Continue your studies at the UW this summer

Summer is a special time to learn at the UW. Class size is typically smaller during Summer Quarter, and with fewer students registering you’re more likely to get the courses you need. Faculty members are often able to provide more personal instruction during the summer due to smaller class size. Summer enrollment is especially appropriate for seniors who lack just a few credits for graduation. Juniors who plan to graduate in June 1995 and incoming freshmen who want to get a head start on their studies also benefit from the summer program.

Short terms are available
Short, four and one-half-week a and b terms are available during Summer Quarter. And some classes that are open only to majors in other quarters may be taken by nonmajors in the summer.

Over 1,500 courses
The UW offers more than 1,500 courses in over 100 fields of study in the summer, including many classes and workshops that are scheduled only once a year. Many courses fulfill UW general education requirements. There are also special summer institutes in music plus a broad range of courses in the schools of education, law and library science.

Earn up to a year’s language credit in nine weeks
You can earn up to a year’s language credit in nine weeks by completing an intensive summer language course. Courses are offered in more than a dozen languages including Arabic, Chinese, Czech, Greek, Hindi, Japanese, Swahili, Swedish, Russian and Uzbek. There are courses in many European languages as well.

In-state fees for most courses
Tuition for nonresidents is less in the summer than during other quarters, except for courses offered by the medical and dental schools. Both nonresidents and Washington state residents pay the same fees for most summer courses. Summer Quarter tuition for 1995 had not been determined at press time. Summer 1994 tuition for full-time undergraduate students (taking 10 or more credits) was $569. Tuition was $1,049 for full-time graduate students (taking seven or more credits). Summer tuition for full-time medical and dental students (taking 13 or more credits) was $2,466 for residents and $6,311 for nonresidents. Fees are subject to change.

Register by STAR
Continuing UW students enrolled for Spring Quarter 1995 do not need to apply for Summer Quarter. Use the Summer Quarter Bulletin and Time Schedule available in mid-April and register by STAR the same way as for any other quarter. STAR registration begins in early May.

This Preliminary Announcement contains a Summer Quarter admission application for use by individuals other than continuing UW students. After you have finished reviewing the information in this announcement, please pass it on to someone who may be interested in attending Summer Quarter at the UW.

Summer Quarter 1995 sessions

<table>
<thead>
<tr>
<th>Session</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>June 19-August 18</td>
<td>Full Term</td>
</tr>
<tr>
<td>June 19-July 19</td>
<td>a Term</td>
</tr>
<tr>
<td>July 20-August 18</td>
<td>b Term</td>
</tr>
</tbody>
</table>

The Summer Quarter courses and fees listed in this Preliminary Announcement are tentative and subject to change. See the General Catalog for course descriptions. Course meeting days and times will be in the Summer Quarter Bulletin and Time Schedule, available in mid-April 1995.
Summer Quarter Quick Reference

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- Quick Reference Guide to Quarter Deadlines ............ 18

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.

   - If you have never attended UW credit classes, mail to: Office of Undergraduate Admissions, PC-30 320 Schmitz Hall University of Washington Seattle, WA 98195

   - If you have previously attended UW credit classes and have been assigned a student I.D. number, mail to: Registration, PD-10 225 Schmitz Hall University of Washington Seattle, WA 98195

3. You may register by touch-tone telephone as soon as you receive notification of acceptance but not before May 3, 1995. The Summer Quarter Bulletin and Time Schedule will include STAR registration instructions. See Admissions, page 15, or call Summer Quarter Academic Advising, (206) 543-6160, for additional information.

*Note to continuing UW students
Continuing UW students enrolled for Spring Quarter 1995 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 1995

- May 1  STAR registration by phone begins for graduating seniors or postbaccalaureate students with degree applications on file*
- May 3  STAR registration by phone begins for all other students
- May 31  Last day applications accepted by mail; later applications accepted in-person only
- June 19  Full Term and a Term classes begin; students billed for Summer Quarter tuition
- July 4  Independence Day holiday
- July 7  Tuition payment deadline
- July 19  a Term ends
- July 20  b Term begins
- Aug. 18  Full term and b Term end

*See registration section on page 15 for additional information.

Other important dates
For other application deadlines and important dates, please refer to the Quick Reference Guide to Quarter Deadlines, pages 18-19.

How to read course listings

The Summer Quarter 1995 courses listed in this preliminary announcement are tentative and subject to change.

Course descriptions, meeting days and times will be included in the Summer Quarter Bulletin and Time Schedule. § denotes a Term, June 19-July 19; ▲ denotes b Term, July 20-Aug. 18. Courses without a symbol meet for the full Summer Quarter, June 19-Aug. 18. Some short, intensive workshops do not meet for the entire term length. In case you need additional course information, departmental phone numbers have been included below department section heads.

<table>
<thead>
<tr>
<th>Course number</th>
<th>Term</th>
<th>Course title</th>
<th>Number of credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>336</td>
<td>♦</td>
<td>Jazz Arranging</td>
<td>(2)</td>
</tr>
</tbody>
</table>

Courses offered through the Evening Degree Program and at the University of Washington Bothell and Tacoma campuses are listed on page 14.
### College of Architecture and Urban Planning

#### ARCHITECTURE (543-4180)
- 151 Appreciation of Architecture II (3)
- 403 Architectural Problems (6)
- 412 Architectural Illustration and Presentation (3)
- 415 Architectural Sketching (3)
- 420 Structural Design I (4)
- 452* Characteristics of Puget Sound Architecture and Towns (3)
- 460 Design Theory and Analysis (3)
- 478 Special Projects (3-6, max. 12)
  - C. CAD and AutoCAD, MAC and PC (4)
- 498* Special Projects (3-6, max. 12)
  - A. Design Drawing I (4)
  - B. Design Drawing II (4)
  - C. Career Discovery: Introduction to Architectural Design (6)
  - F. Introduction to Architectural Photography (5)
- 506 Advanced Architectural Studies (6)
- 558 Virtual Environments (3)
- 596 Fieldwork in Professional Practice (*, max. 9)
- Undergraduate Research, Independent Study or Research, Master’s Thesis

#### BUILDING CONSTRUCTION (543-6377)
- 310* Construction Documents I (3)
- 312* Introduction to the Construction Industry (3)
- 315* Construction Materials (3)
- 496* Construction Practice (3)

#### LANDSCAPE ARCHITECTURE (543-9240)
- 300 Introductory Landscape Architecture Design Studio (6)
- 406 Individual Design Studio (6)
- 450 History of Environmental Design of the Pacific Northwest (3)
- 476 Professional Practicum (3-6, max. 6)
- 498 Special Projects (1-10, max. 30)
  - U. History of Urban Design (3)
- 498* Special Projects (1-10, max. 30)
  - A. Multi-Media Studio (6)
  - B. Restoration Design (6)
  - C. Women and Landscape (3)
  - D. Design and Graphics Workshop—San Juan Islands (3)
- 598* Special Topics (1-6, max. 9)
  - A. Restoration Design (6)
- Undergraduate Studies, Graduate Independent Study, Graduate Internship, Master’s Thesis

### URBAN DESIGN AND PLANNING (543-4190)
- 422 Geographic Systems in Planning Analysis (4)
- 451* Housing (3)
- 498 Special Topics (1-9, max. 15)
  - B. Site Planning for Subdivisions and Planned Urban Developments (3)
  - E. Macintosh Workshop on Digital Graphic Media (3)
  - F. Research and Professional Documents Computer Workshop (3)
- 498* Special Topics (1-9, max. 15)
  - A. Beyond Zoning: Land Use/Environmental Nexus (3)
  - C. Neighborhood Planning and Community Sustain-Ability (3)
- 498* Special Topics (1-9, max. 15)
  - D. Land Use and Water (3)
  - G. Desktop Publishing on the Macintosh (3)
- Special Projects, Professional Projects, Independent Study or Research, Master’s Thesis, Doctoral Dissertation

### College of Arts and Sciences

#### AMERICAN ETHNIC STUDIES (543-5401)
- 150 Introduction to History of American Ethnic Groups (5)

#### Afro-American Studies
- 201 Introduction to Black Studies (5)
- 260 Black Male/Female and Family Relationships (5)
- 309 Intensive Basic Swahili (15)
- Undergraduate Independent Study and Research

#### Asian American Studies
- 205 Asian American Cultures (5)
- 206 Contemporary Problems of Asian Americans (5)
- Undergraduate Independent Study and Research

#### Chicano Studies
- 201 Introduction to Chicano Studies (5)
- 256 Chicanas: Gender and Race Issues (5)
- Undergraduate Independent Study and Research

#### AMERICAN INDIAN STUDIES (543-9082)
- 110 American Indian Song and Dance Traditions (3)
- 317* North American Indians: Southwest (5)
- 475 Special Topics in Indian Studies (1-5, max. 15)
  - A. Northwest States Indian Myths and Tales (5)

#### ANTHROPOLOGY (543-5240)
- 100 Introduction to Anthropology (5)
- Master’s Thesis, Doctoral Dissertation

### Sociocultural Anthropology
- 202 Principles of Sociocultural Anthropology (5)
- 203 Introduction to Anthropological Linguistics (5)
- 301 Human Nature and Culture (5)
- 321 Introduction to the Anthropological Study of Religion (3)
- 353* Anthropological Studies of Women (5)
- 405* Peoples of the Soviet Union (5)
- 426* Peasant Culture and Society
- 429 Expressive Culture (5)
- 431 Oral Traditions
- 451* 452* Phonology I (4, 4)
- 461* Syntax I (4)
- 475* Perspectives in Medical Anthropology (5)
- 489 Anthropology Practicum (3-9, max. 15)
- Undergraduate Research, Independent Study or Research

