685-3263/V or (206) 543-6452/TTY.

Immunization
All new and returning former students, and all students living in the University of Washington residence halls or single-student apartments, are required either to provide proof of measles (rubeola) immunity or request that the requirement be waived for religious, personal or medical reasons. Such students will not be allowed to register for any classes until the Hall Health Primary Care Center (the student health center on campus) confirms that they have satisfied this requirement.

Students must complete the student health center’s Measles Immunity Verification form and provide either certifications by their health-care providers or copies of original immunization records as proof of 1) two live virus measles (rubeola) vaccinations, both given after 1967; or 2) positive measles (rubeola) titer (blood test for antibodies against measles); or 3) a history from a health-care provider of measles (rubeola) disease. Students born before 1957 are considered immune to measles.

In the event of an outbreak on the campus, all students without documentation of measles immunity, including students with waivers, will be barred from classes, living groups and other campus activities until health officials determine that there is no risk of transmitting the disease to others. Measles Immunity Verification forms are available at the Hall Health Primary Care Center and the Registration Office at 225 Schmitz Hall. For more information, students should contact the Hall Health Primary Care Center at (206) 616-4672 and leave voice-mail messages to which members of the nursing staff will respond.

Sexual harassment grievance procedure
Students, as well as members of the faculty and staff, who wish to file a complaint regarding sexual harassment may contact any of the offices listed below:

Ombudsman for Sexual Harassment, 301 Student Union Building, (206) 543-0283

University Complaint, Investigation and Resolution Office, 1415 NE 45th St., Room 405, (206) 616-2028

Office of the Vice President for Student Affairs, 476 Schmitz Hall, (206) 543-4972

Release of student directory information
The Family Educational Rights and Privacy Act (FERPA) of 1974 protects the privacy of your education records. As a general rule, the University will not release a student’s education records to a third party without written consent of the student. This includes tuition account information. The complete University policy on student education records and the location of such records may be found in the Washington Administrative Code under WAC 478-140. Manuals containing the Code are available at Reference Stations on campus and at the Visitor’s Information Center, 4014 University Way NE. The policy cov-
### Undergraduate Interdisciplinary Programs

#### College Code A

<table>
<thead>
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<th>Course Code</th>
<th>Department or program name</th>
<th>Classification</th>
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<tr>
<td>ENV 101</td>
<td>Program on the Environment</td>
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<tr>
<td>NUR 101</td>
<td>Introductory Nursing</td>
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#### Architecture and Urban Planning, College of College Code B

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<td>Architecture</td>
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<tr>
<td>ARCH 102</td>
<td>Architecture Theory</td>
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<tr>
<td>ARCH 103</td>
<td>Architecture Practice</td>
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<tr>
<td>ARCH 104</td>
<td>Architecture History</td>
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#### Arts and Sciences, College of College Code C

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<td>American Ethic Studies</td>
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<td>ASAM 102</td>
<td>Asian American Studies</td>
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<td>ASAM 103</td>
<td>Anthropological Studies</td>
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<td>ASAM 104</td>
<td>Applied Mathematics</td>
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<td>ASAM 105</td>
<td>Asian History</td>
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<td>ASAM 106</td>
<td>Asian Languages &amp; Lit</td>
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<td>ALTA 101</td>
<td>Arabic</td>
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<td>VIET 101</td>
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<td>ASA 101</td>
<td>Atmospheric Sciences</td>
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<td>BIOL 101</td>
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<td>CHEM 101</td>
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<td>BIOG 101</td>
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#### Business Administration, School of College Code E

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<td>ACCNT 101</td>
<td>Accounting</td>
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<td>BA 101</td>
<td>Business Administration</td>
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<tr>
<td>AD 101</td>
<td>Administrative Methods</td>
<td>M</td>
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<tr>
<td>BA 102</td>
<td>Business Communications</td>
<td>M</td>
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<tr>
<td>BU 101</td>
<td>Business Marketing</td>
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<tr>
<td>BUS 101</td>
<td>Business Policy</td>
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<tr>
<td>EMB 101</td>
<td>Executive Masters Business</td>
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<td>FIN 101</td>
<td>Finance</td>
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<td>BUS AD 101</td>
<td>Graduate Business Admin</td>
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<td>MCOM 101</td>
<td>Human Resource Management</td>
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<tr>
<td>IS 101</td>
<td>Information Technology</td>
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<tr>
<td>BUS 102</td>
<td>International Business</td>
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<td>BUS 103</td>
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<td>MCO 101</td>
<td>Marketing</td>
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<td>OPMT 101</td>
<td>Operations Management</td>
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<td>O/E 101</td>
<td>Organization &amp; Environment</td>
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<td>OMEM 101</td>
<td>Quantitative Methods</td>
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<td>ST 101</td>
<td>Strategic Management</td>
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#### Dentistry, School of College Code U