#### Archaeology
- 105 World Prehistory (5)
- 205 Principles of Archaeology (5)
- 270 Field Course in Archaeology (12):
  - Central Mississippi valley of southeast Missouri
- 304 New World Archaeology (3)
- 571 Field Course in Archaeology (5):
  - Central Mississippi valley of southeast Missouri
- 591 Advanced Field Course in Archaeology (6-9)
- Undergraduate Research, Independent Study or Research

#### Physical Anthropology
- 201 Principles of Physical Anthropology (5)
- 370 Introduction to Primates (5)
- Undergraduate Research, Independent Study or Research, Internship

#### APPLIED MATHEMATICS (543-5493)
- Independent Study or Research, Doctoral Dissertation

#### ART (543-0646)
- 121, 122 Drawing I, II (5, 5)
- 123, 124 Design I, II (5, 5)
- 132 Figure Drawing (5)
- 201 Ceramic Art: Handbuilding (5)
- 202 Ceramic Art: Wheel Throwing (5)
- 230 Introductory Photography (5)
- 245 Introduction to Printmaking (5)
- 246 Images on Paper (5)
- 253 Design and Materials: Metal (3)
- 258, 257 Painting (5, 5)
- 258 Jewelry Design (5)
- 265 Intermediate Drawing (5, max. 15)
- 272 Beginning Sculpture Composition (5)
- 337 Intermediate Painting (5, max. 10)
- 332 Intermediate Sculpture Composition (5, max. 15)
- 390 Printmaking Special Projects (5, max. 15)
- 353 Intermediate Ceramic Art (5, max. 15)
- 372* Intermediate Photography III (5)
- 414 Introduction to Digital Imaging (5)
Courses listed in this Preliminary Announcement are tentative and subject to change.

ART HISTORY (543-0646)

202 Survey of Western Art—Medieval and Renaissance (5)
203 Survey of Western Art—Modern (5)
205 Survey of Tribal Art (5)
311 Chinese Art (5)
337 African Art and Sculpture (3 or 5, max. 15)
486 Abstract Expressionism: History and Myth (3)

ART HISTORY (543-0646)

ART HISTORY (543-0646)

ASIAN LANGUAGES AND LITERATURE (543-4996)

Asian Languages and Literature
Independent Study or Research, Master's Thesis, Doctoral Dissertation

Chinese
134 First-Year Intensive Chinese (15)
234 Second-Year Intensive Chinese (15)

Indian
411 First-Year Intensive Bengali (15)

Japanese
134 First-Year Intensive Japanese (15)
234 Second-Year Intensive Japanese (15)
311, 312, 313 Third-Year Japanese (5, 5, 5)

Korean
301, 302, 303 Introduction to Korean (5,5,5)

ASTRONOMY (543-2888)

101 Astronomy (5)
150 The Planets (5)
581 Techniques in Optical Astronomy (5)

ATMOSPHERIC SCIENCES (543-4250)

101 Weather (5)

BIOLOGY (543-9120)

100 Introductory Biology (5)
201 Introductory Biology (5)
203 Introductory Biology (5)

BOTANY (543-1942)

113 Plant Identification and Classification (5)
331 Landscape Plant Recognition (3)
458 Alpine Plant Ecology (5)

CHEMISTRY (543-4791)

120 Introduction to General Chemistry (5)
140 General Chemistry (4)
141 General Chemistry Laboratory (1)
150 General Chemistry (4)
151 General Chemistry Laboratory (1)
160 General Chemistry (4)
161 General Chemistry Laboratory (2)
199 Special Problems (1, max. 6)
220 Introduction to Organic and Biochemistry
223 Organic Chemistry—Short Program (4,4)
237, 238, 239 Organic Chemistry (4,4,3)
241, 242 Organic Chemistry Laboratory (3,3)
299W Special Problems and Report Writing (1, max. 6)
321 Quantitative Analysis (5)

CLASSICS (543-2266)

Classics Courses in English
101 Latin and Greek in Current Use (2)
205 Bio-(5,5,5)
324 The Epic Tradition (5)
430 Greek and Roman Mythology (3)

Greek
101 Elementary Greek (5,5)
461 Early Greek Literature (5, max. 15)
462 Medieval Latin Poetry (5)

LATIN
101 Elementary Latin (5,5)

COMMUNICATIONS (543-8860)

201 History and Development of Communication and Journalism (5)
203 Mass Communication and Society (5)
320 Legal Aspects of Communications (5)
328 News Lab (5)
330 Principles of Public Relations (5)
339 Problems in Public Relations (5)
341 Beginning Advertising Copy and Layout (5)
345 Advertising Campaigns (5)
349 Advertising Internship (2-5, max. 6)
354 Basic Visual Communication (3)
358 TV News Reporting and Editing (5)
367 Broadcast Internship (2-5, max. 6)
405 Mass Communications Research (5)
419 Government Mass Communications (5)
423 Journalism Ethics (5)
424 Intellectual Foundations of American Journalism (5)
475 Communications and International Relations

486 Telecommunications Policy and Research (5)
498 Problems of Communications

Courses listed in this Preliminary Announcement are tentative and subject to change.
### Comparative History of Ideas (543-7333)
- Senior Thesis, Independent Study or Research

### Comparative Literature (543-7542)
- 230: Introduction to Folklore Studies (5)
- 240: Writing in Comparative Literature (5)
- 330: The European Fairy Tale (5)
- 357: Literature and Film (5)
- 421: Literature and Other Disciplines: Shakespeare and Opera (5)
- 422: Studies in Genre: The Novel (5)
- 424: The Epic Tradition (5)
- 496: Special Studies in Comparative Literature (3-5, max. 15)
  - A. Law and Literature (3)

### Dance (543-9843)
- 101: Introduction to Dance I (5, max. 10)
- 110: Jazz Technique I (2, max. 4)
- 201: Ballet Technique II (*, max. 8)
- 204: Modern Technique II (*, max. 8)
- 490: Special Studies in Dance (1-3, max. 10)
  - A. Caribbean
  - Independent Study or Research

### Drama (543-5140)
- 101: Introduction to the Theatre (5)
- 201: Dramatic Action (5)
- 302W: Play Analysis (5)
- 454: Projects in Acting (3)
- 475: Modern English Theatre and Drama (5)
- 490: Special Studies in Acting—Directing (1-6)
  - A. Beginning Tap Dance (2)
- 491: Special Studies in Design—Technical (1-6)
  - A. Intensive Stage Lighting Design Workshop (5)
- 494: Special Studies in Theatre and Drama (5, max. 20)
  - A. The Internet and Mosaic: Tools for Learning (5)
- 495: Practicum in Design and Technical Theatre (2-6, max. 15)
  - A. Aspects of Stage Costume Production (3)
  - Undergraduate Research, Independent Study or Research, Internship, Doctoral Dissertation

### Economics (543-5955)
- 200: Introduction to Microeconomics (5)
- 201: Introduction to Macroeconomics (5)
- 300: Intermediate Microeconomics (5)
- 301: Intermediate Microeconomics (5)
- 311: Introduction to Economic Statistics (5)
- 404: Industrial Organization and Price Analysis (5)
- 406W: Undergraduate Seminar in Economics (5)
- 408A: Investment, Capital and Finance (5)
- 435: Natural Resources Economics (5)
- 450: Public Finance: Expenditure Policy (5)
- 460W: Economic History of Europe (5)
- 471: International Trade (5)
- Undergraduate Research, Independent Study or Research, Internship, Doctoral Dissertation

### English (543-2634)
- 104: Introductory Composition (5-5)
- 111: Composition: Literature (5)
- 121: Composition: Social Issues (5)
- 131: Composition: Exposition (5)
- 197W: Interdisciplinary Writing/ Humanities (5, max. 15)
  - A. Linked to ENGL 475
- 198W: Interdisciplinary Writing/Social Science (5, max. 15)
  - A. Linked to PSYCH 305
  - B. Linked to PSYCH 306
- 200W: Reading Literature (5)
- 211: Medieval and Renaissance Literature (5)
- 212: Literature of the Enlightenment and Revolution (5)
- 213: Modern and Postmodern Literature (5)
- 225: Shakespeare (5)
- 228: English Literary Culture: To 1600 (5)
- 229: English Literary Culture: 1600-1800 (5)
- 230: English Literary Culture: After 1800 (5)
- 242W: Reading Fiction (5)
- 250W: Introduction to American Literature (5)
- 281: Intermediate Expository Writing (5)
- 283: Beginning Verse Writing (5)
- 284: Beginning Short Story Writing (5)
- 311: Modern Jewish Literature in Translation (5)
- 321: Chaucer (5)
- 323: Shakespeare to 1603 (5)
- 326: Milton (5)
- 333: English Novel: Early and Middle Nineteenth Century (5)
- 334: English Novel: Later Nineteenth Century (5)
- 337: The Modern Novel (5)
- 340: Modern Anglo-Irish Literature (5)
- 345: Studies in Film (5)
- 352: American Literature: The Early Nation (5)
- 355: American Literature: Contemporary America (5)
- 358: Literature of Black Americans (5)
- 363: Literature and the Other Arts and Disciplines (5, max. 10)
  - A. Shakespeare and Opera (5)
- 370: English Language Study (5)
- 381: Advanced Expository Writing (5)
- 383: Intermediate Verse Writing (5, max. 10)
- 384: Intermediate Short Story Writing (5)
- 471: The Composition Process (5)
- 475: Colloquium in English for Teachers (5, max. 10)
  - A. Seattle Tutoring Center Writing Link (5)
- 483: Advanced Verse Writing (5, max. 15)
- 485: Novel Writing (5, max. 15)
- 498W: Senior Seminar (5)

### Geophysics (543-8020)
- 480: Special Topics in Geophysics (2-6, max. 12)
  - A. Earth Sciences for Teachers (4)
  - Independent Study or Research
**GERMANY (543-4580)**

100 Intensive First-Year German (15)
101, 103 First-Year German (5,5)
121, 122+ First-Year Reading German (5,5)
200 Intensive Second-Year German (15)
390+ Germanic Studies in English
   - Intentional Fallacy: The Construction of Gender in Literary Texts of the Modern German Tradition (5)

497+ Studies in German Literature
   - A. Thomas Mann and Mythology (5)
   - A. Survey of the Germanic Languages (5)

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

**HISTORY (543-5790)**

**General History**

112 The Medieval World (5)
113 The Modern World (5)
193 World History, 1750-present (5)
345 War and Society (5)
448+ Issues in Comparative Labor History (5)
498W Colloquium in History (3-5, max. 15)
   - A. Selected Topics in History (1-6, max. 15)
   - B. The French Revolution and Napoleon (5)
   - C. Patriot Games (1-6, max. 15)

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

**History of the Americas**

201 Survey of the History of the United States (5)
303 Modern American Civilization from 1870 (5)
411 The United States During the Era of Civil War and Reconstruction (5)
432 History of Washington and the Pacific Northwest (5)
445 Economic History of the United States (5)
488 History of the Caribbean and Central America (5)

**Ancient and Medieval History (Including Byzantine)**

340 Medieval Women (5)
402 Classical Greece (5)

**History of Asia**

202+ Modern Indian Civilization (5)
221+ History of Southeast Asia (5)

**Modern European History**

304 Cultural History of Renaissance Europe (5)
422+ The French Revolution and Napoleon: 1789-1815 (5)
452+ Eastern Europe Since 1918 (5)
454+ Baltic History (5)
476+ Modern Irish History (5)

**THE HENRY M. JACKSON SCHOOL OF INTERNATIONAL STUDIES (543-4370)**

**African Studies**

Undergraduate Research

**Canadian Studies**

Undergraduate Research

**Chinese Regional Studies**

Undergraduate Research, Independent Study or Research, Master's Thesis

**Comparative Religion**

220 Introduction to the New Testament (5)
240+ Introduction to the Bible (Old Testament) (5)
324 The Emergence of Christianity (5)

Undergraduate Research, Independent Study or Research

**International Studies**

201+ Introduction to International Political Economy (5)
330+ Political Economy of Development (5)
426+ World Politics (5)
444+ Peasants in Politics (5)
450+ Political Economy of Women and Family in the Third World (5)
498 Readings in International Studies (5)

Undergraduate Research, Independent Study or Research

**Japanese Regional Studies**

Undergraduate Research, Independent Study or Research, Master's Thesis

**Jewish Studies**

Undergraduate Research

**Korean Regional Studies**

Undergraduate Research, Independent Study or Research, Master's Thesis

**Latin American Studies**

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

Undergraduate Research

**Middle Eastern Studies**

Independent Study or Research, Master's Thesis

**Russian, East European and Central Asian Studies**

405+ Peoples of Russia (5)
445+ Politics and Society: Eastern Europe (5)

Undergraduate Research, Independent Study or Research, Master's Thesis

**South Asian Studies**

Undergraduate Research, Independent Study or Research, Master's Thesis

**Southeast Asian Studies**

Undergraduate Research

**LINGUISTICS (543-2046)**

200+ Introduction to Linguistic Thought (5)
203 Introduction to Anthropological Linguistics (5)
400+ Survey of Linguistic Method and Theory (4)
449 Second-Language Learning (3)
451+ 452+ Phonology I, II (4, 4)
461 Syntax I (4)

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

**MATHEMATICS (543-5830)**

111 Applications with Algebra (5)
112 Application of Calculus to Business and Economics (5)
120 Precalculus (5)
124, 125, 126 Calculus with Analytic Geometry I, II, III (5, 5, 5)
170, 171 Mathematics for Elementary School Teachers (3, 3)
205 Elementary Linear Algebra (3)
301 Elementary Number Theory (3)
307 Differential Equations (3)
308 Linear Algebra (3)
309 Linear Analysis (3)
324, 325 Advanced Calculus I, II (3, 3)
390 Probability and Statistics in Engineering and Science (4)
394+ 395+ Probability I, II (3, 3)
402+ 403+ Introduction to Modern Algebra (3, 3)
407 Linear Optimization (3)
411+ 412+ Introduction to Modern Algebra for Teachers (3, 3)
420 History of Mathematics (3)
427, 428+ 429+ Topics in Applied Analysis (3, 3, 3)
444, 445 Geometry for Teachers (3, 3)
487 Advanced Mathematics Computer Lab (2)
498 Special Topics in Mathematics (2, 5, max. 15)
510 Seminar in Algebra (2)
530 Seminar in Analysis (2)
550 Seminar in Geometry (2)
570 Seminar in Topology (2)
590 Seminar in Probability (2)

Independence Study or Research, Master's Thesis, Doctoral Dissertation

**MICROBIOLOGY (543-5824)**

301 General Microbiology (3)
302 General Microbiology Laboratory (2)
320 Media Preparation (2)
500 Introduction to Research (1-6, max. 20)
555 Advanced Clinical Microbiology (2, 5)
556 Clinical Microbiology Training and Research (1-6, max. 12)

Honors Undergraduate Research, Undergraduate Library Research, Undergraduate Laboratory Research, Independent Study or Research, Master's Thesis, Doctoral Dissertation

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*a term: June 19-July 19  †b term: July 18-Aug. 18  No symbol: full term June 19-Aug. 18  *variable credits
W fulfills UW College of Arts and Sciences writing requirement.
Courses listed in this Preliminary Announcement are tentative and subject to change.
MUSIC (543-1239)

Courses Primarily for Nonmajors

**Music**
- 116 A. Elementary Music Theory I (2)
- 120 A. Survey of Music (5)
- 162 American Popular Song (5)
- 317 A. Music Cultures of the World (5)
- 331 A. History of Jazz (3)

Courses Primarily for Music Educators and Music Majors

**Applied Music**
- 220 A. MIDI Techniques (2)
- 221 A. Secondary MIDI Techniques (2)

**Music Education**
- 401 A. Tin Pan Alley: Concepts and Teaching Strategies for Music Educators (1)
- 402 A. Rock and Roll Roots for Music Educators (1)
- 405 A. Marching Band Techniques (2)
- 410 A. Instrumental Rehearsal Techniques (3)
- 431 A. Curriculum in Music Education (3)
- 475 A. Teaching the Music of Selected Cultures (1, max. 6)
  - A. Southeast Asia (1)
  - B. Native Americans I (1)
  - C. Native Americans II (1)
- 496 A. Special Topics in Music Education (1-3, max. 10)
  - A. Teaching Music Through Folk Dance (1)
  - B. Music for Classroom Teachers (3)
  - C. Middle School Choral Pedagogy (1)
  - D. Jazz Literature and Rehearsal Techniques (2)
  - E. PCs for Marching Band: Arranging and Drill Writing (1)
  - F. Workshop in Junior High Band Repertoire (1)
- 496A A. Special Topics in Music Education (1-3, max. 10)
  - G. General Music in the Middle School
  - J. General Music in the High School
  - K. Mentoring Student Teachers (1)
- 501 A. Introduction to Research in Music Education (3)
- 522 A. Tests and Measurements in Music (3)
- 524 A. Seminar in Music Education
  - A. Music for Children: Research and Pedagogy (3)
- 525 A. Seminar in Music Education
  - A. General Music for Middle School (3)
  - B. Creative Experiences in Secondary General Music (3)
- 550 A. Proseminar in Music Education (3)
- 560 A. Contemporary Issues in Music Education (2)

**Music**
- 344 A. Psychology of Music (3)
- 379 A. Junior Recital (1)
- 389, 589 A. World Music Laboratory (2-3, max. 18)
  - A. Tibetan Buddhist Music
  - B. Yoruba Juju Music
- 479 A. Senior Recital (1)
- 559 A. Master's Recital (3)
- 580 A. Advanced Conducting: Instrumental (3)
- 583 A. Advanced Conducting: Choral (3)
- 590 A. Doctoral Recital (*)
- 599 A. Advanced Selected Topics (*)
  - A. Wagner as Theater: Wagner as Revolutionary (2)
  - 599A A. Advanced Selected Topics (*)
    - B. Implementing the National Standards in Arts Education (3)
    - C. Tale of Two Cities: Madame and Tehran (3)
    - D. Wagner as Theater: The Artwork of the Future (2)

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

**Ensemble Courses and Applied Music**

This summer private instruction in French horn, clarinet, trumpet, violin/viola, cello, piano, guitar, percussion, harp and voice are offered. Admission to these courses is by audition before the appropriate faculty. An additional fee of $60 is charged for private instruction. The following ensemble courses are offered for those possessing at least an intermediate level of musicianship. Contact the School of Music Advising Office or instructor for guidance.