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<td>DENT 101</td>
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<td>DENT C 101</td>
<td>Dent ConcurrPart</td>
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<td>DENT V 101</td>
<td>Dentistry Visiting Student</td>
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#### Education, College of College Code H

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<tr>
<td>EN 101</td>
<td>English</td>
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<tr>
<td>ESL 101</td>
<td>English as 2nd Language</td>
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<tr>
<td>BRID 101</td>
<td>Bilingual Education</td>
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<tr>
<td>ELECT 101</td>
<td>Electrical Engineering</td>
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<tr>
<td>EN 102</td>
<td>English Special</td>
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#### Engineering, College of College Code J

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<tr>
<td>AC 101</td>
<td>Aeronautics &amp; Astronautics</td>
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<td>CHEM 101</td>
<td>Chemical Engineering</td>
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<tr>
<td>CIV 101</td>
<td>Civil Engineering</td>
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<tr>
<td>CIVE 101</td>
<td>Civil Engineering Core Courses</td>
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</tbody>
</table>
Complete Your B.A. or Graduate Degree in the Evening

NEW

Start-to-Finish Program

A collaborative effort between Seattle community colleges and the UW

A new Evening Degree Program option is now available for students who wish to earn both their Associate in Arts degree in community college and ultimately their Bachelor of Arts degree at the UW, entirely in the evening.

A collaborative effort by the Seattle Community Colleges and the UW, this Start-to-Finish Evening Degree Program is ideal for people who work or have other responsibilities during the day. The program offers an increased number of conveniently scheduled community college freshman and sophomore evening transfer courses.

You can begin the Start-to-Finish Evening Degree Program any quarter. For additional information and advising, please call the advising office at North Seattle Community College, (206) 527-3658, Seattle Central Community College, (206) 587-4068, South Seattle Community College, 764-5387, or UW Evening Degree Advising, (206) 543-6160.

Choose from 10 undergraduate majors

Choose one of 10 UW Evening Degree Program majors to complete your undergraduate study:

- Anthropology
- Business: With tracks in marketing, management and general business.
- English
- Communications
- History
- Humanities: Including tracks in interpretation and communication; and literature, arts and culture.
- Political Science
- Psychology
- Social Sciences: With tracks in social and environmental issues; law, politics and the economy; and gender, ethnicity and culture.
- Sociology

HOW TO APPLY

The priority application deadline is May 15 for Summer Quarter and July 15 for Autumn Quarter.

Applications for business majors are accepted only once a year, by April 15 (April 1 for UW matriculated students).

- Learn more about the undergraduate majors

Attend an open house on Thursday, April 30, 5-7 p.m. in the Student Union Building (HUB), room 108, on the UW campus.

Advisers for each evening degree major will be available at the open house to answer questions about admission requirements and the curriculum.
Choose from 12 graduate degrees

- **Master of Business Administration**
  Information meetings: First Thursday of every month, 4:30 p.m., MacKenzie Hall, Room 110, UW campus.*

- **Professional Master in Computer Science and Engineering**
  Information meetings: For details, see Web: www.cs.washington.edu/masters

- **Master in Construction Management**
  Information meeting: Wednesday, May 20, 6-7 p.m., Kane Hall, Walker-Ames Room, UW campus.*

- **Master of Education**

- **Doctorate of Education**

  Degrees offered through Educational Leadership and Policy Studies, with an emphasis on the study of higher education. Degrees do not lead to teaching certificates.

- **Master in Health Administration**

- **Master of Library and Information Science**

- **Doctor of Pharmacy**

- **Master of Applied Physics**

- **Master of Professional Accounting in Taxation**

- **Master of Public Administration**

- **Master of Social Work**
  Information meetings: Every Wednesday, 3:30 p.m., School of Social Work, 4101 15th Ave. NE (except during finals and breaks between quarters).*

- **Master of Educational Administration**

- **Master of Library and Information Science**

- **Master of Applied Physics**

- **Master of Professional Accounting in Taxation**

- **Master of Public Administration**

- **Master of Social Work**
  Information meetings: Every Wednesday, 3:30 p.m., School of Social Work, 4101 15th Ave. NE (except during finals and breaks between quarters).*

*To request disability accommodations, please contact the UW Disability Services Office as early as possible at (206) 543-6450 (voice), (206) 543-6452 (TTY), (206) 685-3885 (fax) or access@uw.washington.edu (email).
UW Credit Courses to Help You Complete Your Degree

- **Earn UW Course Credits**
  Credit courses can apply towards your degree and appear on your transcripts.