**Music Ensemble**
- 300, 500 A. University Orchestra (1)
- 302 A. Symphonic Band (1)
- 350 A. University Chorale (1)

**NEAR EASTERN LANGUAGES AND CIVILIZATION (543-6033)**

Courses designated by (*) require 20 contact hours—students must also register for five credits of NE490.

**Arabic**
- 470 A. Intensive Elementary Arabic (15)

**Hebrew**
- 470 A. Intensive Elementary Modern Hebrew (15)

**Kazakh (Turkic)**
- 477 A. Intensive Elementary Kazakh (15)*
- 427 A. Intensive Intermediate Kazakh (15)*

**Kirghiz (Turkic)**
- 479 A. Intensive Elementary Kirghiz (15)*

**Tajik (Persian)**
- 470 A. Intensive Elementary Tajik (15)*

**Uzbek (Turkic)**
- 478 A. Intensive Elementary Uzbek (15)*
- 426 A. Intensive Intermediate Uzbek (15)*

**Near Eastern Courses in English**
- 240 A. Introduction to the Bible (Old Testament) (5)
  Supervised Study, Independent Study or Research

**PHILOSOPHY (543-5855)**

- 100 A. Introduction to Philosophy (5)
- 115 A. Practical Reasoning (5)
- 120, 120 A. Introduction to Logic (5)
- 206 A. Philosophy of Feminism (5)
- 240 A. Introduction to Ethics (5)
- 267 A. Philosophy of Religion (5)
- 320 A. Ancient Philosophy (5)
- 322 A. Modern Philosophy (5)
- 347 A. Philosophy in Literature (5)
- 445 A. Philosophy of Art (5)
- 450 A. Epistemology (5)
- 484 A. Reading in Philosophy (1-5)
- 584 A. Reading in Philosophy (1-4)
  Independent Study or Research, Doctoral Dissertation

**PHYSICS (543-2770)**

- 110 A. Liberal Arts Physics (5)
- 114, 115, 116 A. General Physics (4,4,4)
- 117, 118, 119 A. General Physics Laboratory (1,1,1)
- 121 A. Mechanics (4)
- 122 A. Electromagnetism and Oscillatory Motion (4)
- 123 A. Waves (4)
- 131, 132, 133 A. Experimental Physics (1,1,1)
- 224 A. Thermal Physics (3)
- 225 A. Modern Physics (3)
- 334 A. Electric Circuits Laboratory (3,3)
- 401 A. Special Problems (*)
- 405 A. Physical Science for Teachers (2-5, max. 6)
- 407 A. Physics for Teachers (5)
  Independent Study or Research, Doctoral Dissertation

**POLITICAL SCIENCE (543-1824, 543-2780)**

- 101 A. Introduction to Politics (5)
- 202 A. Introduction to American Politics (5)
- 203 A. Introduction to International Relations (5)
- 204 A. Introduction to Comparative Politics (5)
- 212 A. Philosophy of Feminism (5)
- 270 A. Introduction to Political Economy (5)
- 303 A. Public Policy Formation in the United States (5)
- 305 A. The Politics of Mass Communication (5)
- 321 A. American Foreign Policy (5)
- 324 A. Europe in World Politics (5)
- 325 A. The Arab-Israeli Conflict (5)
- 326 A. Scandinavia in World Affairs (5)
- 346 A. Governments of Western Europe (5)
- 354 A. Elections and Voting in the United States (5)
- 356 A. Society and Politics (5)
- 360 A. Introduction to United States Constitutional Law (5)
- 361 A. United States Courts and Civil Liberty (5)
Courses listed in this Preliminary Announcement are tentative and subject to change.

PSYCHOLOGY (543-2640)
101 Psychology as a Social Science (5)
102 Psychology as a Natural Science (5)
200 Comparative Animal Behavior (5)
201 Human Performance Enhancement (3)
205 Introduction to Personality and Individual Differences (4)
209 Fundamentals of Psychological Research (4)
210 Introduction to Human Sexuality (4)
213 Elementary Psychological Statistics (6)
222 Survey of Physiological Psychology (3)
231W Laboratory in Human Performance (3)
232W Laboratory in Animal Learning (3)
233W Laboratory in Animal Behavior (5)
240 Behavior Modification (4)
257 Psychology of Sex Differences (5)
305 Abnormal Psychology (5)
306 Developmental Psychology (5)
322 Introduction to Drugs and Behavior (3)
345 Social Psychology (5)
347 Psychology of Language I (5)
355 Survey of Cognitive Psychology (5)
357 Psychobiology of Women (5)
403 Motivation (5)
410 Child and Adolescent Behavior Disorders (5)
417W Human Behavior as a Natural Science (5)
419W Behavioral Studies of Zoo Animals (4, max. 8)
421 Neural Basis of Behavior (5)
448 Seminar in Psychology (1-15)
A. Human Eating and Its Disorders (3)
449 Organizational and Industrial Psychology (3)
456 Psychology of Judgement and Decision Making (5)
450 Stress Management (3)
498 Directed Reading in Psychology (1-3, max. 18)
515 Modelling Experimental and Observational Data (4)
560 Seminar (*)
A. Family Therapy Practicum (5)
B. Statistical Computation and Graphics (3)
586 Clinical Personality Assessment (3)
593 Clinic Practicum (1-6, max. 24)
597 Field Work in Clinical Psychology (1-5, max. 36)
598 Directed Reading in Psychology (1-3, max. 18)
599 Directed Research in Psychology (1-3, max. 24)
Undergraduate Research, Independent Study or Research, Master's Thesis, Doctoral Dissertation

QUANTITATIVE SCIENCE
See Interschool or Intercollegiate Programs, page 12.

ROMANCE LANGUAGES AND LITERATURE (543-2020)
Romance Literature
Independent Study or Research, Master's Thesis, Doctoral Dissertation

"My Summer Quarter course was great. It was convenient taking a quarter-long class in five weeks. It enabled me to pass my master's program requirement for foreign language proficiency."

Shasta Turner
1994 UW Summer Student

Spanish
101◆ 102◆ 103◆ Elementary (5,5,5)
134 Intensive First-Year Spanish (15)
201◆ 202◆ 203◆ Intermediate (5,5,5)
301◆ Advanced (3)
491◆ Individual Authors and Special Topics in Spanish Literature (5, max. 10)
A. Latin American Cities and Literature Representation (5)
Special Topics, Special Seminar and Conference, Supervised Study, Independent Study or Research

SCANDINAVIAN LANGUAGES AND LITERATURE (543-0645)
Intensive courses in first-year Lithuanian, Latvian and Estonian and a Baltic culture course are being planned for Summer Quarter 1995. For more information, please contact the department.

Scandinavian Courses in English
230◆ Introduction to Folklore (5)
326◆ Scandinavia in World Affairs (5)

Scandinavian
Independent Study or Research, Master's Thesis, Doctoral Dissertation

Swedish
150 Intensive First-Year Swedish (15)

SLAVIC LANGUAGES AND LITERATURE (543-6848)
Independent Study or Research, Doctoral Dissertation

Czech
401, 402, 403 Elementary Czech (5,5,5)

Russian
150 Intensive First-Year Russian (15)
250 Intensive Second-Year Russian (15)
350 Intensive Third-Year Russian (15)
450 Intensive Fourth-Year Russian (15)
Directed Study or Research, Independent Study or Research

Slavic
Directed Study or Research

SOCIETY AND JUSTICE (543-6523)
450◆ Special Topics (1-5, max. 15)
A. Crime and Law Enforcement in Natural Settings (5)
Research in Society and Justice

SOCILOGY (543-5396)
110 Survey of Sociology (5)
240 Introduction to Social Psychology: Perspectives on Individual Behavior (5)
271◆ Introduction to the Sociology of Deviance (5)
328◆ 329◆ Methodology of Sociological Research (5,5)
356◆ Society and Politics (5)
371 Criminology (5)
372◆ Introduction to Criminal Justice (5)
416◆ Sociological Theory (5)
SPEECH AND HEARING SCIENCES (543-7974)

111, 111◆ The American English Sound System (2, max. 4)
350W Clinical Processes II: Treatment (4)
370 Basic Audiology (5)
380 Introduction to Aural Rehabilitation (4)
391 Practicum in Audiology (2)
401 Neural Bases of Speech and Language (4)
449◆ Special Studies in Speech Pathology and Audiology (*)
   A. Counseling and Interaction Skills
   B. Counseling and Interaction Skills, Part II (2)
   C. Children’s Language Disorders: An Overview of Service Delivery (3)
449▲ Special Studies in Speech Pathology and Audiology (*)
   A. Counseling and Interaction Skills
   B. Counseling and Interaction Skills, Part II (1)
   C. Neurologic Disorders Across the Life Span (2)
453 Communication Augmentation for Non-Speaking Individuals (3)
536 Assessment of Language Impairment in Children (5)
551 Advanced Practicum in Speech Pathology Evaluation (1-9, max. 10)
   A. UW Speech and Hearing Clinic (4)
   B. Child Development and Mental Retardation Center (4)
552 Advanced Practicum in Speech Pathology Management (1-9)
   A. Clinical Processes
   B. Child Language
   C. Stuttering
   D. Advanced Adult Speech
   E. Advanced Child Speech
   F. Neurogenic Disorders
   G. Voice
555 Internship (1-9)
575 Medical Backgrounds in Audiology (3)
581 Management of Hearing-Impaired Children (5)
591 Advanced Practicum in Audiology (1-9, max. 10)
   A. UW Speech and Hearing Clinic
   B. Pediatric Assessment
   C. Aural Rehabilitation, Adult
   D. Aural Rehabilitation, Child
   E. Selection of Hearing Aids
   F. Calibration
   G. General Assessment
   H. ABR Assessment
599 Research Practicum (*, max. 12)
   Undergraduate Research, Independent Study or Research, Internship, Master’s Thesis, Doctoral Dissertation

SPEECH COMMUNICATION (543-4860)
102 Speech, the Individual and Society (5)
103◆ 103 Interpersonal Communication (5)
220◆ 220 Introduction to Public Speaking (5, 5)
301◆ Interviewing (5)
334 Essentials of Argument (5)
341◆ Oral Interpretation of Children’s Literature (3)
373 Principles of Group Discussion (5)
474 Communication, Conflict and Cooperation (5)
475 Organizational Communication (5)
498◆ Special Topics in Speech Communication (2-5, max. 15)
   A. Stage to Screen: Performing Plays (5)
   B. Communication and the Family (5)
Undergraduate Research, Masters Dissertation

STATISTICS (543-7237)
220 Basic Statistics (5)
311 Elements of Statistical Methods (5)
390 Probability and Statistics in Engineering and Science (4)
394◆ 395◆ Probability I, II (3, 3)
578 Special Topics in Advanced Biostatistics (*, max. 3)
   A. Spatial Statistics (3)
   B. Drug Evaluation (3)
599 Statistical Consulting (*, max. 12)
   Independent Study or Research, Master’s Thesis, Doctoral Dissertation

WOMEN STUDIES (543-6900)
205 Introduction to Global Perspectives on Women (5)
206 Philosophy of Feminism (5)
257 Psychology of Sex Differences (5)
353 Anthropological Studies of Women (5)
355 Gender and Masculinity (5)
357 Psychobiology of Women (5)
383◆ Social History of American Women (5)
415◆ Gender Equity in Education (3)
456◆ Feminism, Racism and Anti-Racism (5)
490 Special Topics in Women Studies (2-5, max 15)
   Undergraduate Research, Tutoring Women Studies, Fieldwork in Women Studies

ZOOLOGY (543-1620)
118 Survey of Physiology (5)
119 Elementary Physiology Laboratory (1)
451 Vertebrate Zoology (5)
498 Special Problems in Zoology (1-5, max. 15)
   Independent Study or Research, Master’s Thesis, Doctoral Dissertation

School of Business Administration

Graduate Program: 543-4660
Undergraduate Program: 543-4350

ACCOUNTING
210 Introduction to Accounting (3)
220 Fundamentals of Financial Accounting (3)
230 Fundamentals of Managerial Accounting (3)
301, 302, 303 Intermediate Accounting I, II, III (3, 3, 3)
311 Cost Accounting (3)
330 Introduction to Accounting Information Systems (3)
371 Auditing or Industrial Internship (2)
411 Auditing Standards and Principles (3)
421 Tax Effects of Business Decisions (3)
450 Business Taxation (3)
451 Individual Income Taxation (3)
485 Advanced Financial Accounting (3)
530 Tax Issues in Property Ownership (4)
579 Special Topics in Accounting (4, max. 12)
   A. Estate and Gift Taxation (4)
   B. Fundamentals of International Taxation (4)
   C. Employee Tax Problems and Deferred Compensation (4)
   Undergraduate Research, Independent Study or Research

BUSINESS ADMINISTRATION

Doctoral Dissertation

BUSINESS COMMUNICATIONS
301 Basic Written Business Communications (4)

BUSINESS ECONOMICS
300 Managerial Economics (3)
301 Money, National Income, and Prices (4)
420 Financial Markets (4)
427 International Finance (4)
   Undergraduate Research, Independent Study or Research

BUSINESS POLICY
470 Business Policy (4)
471 Small Business Management (4)
   Undergraduate Research, Independent Study or Research

FINANCE
350 Business Finance (4)
453 Financial Theory and Analysis (4)
450 Investments (4)
560 Investments (4)
   Undergraduate Research, Independent Study or Research

HUMAN RESOURCES MANAGEMENT AND ORGANIZATIONAL BEHAVIOR
301 Personnel Systems and Industrial Relations (3)
College of Education

Additional College of Education courses are offered at the UW Bothell and Tacoma Branch Campuses. For details, see page 14.

INDEPENDENT STUDY, RESEARCH AND FIELD EXPERIENCES

Master's Thesis, Doctoral Dissertation

EDUCATIONAL CURRICULUM AND INSTRUCTION (543-1847)

424 Multicultural Curriculum and Instruction (3)

425 Learning Variables of Minority Youth (3)

Many College of Education courses are short workshops that begin later than June 19.

Academic Programs for Teachers

Various content area courses and institutes will be offered this summer through Academic Programs for Teachers. Call 543-3220 to be added to the mailing list.

For information about how to access a K-12 UW Resource Guide for teachers and students on the Internet, call 543-2320.

453 Teaching the Bilingual/Bicultural Student (3)

456 Workshop in Instructional Improvement: Language Arts (1-6, max. 15)

A. Multicultural Literature for K-12 (3)

B. ESL Reading (3)

457 Methods in Teaching ESL (3)

465 Social Studies Education: Elementary School Programs and Practices (3)

466 Social Studies Education: Secondary School Programs and Practices (3)

468 Workshop in Instructional Improvement: Social Studies (1-6, max. 15)

A. Teaching with Biographies: An Integrated Approach (3)

B. Using Museums for Teaching and Learning (3)

468 Workshop in Instructional Improvement: Social Studies (1-6, max. 15)

C. Science and Social Studies in the Community (3)

472 Workshop in Instructional Improvement: Science (1-6, max. 15)

A. Science Technology and the Internet (3)

B. Pacific Science Center: Weather for Teachers (3)

473 Workshop in Instructional Improvement: Science (1-6, max. 15)

C. Pacific Science Center: Science and Children's Literature (3)

D. Science and Social Studies Resources in the Community (3)

494 Workshop in Improvement of Curriculum (1-6, max. 15)

A. Integrating the Curriculum (3)

B. The Internet: Access and Use in Education (3)

495 Workshop in Improvement of Teaching: Selected Topics, Issues or Problems (1-6, max. 15)

A. Teaching in the Inclusive Classroom (6)

495 Workshop in Improvement of Teaching: Selected Topics, Issues or Problems (1-6, max. 15)

B. ESL Materials, Assessment and Instruction (3)

496 Workshop in Instructional Improvement (2-6, max. 6)

A. Introduction to Multimedia for Instructors (3)

B. Workshop in Teaching and Learning in the Graphic and Lively Arts (3)

C. Visual Literacy in the Context of Media (3)

D. Art Methods through Technology (3)

U. Making the Bridge: Elementary School Mathematics Teaching from the Multicultural Perspective (3)

V. Design and Authoring of Multimedia Instructional Programs for the Classroom (3)

496 Workshop in Instructional Improvement (2-6, max. 6)

E. Using Multimedia in Instructional Design (3)

505 Seminar in Curriculum and Instruction (1-3, max. 15)

A. Designing and Using Classroom Literacy Portfolios (3)

B. Improving the Literacy Achievement of Students with Diverse Backgrounds (3)

\*No symbol: full term June 19-Aug. 18

variable credits

W fulfills UW College of Arts and Sciences writing requirement.

Courses listed in this Preliminary Announcement are tentative and subject to change.
C. Adult Authors of Color: Readings for Teachers (3)
D. History of African Americans in Seattle: Content and Methods (3)
U. Themes and Evocations: Literacy in K-12 Classrooms (3)
V. Religion and Spirituality in the Curriculum (3)
530 • Seminar in Analysis of Approaches for Teaching Reading (3)
556 • Elementary School Curriculum (3)
558 • Secondary School Curriculum (3)
559 • Principles and Procedures of Curriculum Development (3)
563 • Current Issues in Language Arts Education (1-3, max. 6)
570 • Seminar in Science Education: Elementary Emphasis (3)
571 • Seminar in Science Education: Secondary Emphasis (3)
Undergraduate Research, Field Study, Independent Studies in Education, Independent Study or Research, Internship

EDUCATIONAL LEADERSHIP AND POLICY STUDIES (543-1891)
505 • Transition to Leadership (3)
519 • Special Topics in Educational Leadership (1-3, max. 9)
A. Stress in the Workplace (3)
519 Special Topics in Educational Leadership (1-3, max. 9)
B. Religious Right and Public Education (3)
C. The Liberal-Conservative Debate (3)
535 • Seminar: Research in History of Education (3, max. 6)
549 • Special Topics in Educational Studies (1-3, max. 9)
579 • Special Topics in Organizational and Policy Analysis (1-3, max. 9)
A. Creating the Learning Community: Rethinking American Education (3)
Independent Study or Research, Internship