- **Learn Off Campus**
  - Study where and when you want through distance learning.
  - Use email and voice mail to communicate with your instructors and get feedback on assignments.
  - Enroll anytime and study at your own pace. Courses are designed to be completed in three months.

- **University of Washington Quality**
  Distance learning courses and certificate programs at the UW meet the highest standards of educational excellence. Credit and noncredit courses are each approved by faculty and department chairs.

- **Taught by UW Faculty**
  Many distance learning courses are taught by the same faculty who teach these courses on campus. All instructors are approved by the appropriate academic units.

The instructional costs for distance learning courses are supported by student fees and are not included in the regular UW tuition.

To request a UW Distance Learning catalog, call (206) 543-2320 or 1-800-543-2320, or visit the Web site at www.edoutreach.washington.edu/dl
Accounting
ACCTG C210 Introduction to Accounting (3) William Wells CSN2144
ACCTG C230 Fundamentals of Managerial Accounting (3) Tim McCorcle CSN2145

American Ethnic Studies
AES C489 Ethnicity, Gender and Media (5) Gerald Baldasty CSN2286 (R$11). Also offered as CMU C489 and WOMEN C489.

American Indian Studies

Anthropology
ANTH C202 Principles of Sociocultural Anthropology (5) Leslie Johnson CSN2067

Astronomy
ASTR C150 The Planets (5) Kalpana Gilroy CSN1958

Atmospheric Science
ATM S C101 Weather (5) Janice DeCosmo CSN1999

Business Communications
B CMU C301 Basic Written Business Communications (4) CSN2224

Chemistry
CHEM C115 Chemistry for Life (5) Sara Selfe CSN2072
CHEM C142 General Chemistry (4) Kristina Peterson—A group start course. Call (206) 543-2310 before registering.
CHEM C152 General Chemistry (4) Kristina Peterson Call (206) 543-2310 before registering.

Classics
CLAS C430 W Greek and Roman Mythology (3) Alain Gowing CSN2190

Communications
CMU C340 History of Mass Communication (5) Gerald Baldasty CSN2073
CMU C341 W Government and Mass Communication (5) Richard Kielbowicz CSN1789 (email required, optional fee: $60; R$9)
CMU C440 W Mass Media Law (5) David Danner CSN2147

CMU C489 Ethnicity, Gender and Media (5) Gerald Baldasty CSN2289 (R$11). Also offered as AES C489 and WOMEN C489.

Comparative History of Ideas
CHID C110 W The Question of Human Nature (5) James Cloves CSN2146 (R$30, V$15)

Comparative Literature
CLIT C211 W Literature and Culture (5) Inger Gilbert CSN2069
CLIT C375 W Images of Women in Literature (5) Inger Gilbert CSN2070

Comparative Religion
RELIG C202 W Introduction to World Religions: Eastern Traditions (5) Linda Illis CSN2135

Economics
ECON C200 Introduction to Microeconomics (5) Eva Tanlapco CSN2074
ECON C201 Introduction to Macroeconomics (5) Steve Stillman CSN2148
ECON C300 Intermediate Microeconomics (5) Eva Tanlapco CSN2075

Education
EDC&I C494 Workshop in Improvement of Curriculum: Adaptive Computer Technology—An online group start course beginning September. (3) Sheryl Burgstahler CSN2250 (V$20, email required) Also offered as REHAB C496. Call (206) 543-2310 before registering.

English
ENGL C131 Composition: Exposition—An online course (5) Malcolm Griffith CSN2076
ENGL C200 Reading Literature (5) Mark Patterson CSN2079
ENGL C225 W Shakespeare (5) Charles Frey CSN2090
ENGL C242 Reading Fiction (5) Malcolm Griffith CSN2081
ENGL C250 W Introduction to American Literature (5) John Griffith CSN2186
ENGL C281 Intermediate Expository Writing—An online course (5) Robert Abrams CSN2082
ENGL C283 Beginning Verse Writing (5) William Dunlop CSN1960
ENGL C284 Beginning Short Story Writing (5) Carol Orlock CSN2237
ENGL C304 History of Literary Criticism and Theory II (5) Malcolm Griffith CSN1815
ENGL C310 W The Bible as Literature (5) John Griffith CSN2236

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<td>ENGL C323</td>
<td>W Shakespeare to 1603 (5)</td>
<td>Charles Frey</td>
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<tr>
<td>ENGL C324</td>
<td>W Shakespeare after 1603 (5)</td>
<td>Charles Frey</td>
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<tr>
<td>ENGL C325</td>
<td>English Literature: The Late Renaissance (5)</td>
<td>Joanne Altieri</td>
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<td>ENGL C326</td>
<td>Milton (5)</td>
<td>Joanne Altieri</td>
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<tr>
<td>ENGL C333</td>
<td>W English Novel: Early and Middle 19th Century (5)</td>
<td>William Dunlop</td>
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<td>ENGL C340</td>
<td>W The Modern Novel (5)</td>
<td>Malcolm Griffith</td>
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<td>W Fantasy (5)</td>
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<td>ENGL C352</td>
<td>W American Literature: The Early Nation (5)</td>
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<td>W American Literature: The Early Modern Period (5)</td>
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<td>W American Literature: Contemporary America (5)</td>
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<td>ENGL C381</td>
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<td>ENGL C384</td>
<td>Intermediate Seminar: Short Story Writing (5)</td>
<td>Carol Orlock</td>
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<td>ENGL C477</td>
<td>W Children’s Literature (5)</td>
<td>John Griffith</td>
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<td>FD SC C300</td>
<td>Nutrition for Today (3)</td>
<td>Barbee Tucker</td>
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<td>GEOG C102</td>
<td>World Regions (5)</td>
<td>Linda Becker</td>
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<td>GEOC C101</td>
<td>Introduction to Geography (5)</td>
<td>Elizabeth Neabitt</td>
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<td>GEOL C101</td>
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<td>Elizabeth Neabitt</td>
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<td>UCONJ C440</td>
<td>Biological Aspects of Aging (3)</td>
<td>Ruth Crouch</td>
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<td>UCONJ C442</td>
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<td>Martha Richards</td>
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<td>HSTAA C201</td>
<td>Survey of the History of the United States (5)</td>
<td>Robert McKenzie</td>
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<td>John Sagers</td>
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<td>HSTAS C432</td>
<td>W History of Washington and the Pacific Northwest (5)</td>
<td>Bonnie Christensen</td>
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<td>I BUS C300</td>
<td>The International Environment of Business (5)</td>
<td>John Hallaq</td>
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<td>LING C100</td>
<td>Introduction to Grammar (5)</td>
<td>Laura Snow</td>
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<td>Douglas Wulf</td>
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<td>MKTG C301</td>
<td>Marketing Concepts (4)</td>
<td>John Hallaq</td>
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<td>MKTG C340</td>
<td>Advertising (4)</td>
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<td>MATH C101</td>
<td>Intermediate Algebra (0)*</td>
<td>James Baxter</td>
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<td>MATH C107</td>
<td>Mathematics: A Practical Art (5)</td>
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<td>Algebra with Applications (5)</td>
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<td>Applications of Calculus to Business and Economics (5)</td>
<td>Shana D. Calaway</td>
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<td>MATH C120</td>
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<td>LaVerne Bjerke</td>
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<td>MATH C126</td>
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<td>Nutrition for Today (5)</td>
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<td>W The Politics of Mass Communication in America (5)</td>
<td>Tom Berry</td>
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<td>W Fundamentals of Psychological Research (4)</td>
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<td>Noni Phillips</td>
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<td>PSYCH C306</td>
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<td>Virginia Gunderson</td>
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<tr>
<td>PSYCH C322</td>
<td>Introduction to Drugs and Behavior (3)</td>
<td>Jaime Diaz</td>
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<td>PSYCH C345</td>
<td>W Social Psychology (5)</td>
<td>Jonathon Brown</td>
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<td>PSYCH C355</td>
<td>Survey of Cognitive Psychology (5)</td>
<td>Penny Yee</td>
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<tr>
<td>PSYCH C415</td>
<td>Cognitive Development (5)</td>
<td>Susan Joslyn</td>
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</tr>
</tbody>
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### Rehabilitation Medicine

**REHAB C458** Augmentative and Alternative Communication: Implementation Strategies—An online group start course beginning June 22 (3) Patricia Dowden, Kathryn Yorkston CSN2057 (V$20, email required) Also offered as SPHSC C453. Call (206) 543-2310 before registering.

**REHAB C496** Adaptive Computer Technology—An online group start course beginning September (3) Sheryl Burgstahler CSN2055 (V$20, email required) Also offered as EDCd C494. Call (206) 543-2310 before registering.