EDUCATIONAL PSYCHOLOGY (543-6347)
490 • Basic Educational Statistics (3)
501 • Human Learning and Educational Practice (3)
542 • Career Development (3)
555 • Seminar in Counseling Specialty (1-2, max. 6)
A. The School Counselor, Professional Functions (2)
555 Special Topics in Counseling Specialty (1-2, max. 6)
B. Violence and Gangs (2)
566 • Case Study Seminar (1, max. 4)
A. Continuing Counseling Certification (1)
566 • Case Study Seminar (1, max. 4)
B. Continuing Counseling Certification (1)
571 • Educational Applications of Neuropsychology: Assessment and Intervention (5)

581 • Seminar in Educational Psychology (1-3, max. 15)
A. The Thematic Apperception Text (3)
581 • Seminar in Educational Psychology (1-3, max. 15)
B. History and Systems (3)
581 • Seminar in Educational Psychology (1-3, max. 15)
C. Crisis Intervention (2)
591 Methods of Educational Research (3)
Undergraduate Research, Field Study, Independent Studies in Education, Independent Study or Research, Case Study Seminar, Internship, Practicum

514 • Fundamentals of Reading for Children with Disabilities (3)
520 • Seminar in Applied Special Education (1-12, max. 12)
A. Contexts of Exceptional Instruction (3)
C. Specific Numeracy Techniques for Elementary Students with Mild Disabilities (3)
520 • Seminar in Applied Special Education (1-12, max. 12)
B. Legal, Classification and Organization Issues (3)
D. Literacy (3)
Field Study, Independent Studies in Education, Independent Study or Research, Internship

College of Engineering

AERONAUTICS AND ASTRONAUTICS (543-1950)
499 • Special Projects (2-5, max. 10)
599 • Special Projects (1-5, max. 15)
Independent Study or Research, Master’s Thesis, Doctoral Dissertation

CHEMICAL ENGINEERING (543-2250)
Undergraduate Research, Independent Study or Research, Master’s Thesis, Doctoral Dissertation

CIVIL ENGINEERING (543-2390)
Civil Engineering Core Courses
380 • Elementary Structures II (3)
405 • Construction Planning and Scheduling (3)
451 • Design of Metal Structures (3)
481 • Environmental Engineering Design (3)
499 • Special Projects: Transportation, Construction, and Geometrics (1-5, max. 6)
Master’s Thesis, Doctoral Dissertation

Structural and Geotechnical Engineering, and Mechanics
599 • Special Topics: Structures and Mechanics (2-5, max. 15)
Independent Study or Research

Transportation, Surveying and Construction Engineering
599 • Special Topics: Transportation, Construction and Geometrics (2-5, max. 15)
Independent Study or Research

Environmental Engineering and Science
599 • Special Topics: Water and Air Resources (2-5, max. 15)
Independent Study or Research
## COMPUTER SCIENCE AND ENGINEERING (543-1695)
- 142 Computer Programming for Engineers and Scientists I (4)
- 143 Computer Programming for Engineers and Scientists II (5)
- Reading and Research, Independent Study or Research, Master's Thesis, Doctoral Dissertation

### ELECTRICAL ENGINEERING (543-2142)
- 235 Signal Analysis (4)
- 331, 332 Devices and Circuits I, II (5,5)
- 361 Applied Electromagnetics (5)
- 371 Digital Circuits and Systems (5)
- 399 Special Topics in Electrical Engineering (1-5)
- 433 Analog Circuit Design (5)
- 446 Control System Analysis I (4)
- 499 Special Projects (2-5, max. 10)
- 505 Introduction to Probability and Random Processes (4)
- 599 Selected Topics in Electrical Engineering (*)

### MATERIALS SCIENCE AND ENGINEERING (543-2600)
- 553 Vacuum Science and Technology (3)
- 498 Special Topics in Engineering (1-5, max. 6)
- 499 Special Projects in Engineering (1-3, max. 6)
- 499HA Special Projects/Engineering Honors (1-3, max. 6)

## MECHANICAL ENGINEERING (685-0908)
- 304 Manufacturing Processes (3)
- 333 Introduction to Fluid Mechanics (4)
- 353 Machine Design Analysis (4)
- 395 Introduction to Mechanical Design (4)
- 343 Advanced Mechanical Engineering Laboratory (3)
- 499, 599 Special Projects in Engineering (2-5, max. 9, 1-5, max. 9)
- Independent Study or Research, Master's Thesis, Doctoral Dissertation

### NUCLEAR ENGINEERING (543-2754)
- Master's Thesis, Doctoral Dissertation

### TECHNICAL COMMUNICATION (543-2567)
- 495 Professional Practice (3-5, max. 10)
- 499 Special Projects (2-5, max. 10)
- 599 Special Projects (1-4)
- Independent Study or Research, Internship, Master's Thesis

## College of Forest Resources

### COLLEGE OF FOREST RESOURCES (543-7081)
- 101 Forests and Society (5)
- Graduate Studies, Independent Study or Research, Master's Thesis, Doctoral Dissertation

### ECOSYSTEM SCIENCE AND CONSERVATION (543-7081)
- 350 Wildlife Biology and Conservation (4)
- 412 Field Study of Wildland Soils (3)
- 521 Current Topics in Ecosystem Science (2, max. 6)

### FOREST MANAGEMENT AND ENGINEERING (543-7081)
- Forest Engineering
  - 340 Plane Surveying (4)
  - 404 Forest Engineering Field Seminar (1)
  - Undergraduate Studies, Graduate Studies in Forest Influences, Graduate Studies in Forest Engineering, Graduate Teaching Practicum, Current Topics in Wildland Hydrology
- Forest Resources Management
  - 400 Forestry in Washington (5)
  - 540 Forest Health and Landscape Management (5)

## Interschool or Intercollege Programs

### Interschool or Intercollege Programs

#### PAPER SCIENCE AND ENGINEERING (543-7081)
- 309 Creativity and Innovation (2)
- Undergraduate Studies, Graduate Studies in Forest Products, Internship

#### URBAN HORTICULTURE (543-7081)
- 202 Plants in Cities: An Introduction to Urban Horticulture (3)
- 331 Landscape Plant Recognition (3)
- 470 Urban Forest Landscapes (5)
- 479A Field Studies in Restoration Ecology (5)
- Undergraduate Studies, Senior Project in Urban Forestry, Internship

#### Interdisciplinary Graduate Degree Programs

### INDIVIDUAL PH.D. PROGRAM (543-5900)
- Independent Study or Research, Doctoral Dissertation

### BEHAVIORAL NEUROSCIENCE (685-0519)
- Doctoral Dissertation

### RADIOLOGICAL SCIENCES (543-2084)
- Independent Study or Research, Master's Thesis

### BIOENGINEERING (685-2021)
- 499 Special Projects (2-6, max. 6)
- 599 Special Topics in Bioengineering (1-6, max. 15)
- Independent Study or Research, Master's Thesis, Doctoral Dissertation
QUANTITATIVE SCIENCE (543-1191)
291 Analysis for Biologists (5)
340 Applications of Computers to Natural Resource Problems (2)
381 Introduction to Probability and Statistics (5)
392 Techniques of Applied Mathematics in Biology I (3)
482 Statistical Inference in Applied Research (5)
502 Statistical Consulting for the Life Sciences (1-4)
599 Research in Quantitative Resource Management (", max. 12)

School of Law (543-0453)
300 Introduction to Law (3-6, max. 6)
416/8516 International Contracting: Negotiation and Drafting—U.S./Asia Commercial Transactions (3)
442 Land and the Urban Environment (3)
447/8547 Critical Perspectives on Law (3)
478/5570 International Economic Relations and Trade Policy (3)
477/B577 Law and Literature (3)
489/A589 Law and Aging (3)
Independent Study or Research, Externships, Doctoral Dissertation

Graduate School of Library and Information Science

LIBRARY AND INFORMATION SCIENCE (543-1794)
503 Bibliographic Data Bases (4)
528 Literature Searching (3)
577 Law Library Administration (4)
598 Special Topics in Librarianship
  A. Classification and Indexing of Technical Documents and Software (3)
  B. Information Resources in Culturally Diverse Communities (3)
  C. Picture Books: Evaluation and Use (3)
  D. Managing Information Organizations for Human Service (3)
Directed Field Work, Independent Study or Research, Master’s Thesis

School of Medicine

MEDICAL HISTORY AND ETHICS (543-5145)
510 Special Topics (", max. 6)
  A. The Temptations of Evolutionary Ethics (2)
Undergraduate Thesis, Undergraduate Research, Independent Study or Research, Master’s Thesis

MICROBIOLOGY
See course listings under College of Arts and Sciences.