**REHAB C496** Medical Aspects of Disability—A video course (3) Kurt Johnson CSN2200 (V$50, R$15)

### Sociology

**SOC C110** Survey of Sociology (5) Virginia Paulsen CSN2136

**SOC C271** W Introduction to the Sociology of Deviance—A video course (5) George Bridges and Kristin Bates CSN2137 (V$60 rental)

**SOC C352** The Family (5) Beth Weinstein CSN2238

**SOC C371** W Criminality (5) Kristin Bates CSN1966

### Spanish

**SPAN C101** Elementary Spanish—A video course (5) Rita Wirkala CSN2240 (T$45, V$60 rental, voice mail $12)

**SPAN C102** Elementary Spanish—A video course (5) Ganesh Basdeo CSN2199 (T$24, V$60 rental, voice mail $12)

**SPAN C103** Elementary Spanish—A video course (5) Ganesh Basdeo CSN2198 (T$32, V$60 rental, voice mail $12)

### Rehabilitation Medicine

**SPHSC C453** Augmentative and Alternative Communication: Implementation Strategies—An online group start course beginning June 22 (3) Patricia Dowden, Kathryn Yorkston CSN2057 (V$20, email required) Also offered as REHAB C458. Call (206) 543-2310 before registering.

### Speech Communication

**SP CMU C102** Speech, the Individual and Society (5) Gerry Philipsen CSN2139

**SP CMU C220** Introduction to Public Speaking—A group start course beginning July 6; Register by June 22 (5) Karen Zediker CSN2249 (V$15; email required)

### Statistics

**STAT C220** Basic Statistics (5) James Baxter CSN2041

**STAT C311** Elements of Statistical Methods (5) James Baxter CSN2140

### Technical Communication

**ENGR C231** Introduction to Technical Writing (3) Christi Ruscin CSN2255

**TC C401** Style in Scientific and Technical Writing (3) Susan Rhodes CSN2141 (R$10)

### University Conjoint

**UCONJ C440** Biological Aspects of Aging (3) Ruth Craven CSN1941

**UCONJ C442** Social and Cultural Aspects of Aging (3) Martha Richards CSN1942 (R$10)

### Writers' Program

For complete details about the Writers' Program, please call 543-2320 and request a brochure. Students who successfully complete courses, earn Continuing Education Units (CEUs). Courses are not offered for academic credit.

**WRI FIC C105** Introduction to Literary Fiction Writing—First course in the Writers' Program: Literary Fiction series (3 CEUs) David Downing CSN2287 Fee: $315

**WRI FIC C111** Intermediate Literary Fiction Writing: The Novel (3 CEUs) Carol Orlock CSN1967 Fee: $315

**WRI FIC C112** Intermediate Literary Fiction Writing: The Short Story (3 CEUs) k. Margaret Grossman CSN1821 Fee: $315

**WRI FIC C119** Advanced Literary Fiction Writing: The Short Story (3 CEUs) Carol Orlock (email required) CSN1822 Fee: $315

### Women Studies

**WOMEN C489** Ethnicity, Gender and Media (5) Gerald Baldasty CSN2290 (R$11). Also offered as AES C489 and CMU C489.

### Registration and Fees

**How to Register**

To register by mail, complete the registration form on the next page. To register by phone using VISA or MasterCard, call (206) 543-2320 or 1-800-543-2320, Mondays through Thursdays, 9 a.m.-7 p.m., or Fridays, 9 a.m.-5 p.m. Please specify the course schedule number (CSN) when registering. Students have three months to complete a course with the possibility of a three-month extension.

**Fees**

The cost of noncredit courses is shown with the course information. Undergraduate credit courses cost $77 per credit; graduate courses are $182 per credit. Effective July 1, fees are $80 per undergraduate credit and $189 per graduate credit. All students pay a nonrefundable $15 registration fee each quarter that they register. Credits are shown in parenthesis after the course title. There is a $60 nonrefundable fee to receive a Uniform Access account which provides access to email and the Internet. Any supplemental fees for tapes (T), readings (R), lab kits (L) and videos (V) are at the end of each course listing. In addition, most courses require the purchase of textbooks from the University Book Store (details will be included with your registration confirmation). For descriptions or additional information on optional supplemental materials, call 543-2320. Full refunds minus the $15 registration fee and study guide cost are available if you withdraw within 15 calendar days of registration.
# UW Distance Learning

## Registration Form for UW Distance Learning

(Only for UW Distance Learning courses listed on pages 161-163)

- **Name (Last):** [Name]
- **Mailing Address:**
  - Street:
  - City:
  - State:
  - ZIP code:

- **Have you ever enrolled for credit courses at the University of Washington?**
  - [ ] Yes
  - [ ] No
  - Expected date of graduation: __ __ __ __

- **Have you ever taken a course through UW Distance Learning?**
  - [ ] Yes
  - [ ] No