PATHOLOGY (543-1140)
507 Cellular Pathology (2)
551 Experimental and Molecular Pathology (2-5, max. 20)
679P Pathology Summer Clerkship (", max. 24)
680P Diagnostic Pathology Clerkship, UH (", max. 24)
681P Diagnostic Pathology Clerkship, HMC (", max. 24)
682P Diagnostic Pathology Clerkship, VA (", max. 24)
687P Diagnostic Pathology Clerkship, Children’s Hospital and Medical Center (", max. 24)
688P Diagnostic Pathology Clerkship, Madigan Army Medical Center (", max. 24)
689P Diagnostic Pathology Clerkship, Valley Medical Center (", max. 24)
690P Diagnostic Pathology Clerkship, Northwest Medical Center (", max. 24)
691P Diagnostic Pathology Clerkship, General Hospital of Everett (", max. 24)
692P Diagnostic Pathology Clerkship, Group Health Cooperative (", max. 24)
Undergraduate Thesis, Undergraduate Research, Independent Research

PHYSIOLOGY AND BIOPHYSICS (543-0950)
503 Physiological Instrumentation (4)
508 Introduction to Laboratory Research in Physiology (2-5)
520 Physiology Seminar ("
521 Biophysics Seminar ("
522 Selected Topics in Respiratory Physiology (1-3)
527 Readings in Advanced Physiology and Biophysics ("

School of Nursing
Graduate Program: 543-4152
Undergraduate Program: 543-8736

NURSING SCIENCE
570 Family Concepts: Health and Illness (3)
573 Advanced Field Study in Family Nursing (2-9)
574 Family Nursing Therapeutics: A Systems Perspective (3)
598 Special Projects (1-12, max. 12)
599 Selected Readings in Nursing Science (1-3, max. 18)
Undergraduate Research, Doctoral Dissertation

COMMUNITY HEALTH CARE SYSTEMS
514 Seminar in Home Care for Chronic Illness (3)
527 Managing Effective Access and Utilization Within Care Systems (3/4)
529 Seminar in Care Systems Management (3)
574 Selected Topics in Comparative Nursing Care Systems (2 or 3, max. 10)
  A. Multicultural Family Health (3)
  B. Social Construction of Health and Illness (3)
575 Death Influence in Clinical Practice (2-4)
583 Transcultural Nursing Practices (3)
Independent Study or Research, Master’s Thesis

PARENT AND CHILD NURSING
509 Women’s Health: A Nursing Perspective (3)
511 Seminar in Neonatal Nursing (3)
512 Advanced Practicum in Parent and Child Nursing I (2-12)
516 Nursing Management of Acutely Ill Children and Their Environments (1-5)
519 Pediatric Pulmonary Nursing (2)
532 Professional Issues in Advanced Parent and Child Nursing (2-5)
542 Theoretical Foundations of Advanced Nursing Practice: Care During Childbearing I (4)
573 Selected Topics in Parent and Child Nursing (2-5, max. 12)
Independent Study or Research, Master’s Thesis

PHYSIOLOGICAL NURSING
504 Nursing Therapies in Critical Continuing Care (3)
510 Curriculum Development in Nursing Education (3)
544 Clinical Physiological Nursing Seminar II (1-10)
  A. Acute/Critical Care
  B. Acute/Circulatory Care
  C. AOA Primary Care
  E. AOA Primary Care
  F. AOA Primary Care
550 Seminar in Neuroscience Nursing (3)
561 Pain Management (3)
Independent Study or Research, Master’s Thesis

PSYCHOSOCIAL NURSING
505 Selected Topics in Psychosocial Nursing (2-10, max. 10)
  C. Biological Intervention (3)
509 Issues in Violence and Aggression for Health Professionals (3)
513 Seminar in Group Treatment (3)
515 Memory Theory and Implications for Health Care (3)
553 Assessment in Psychosocial Nursing (3)
555 Self-Management Strategies and Techniques in Patient Care (3)
569 Consultation in Human Service Systems (3)
Independent Study or Research, Master’s Thesis
College of Ocean and Fishery Sciences

SCHOOL OF MARINE AFFAIRS (543-4326)
Undergraduate Research, Independent Study or Research, Master's Thesis

SCHOOL OF FISHERIES (543-7457)
Fisheries
1. Introduction to Fisheries Science (5)
Undergraduate Research, Independent Study or Research, Internship/Experiential Learning, Master's Thesis, Doctoral Dissertation

Food Science
483 Food Analysis (3)
Undergraduate Thesis, Independent Study or Research, Master's Thesis

SCHOOL OF OCEANOGRAPHY (543-5039)
1. Survey of Oceanography (5)
Undergraduate Research, Independent Study or Research, Master's Thesis, Doctoral Dissertation

School of Pharmacy
(543-2030)
MEDICINAL CHEMISTRY
Undergraduate Research, Independent Study or Research, Master's Thesis, Doctoral Dissertation

PHARMACEUTICS
Undergraduate Research, Independent Study or Research, Master's Thesis, Doctoral Dissertation

PHARMACY
305 Clinical Dispensing Pharmacy (3)
470 Community Practicum (8)
471 Institutional Distributive Practicum (4)
486 Institutional Clinical Practicum (4)
487 Advanced Clinical Practicum (4)
488 Elective Advanced Practicum (*, max. 16)
489 Drug Information (4-6)
493 Medical Literature Evaluation (2)
495 Special Studies in Pharmacy (*, max. 6)
501 Orientation to Pharm.D. (2)
587 Advanced Inpatient Clerkship (*, max. 15)
Undergraduate Research, Independent Study or Research

Graduate School of Public Affairs (543-4900)

PUBLIC AFFAIRS
504• Administrative Ethics (3)
595• Topics in Environmental Policy and Management (3, max. 12)
A. Public Responsibilities and Private Choices: Emerging Environmental Approaches (3)
598• Administrative Skills Workshops
U. Oral Communication for Public Administrators (1)
V. Total Quality Management (1)
W. Board and Volunteer Relations for Not-for-Profit Organizations (1)
599• Media Relations (3)
Independent Study or Research, Master's Degree Project

School of Public Health and Community Medicine

BIOSTATISTICS (543-1044)
511 Medical Biometry (4)
578 Special Topics in Advanced Biostatistics (*, max. 3)
590 Biostatistical Consulting (3)
593 Cancer Prevention Lab (3)
Independent Study or Research, Master's Thesis, Doctoral Dissertation

ENVIRONMENTAL HEALTH (543-3199)
480 Environmental Health Problems (*, max. 6)
482 Environmental Health Internship (3-15)
512 Hazardous Waste Disposal (3)
520 Biological Effects of Nonionizing Radiation (3)
670 Selected Topics (1-6)
A. Topic to be arranged
B. Applied Informatics in Environmental Health (2)

Epidemiology (685-1762)
525 Topics in Preventive Medicine (2)
531 Problems in International Health (3)
542 Clinical Epidemiology (2)
590 Selected Topics in Epidemiology or International Health (1-6, max. 6)
593 Cancer Prevention Lab (3)
Undergraduate Research, Independent Study or Research, Master's Thesis, Doctoral Dissertation

International Programs and Exchanges (543-9272)

HEALTH SERVICES (543-8866)
475• Perspectives in Medical Anthropology (5)
505 Topics in Preventive Medicine (2)
531 Problems in International Health (3)
532• Planning and Financing Health Services: International Perspectives (3)
590 Selected Topics in Health Services (*)
592 Program Seminars (1-6, max. 6)
595 Fieldwork in Community Medicine (1-12)
597 International Health Projects (6)
MHA Field Project, Independent Study or Research, Master's Thesis

PATHOBIOLOGY (543-1045)
511 Pathobiological Frontiers (2)
583 Seminars on Frontier Membrane Research (1, max. 4)
590 Selected Topics (1-6, max. 6)
Undergraduate Thesis, Undergraduate Research, Independent Study or Research, Master's Thesis

School of Social Work (543-8617)

SOCIAL WELFARE B.A. PROGRAM
409 Readings in Social Welfare (1-5, max. 15)

SOCIAL WELFARE PH.D. PROGRAM
582-583 Research Practicum (1-3, max. 3 each)
Tutorial or Dissertation

SOCIAL WORK
515 Foundation Practicum (1-8, max. 12)
525 Advanced Practicum
(2-10, max. 24)
599 Readings in Social Work (*)
Independent Study or Research, Master's Thesis

The University of Washington Office of International Programs and Exchanges coordinates foreign study and exchange programs around the world. Summer Quarter opportunities are listed below. Deadlines for some of the Summer programs have passed, but many are still open. For more specific information contact the Office of International Programs and Exchanges, 516 Schmitz Hall, PA-10, Seattle, WA 98195.