## Course Information

### Course 1
- **Department name/course number:**
- **Course section number (4-digit CSN):**
- **Type of credit requested (check one):**
  - [ ] Numeric
  - [ ] S/NS
  - [ ] Audit
- **Number of credits/CEUs:**
- **Course fee:** $77/undergraduate credit
  (Effective July 1: $80/undergraduate credit)

### Course 2
- **Department name/course number:**
- **Course section number (4-digit CSN):**
- **Type of credit requested (check one):**
  - [ ] Numeric
  - [ ] S/NS
  - [ ] Audit
- **Number of credits/CEUs:**
- **Course fee:**

## Supplemental Materials
- Tapes
- Readings
- Lab Kit
- Uniform Access account ($60/six months)
- Other

## Foreign Postage
- $15 for 1-3 credits and $25 for 4 or more credits.

## Fee Summary
- **Course 1 total cost:** $ __
- **Course 2 total cost:** + $ __
- **Registration fee:** + $ 15
- **Total paid:** $ __

## Method of Payment
- All fees must be paid at the time of registration.
- [ ] Check (made payable to the University of Washington)
- [ ] Third-party payer—separate document (purchase order or letter of authorization to bill) must accompany registration form.
- [ ] VISA
- [ ] MasterCard

**Note:** UW Distance Learning reserves the right to adjust fees, discontinue courses or change instructors as circumstances warrant.

1. Graduate fees are higher. See page 163.
2. Foreign postage must be paid by students living outside the United States, Canada or Mexico when lessons and materials are to be sent through international mail.
3. The postage fee is $15 for 1-3 credits and $25 for 4 or more credits.

---

**Mall completed form and fees to:**
UW Extension Registration Services
5001 25th Ave. NE
Seattle, WA 98105-4190

**To register by phone using:**
VISA or MasterCard, call:
(206) 543-2310 or 1-800-543-2320,
(206) 685-9559 (fax)

To request disability accommodations, contact the UW Disability Services Office,
543-6490 (voice), 543-6452 (TTY), 685-3885 (fax) or access@u.washington.edu (email).

---

**Social Security number (optional, but aids processing) Date of birth**
- ( ) ( )

**Work telephone number Home telephone number**
- ( )

**Email address FAX number**

---

**Occupation**

**How did you hear about UW Distance Learning?**
- [ ] UW adviser (9)
- [ ] Other college adviser (7)
- [ ] UW Distance Learning catalog (4)
- [ ] UW Extension catalog (13)
- [ ] UW Time Schedule (19)
- [ ] Newspaper (2)
- [ ] Poster (28)
- [ ] UWTV (36)
- [ ] Other (26)

---

**For your use only**
- DANTES
- URISA
- Balance due
- Refund
- ID number
- Bookstore order no.
- Date book ordered
- Amount

---

**Method of payment**

---

**Name as it appears on card**

---

Note: UW Distance Learning reserves the right to adjust fees, discontinue courses or change instructors as circumstances warrant.
Guide to Classroom Locations

The three-letter abbreviation is spoken on STAR accompanied by the classroom number when the list schedule transaction (L#) is selected. The classroom abbreviation is also printed on your printed Registration Confirmation.

ACC  Academic Computing Center (12-C)
ADM  Administration Building (see GRB-Gerberding Hall) (9-G)
AER  Aerospace and Engineering Research Building (11-H)
ALB  Allen Library (6-F)
AND  Anderson Hall (13-I)
ARC  Architecture Hall (10-F)
ART  Art Building (6-F)
ATG  Atmospheric Sciences–Geophysics Building (11-G)
BAG  Bagley Hall (11-H)
BGH  Botany Greenhouse (13-G)
BLI  UW Bothell Campus
BLD  Bloedel Hall (11-E)
BLM  Balmer Hall (5-F)
BMM  Burke Memorial Museum (4-F)
BNS  Benson Hall (12-G)
BYT  Bryant Building (13-B)
CDH  Center on Human Development and Disability (18-F)
CHL  Chemistry Building (12-H)
CDH  Condon Hall (6-B)
CLF  3731 University Way, NE (13-D)
CLK  Clark Hall (7-F)
CMH  Ceramic and Metal Arts Building*
CMU  Communications Building (9-J)
CNH  Canoehouse (18-N)
CQS  Center for Quantitative Sciences in Forestry, 3731 University Way NE (13-D)
COH  Children's Hospital
CCH  Conibear Shellhouse (13-N)
CTU  Clinical Training Unit (within CDC) (18-I)
DEN  Denny Hall (6-G)
DSC  Drama Scene Shop, 3941 University Way NE (10-D)
ECC  Ethnic Cultural Center (10-C)
EDB  Edmundson Pavilion (13-L)
EEB  Electrical Engineering Building (12-J)
EEU  Experimental Education Unit (within CDH) (18-I)
EGA  Engineering Annex (11-K)
EGL  Egleston Hall (6-E)
ELB  Engineering Library (10-K)
FIS  Fisheries Center (17-G)
FLK  Fluke Hall (9-L)
FRH  Friday Harbor Laboratories
FTR  Fisheries Teaching and Research Building (13-B)
GA1  Guthrie Annex 1 (13-E)
GA2  Guthrie Annex 2 (13-I)
GA3  Guthrie Annex 3 (10-E)
GDR  Golf Driving Range
GHM  Group Health Hospital
GLD  Gould Hall (10-D)
GRB  Gerberding Hall (Administration) (9-G)
GTH  Guthrie Hall (11-F)
GUG  Guggenheim Hall (11-I)
GWN  GWN Hall (6-H)
HAG  Henry Art Gallery (6-E)
HCK  Hitchcock Hall (13-F)
HHL  Harris Hydraulics Laboratory (16-F)
HLL  Hall Health Center (8-K)
HMC  Harborview Medical Center
HND  Henderson Hall (10-A)
HPT  Hughes Huminous Theater (5-H)
HRC  Fred Hutchinson Cancer Research Center
HSA  Health Sciences Center wings A, B, and C (15-H)
HSB  Health Sciences Center wings AA and BB (16-G)
HSD  Health Sciences Center wings D, E, F, G, and H (15-G)
HSI  Health Sciences Center wing I (15-G)
HSJ  Health Sciences Center wing J (14-F)
HSR  Health Sciences Center wing RR (16-I)
HST  Health Sciences Center wing T (15-G)
HUB  Student Union Building (9-J)
HUT  Hutchinson Hall (4-I)
ICH  Cunningham Hall (11-F)
ICT  Instructional Center/Theater (10-C)
IMA  Intramural Activities Building (11-N)
JHA  Johnson Annex A (10-G)
JHN  Johnson Hall (10-H)
KIN  Kincaid Hall (12-F)
KNE  Kane Hall (8-G)
LA1  Lewis Annex 1 (5-K)
LA2  Lewis Annex 2 (5-K)
LA3  Lewis Annex 3 (6-K)
LEW  Lewis Hall (5-I)
LOW  Low Hall (10-K)
MAR  Marine Studies Building (16-D)
MEB  Mechanical Engineering Building (11-K)
MGH  Mary Gates Hall, formerly Physics Hall (10-H)
MKZ  Mackenzie Hall (5-I)
MNY  Mann Hall (9-F)
MLR  Miller Hall (7-J)
MOR  More Hall (12-J)
MSB  Marine Sciences Building (15-E)
MUE  Mueller Hall (14-J)
MUS  Music Building (7-J)
NOC  Not on Campus
NPL  Nuclear Physics Laboratory (4-L)
NRB  Nuclear Reactor Building (12-K)
ORS  Observatory (4-G)
OCB  Oceanography Barge (15-E)
OCE  Oceanography Building (16-F)
ORB  Oceanography Research Building (15-D)
OTO  Oceanography Teaching Building (15-E)
OUG  Odegaard Undergraduate Library (8-F)
PAB  Physics-Astronomy Building (11-E)
PAR  Parrington Hall (7-F)
PDL  Padelford Hall (6-K)
PHY  Physics Hall (See MGH-Mary Gates Hall) (10-H)
PLT  Plant Laboratory (13-G)
PSC  Pacific Science Center
PTH  Playhouse Theater (5-H)
RAI  Raitt Hall (6-I)
ROB  Roberts Hall (13-J)
SAR  Savery Hall (7-H)
SIG  Sieg Hall (10-I)
SMI  Smith Hall (8-I)
SMT  Smith Hall (8-I)
SMZ  Smith Hall (8-I)
SUG  Student Union Building (9-J)
SUZ  Suzzallo Library (9-H)
SWS  Social Work/Speech and Hearing Sciences Building (7-E)
TGB  Graves Building (12-M)
THO  Thomson Hall (8-J)
TLI  UW Tacoma Campus
UMC  University Medical Center wings CC, EE, NE, NN, NW, SE, SS, and SW (16-H)
UME  University Medical Center wings EA, EB, and EC (16-I)
WCL  Wilson Ceramic Laboratory (14-J)
WFS  Winkenwerder Forest Science Laboratory (14-I)
WIL  Wilcox Hall (13-K)

Classroom locations available online

http://www.washington.edu/students/reg/buildings.html/

This new page has been added to the UW home page. It lists classroom locations which are linked to a readable map. Click on the building to display its location on the campus map.

Cafes and food services

The following cafes and food services are located throughout the campus and are open to the public. Hours of operation vary. Please designate by ♣ accept/A La Carte+ Plus accounts.

♣ The Boeing Cafe/ Burke Museum (5-F)
♣ By George, Odegaard Undergraduate Library (8-F)
♣ Court Cafe/Health Sciences E-Wing (15-C)
♣ Design Coffee Shop/ Gould Hall (10-D)
♣Hi-Bar/Physics-Astronomy Building (11-E)
♣Hi-Top/Den Student Union Building, The HUE (9-E)
♣ Market Place/ McMahan Hall (6-L)
♣ Overpass Espresso/ Health Sciences I-Wing (15-G)
♣ Parnassus/ School of Art Building
♣ Portage Bay Cafe/South Campus Center (14-F)
♣ Rotunda/ Health Sciences H-Wing (15-C)
♣ Terry Cafe/Terry Landor Hall (9-F)

*Off-campus facilities

>() Map coordinates

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UW Seattle campus map  Please see page 173 for guide to classroom locations
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University of Washington summer-only 1998 application form*

After June 1, applications must be submitted in person. Mail/deliver completed form and $35 fee to:

- If you have never attended UW credit classes: University of Washington, Office of Undergraduate Admissions, 320 Schmitz Hall, Box 355840, Seattle, WA 98195-5840.
- If you have previously attended UW credit classes and have been assigned a student I.D. number: University of Washington, Registration, 225 Schmitz Hall, Box 355850, Seattle, WA 98195-5850.

A $35 nonrefundable application fee must accompany the application. Make check or money order payable to the University of Washington in U.S. funds. Applications will be processed as soon as possible. However, due to the volume of applications received, processing time may take four to six weeks.

To request disability accommodation in the application process, contact the Office of Admissions at (206) 543-9686 (voice) or 1-800-833-6388 (Washington State Relay Service TDD).

Do you teach in K-12? □ Yes □ No Which campus do you plan to attend: □ Bothell □ Seattle □ Tacoma  

1. Social Security number

2. Sex: □ Male □ Female

3. Legal name (last) (first) (middle)

4. Former name(s)

5. Mailing address (street and number) City State ZIP code

6. Permanent address (if different from above) City State ZIP code

7. Home telephone (area code and number) Business telephone (or alternate telephone)  

8. Date of birth (month/day/year) Place of birth

9. Are you a veteran? □ Yes □ No

10. Are you a Washington resident? □ Yes □ No If not, what is your home state?

11. If UW or state classified employee, will you be attending on the tuition exemption program? □ Yes □ No

If yes, please list place of employment (UW or state)

12. Have you ever enrolled for a credit course at UW? □ Yes □ No

If yes, (Student number) (Last quarter and year enrolled) (Major)

13. Have you earned a bachelor's degree at another college? □ Yes □ No

If yes, (Name of degree) (College issuing degree) (Date)

14. Last school attended:

15. Will you still be enrolled in high school in 1998-99? □ Yes □ No

If yes, the following materials must be included with this application:
A. A statement from your high school principal or counselor giving permission for you to attend Summer Quarter.
B. A copy of your high school transcript (Note: a 3.30 GPA is required.)

16. (Optional) What race do you consider yourself to be? □ White/Caucasian (including Middle Eastern) □ Black/African American □ American Indian/Alaska Native (Specify tribal/corporate affiliation below and submit documentation) □ Other (Specify)

Asian or Pacific Islander (API) □ Asian □ Chinese □ Filipino □ Guamanian □ Hawaiian □ Japanese □ Korean □ Samoan □ Vietnamese □ Other API (Specify)

17. In signing this form, I certify that the above information is complete and accurate. Failure to disclose complete and accurate information may result in denial of admission or dismissal from the University.

Full legal signature Date

*If you have never attended the University or are not eligible to return to the University in the admission status you were in when last registered here, you will be admitted as a nonmatriculated student for Summer Quarter only. You will not be eligible to continue as a nonmatriculated student in Autumn, Winter or Spring Quarters.

(SOA 3/98)
Make progress
toward your degree
this summer

- More than 100 of the most highly demanded courses are offered in the summer.
- Classes are smaller, so you’ll have a better chance of getting into the class you need and getting to know your professors and classmates.
- You can still keep your summer job by taking shorter four and a half week summer courses.
- Out-of-state residents pay in-state fees for most courses.
- UW Distance Learning courses let you earn credits from home.