Chinese Language Program, Beijing
Mid-June to mid-August

Denmark International Study Program in Architecture
Early June to mid-August
El Colegio, Mexico City  
Mid-June to late July

International Summer School, Oslo, Norway  
Late June to early August

Russian Language Program, St. Petersburg  
Mid-June to mid-August

Hebrew University, Jerusalem, Israel  
July and August

Foreign Student Studies Center, University of Guadalajara, Mexico  
Three five-week sessions during the summer

Evening Degree Program (543-6160)

ANTHROPOLOGY
434 Comparative Morals and Value Systems (3)

ART HISTORY
202 Survey of Western Art—Medieval and Renaissance (5)  203 Survey of Western Art—Modern (5)

COMMUNICATIONS
202 The Phenomena of Communicating (5)

ENGLISH
324 Shakespeare after 1603 (5)  354 American Literature: The Early Modern Period (5)

GEOGRAPHY
349 Geography of International Trade (5)

HISTORY
History of Asia  454 History of Modern China (5)
Modern European History  304 Cultural History of Renaissance Europe (5)

POLITICAL SCIENCE
441 Government and Politics of the Soviet Union (5)  447 Comparative Politics Seminar (5, max 10)

PSYCHOLOGY
305 Abnormal Psychology (5)

SOCIOLOGY
352 The Family (5)  460 Social Differentiation (5)

WOMEN STUDIES
313 Women in Politics (5)

BUSINESS
Business Communications  301 Basic Written Business Communication (4)
International Business  300 International Environment of Business (5)
Marketing  301 Marketing Concepts (4)
Organization and Environment  302 Organization and Environment (4)

BUILDING CONSTRUCTION
500 Design and Construction Law (3)  505 Advanced Integrated Computer Applications in Construction (3)

Bothell Branch Campus (685-5300)

BUSINESS
Courses meet the full term
BBUS 300 Managing in Organizations (5)  BBUS 320 Introduction to Marketing Management (5)  BBUS 340 Operations and Project Management (5)  BBUS 350 Business Finance (5)  BMGMT 450 Leadership and Decision Making (5)  BMKTG 460 Marketing Research (5)

EDUCATION
Courses meet June 26-July 26
BEDUC 520 History of African Americans in Seattle: Content and Methods (3)  BEDUC 534 Process Writing Across the Curriculum (3)  BEDUC 551 Theories of Organizational Change and School Reform (3)  BEDUC 555 Families, Communities and Schools (3)  BEDUC 591 Special Topics in Education: A. Cooperative Learning (3)  B. Seminar in Research and Writing for Educators (3)  BEDUC 592 Independent Study (1-6, max. 12)

LIBERAL STUDIES
Courses meet June 19-July 28

Tacoma Branch Campus (552-4400)

BUSINESS
TMKTG 490A Special Topics: Professional Sales Management (5)  TMGMT 430A Managing Employees (5)  TMGMT 490A Special Topics: A. Small Business Development (5)  TMGMT 490A Special Topics: B. To be determined (5)

EDUCATION
Master of Education Program
TEDUC 501 Education in Society: Political, Economic and Cultural Perspectives (3)  TEDUC 504 Understanding Educational Research (3)  TEDUC 522 Multicultural Education: Critical Issues (3)  TEDUC 532A Integrated Curriculum: Classroom Design and Instruction Strategies (3)  TEDUC 540 Children and Youth At-Risk: Critical Issues (3)  TEDUC 591A Special Topics in Integrated Curriculum A. Exploring Critical Health Issues in Health and Society Through Children’s and Young Adult Literature (3)  TEDUC 591A Special Topics in Integrated Curriculum B. Curriculum Design in Educational Technology (3)

Teacher Certification Program
TEDUC 451 Topics in Literacy: Beginning and Remedial Reading (3)  TEDUC 461 Topics in Numeracy: Foundations of Mathematics Instruction (3)  TEDUC 462 Social Studies Instruction (3)  TEDUC 471 Diversity and Equity in Schools and Curriculum (3)  TEDUC 472 Theories of Child Development and Learning (3)  TEDUC 473 Classroom Assessment (3)  TEDUC 474 Social Dynamics of Schools (1)

LIBERAL STUDIES

*variable credits
Courses listed in this Preliminary Announcement are tentative and subject to change.

- a term: June 20-July 20
- b term: July 21-Aug. 19
- No symbol: full term June 20-Aug. 19

Courses listed in this Preliminary Announcement are tentative and subject to change.
Summer Quarter Admission

This section provides an overview of the types of student classification and then describes what types of applications should be used.

Continuing UW undergraduate students

If you are enrolled as a matriculated student for the UW Spring Quarter 1995, you do not need to submit an application for Summer Quarter. Simply register using STAR just as you would for any other quarter.

Applying for admission

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. If you have questions after reading the appropriate sections, please call UW Undergraduate Admissions, (206) 543-9686, or 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 1995.

Freshmen Summer Start Program

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 May 3. For questions about how the Freshmen Summer Start courses fit into the UW curriculum, contact Undergraduate Advising at (206) 543-2551.

Summer-only nonmatriculated

The nonmatriculated (not degree-seeking) status allows you to enroll even though you are not pursuing a degree at the UW. The credits you earn usually can be transferred to other institutions. These credits also may apply to the requirements for a UW baccalaureate degree if you are later admitted to an undergraduate degree program. Admission as a nonmatriculated student does not affect an applicant's chances for later acceptance into a degree program and it does not permit you to continue in this status Autumn Quarter.

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 high school student participating in the Advanced Study Program (see page 20)
- 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 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
- 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 cancelled at the discretion of the instructor. No 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.

Graduate nonmatriculated students

Nonmatriculated and graduate nonmatriculated students are two different categories at the UW. For more information about which students need graduate nonmatriculated status and how to pursue it, see Special enrollment information for graduate nonmatriculated students, page 17.

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.

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 use the application form in this preliminary announcement 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.

Registration

If you are a continuing UW student enrolled for Spring Quarter 1995, you 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. Look for the Summer Quarter Bulletin and Time Schedule available on campus in mid-April.

Once you are notified that your admission application has been approved, you may register by touch-tone telephone using UW's STAR registration system. The STAR system will be available for summer registration beginning May 3. The Summer Quarter Bulletin and Time Schedule will include STAR registration instructions.

Graduating seniors or postbaccalaureate students with degree applications on file in the Graduation and Academic Records Office may register using Graduating Senior Priority on May 1 and 2. For details, see the Summer Quarter Bulletin and Time Schedule, available mid-April.

If you register for courses and find that you cannot attend, you must completely withdraw from the University or you will be committed to pay full tuition. For full details, see the Summer Quarter Bulletin and Time Schedule.
If you were pursuing an undergraduate or professional degree or a teaching certificate when you last attended the UW and were not awarded that degree or certificate, you will be readmitted in this 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.

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. The Summer Quarter application was submitted by the May 31 deadline and they attend classes in the summer.

International students
See International Students, page 17.

Types of applications
Application for Summer Quarter-only admission
The Summer Quarter-only application, on the inside back cover of this Preliminary Announcement, is designed for summer-only nonmatriculated students and former UW students eligible to be readmitted to their previous admission status. This includes graduate students who have official "on-leave" status. Students applying for new matriculated status (undergraduate or graduate) should use one of the forms described below.

Application for undergraduate admission
To be used by all new undergraduate students (except international students) and by former UW students who are changing to a new undergraduate or postbaccalaureate status.

Undergraduate admission applications are available from the Office of Undergraduate Admissions, 1410 NE Campus Parkway, 320 Schmitz Hall, PC-30, Seattle, WA 98195. Telephone: (206) 543-5150.

Teachers who are attending the UW to work on Continuing Teaching Certificates should contact the Teacher Education Program Office at (206) 543-1754.

A student who previously attended the UW as a postbaccalaureate student in a teaching certificate program can be admitted as a returning student in this status. To apply, request a returning student application from the Registration Office, 1410 NE Campus Parkway, 225 Schmitz Hall, PO-10, Seattle, WA 98195. Telephone: (206) 543-8580. Submit the form by May 31 to the address on the form.

Application for admission to the graduate school
This form is to be used by students applying for admission as graduate students, including those seeking administrator's credentials; or visiting graduate students; or by former graduate students who did not request "on-leave" status. Forms are available from the appropriate academic department.

Application for undergraduate international student admission
See International Students, page 17.

Application for admission to professional schools
Those interested in the schools of medicine, law or dentistry should contact those schools directly. For telephone numbers, refer to the appropriate sections in the course listings of this announcement.

Other Admissions 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 below. For more information, contact the Admissions Office or the unit listed. Please read Types of applications, this page.

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 19 may register for Autumn Quarter without submitting a new application. Withdrawal from Summer Quarter prior to June 19, 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 18-19.

Freshman
This admission classification applies to the individual who is entering college for the first time since graduating from high school. This classification includes Washington state Running Start students who completed fewer than 40 credits before Feb. 1 of their senior year. The application priority date for Summer/Autumn Quarter was Feb. 1. Admission is competitive. Not all qualified applicants can be admitted.

Transfer
This admission classification applies to the student who has earned college credits since leaving high school and is applying to complete a first baccalaureate degree. The application closing date is April 15. Admission is competitive. Not all qualified applicants can be admitted.

Postbaccalaureate
This status applies to the student who has completed a four-year baccalaureate degree from a regionally accredited institution and wishes to pursue an additional bachelor's degree, or wants to take further coursework to prepare for another degree program. Application closing date is April 15. If you are
interested in obtaining a teaching certificate, contact the Teacher Education Program Office, 211 Miller, (206) 543-1754.

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 (see Quick Reference Guide to Quarter Deadlines, pages 18-19). Therefore, you may not be eligible to apply. For more information, contact the appropriate admission office. You'll find the addresses in Types of applications, page 16. If your intention is to seek a degree at the University of Washington and you wish to begin enrollment during the summer, it is recommended that you apply for matriculated status for the term called "Summer/Fall" on the matriculated application form, if you can do so by the appropriate deadline. This will eliminate the need to submit two separate application forms and fees. See Summer/Autumn Quarter admission, page 16.

Special enrollment information for graduate nonmatriculated students
Under certain limited conditions, departments, schools or colleges may offer graduate credit to students who are not presently seeking a graduate degree but who have applied and 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 requirements, contact the graduate program coordinator in your area of interest. Acceptance as a graduate nonmatriculated student confers no priority for later admission into the Graduate School for pursuit of a degree.

International Students
International students are welcome to apply to the University in any admission classification with the exception of graduate nonmatriculated. 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 catalog. He or she will be admitted as a nonmatriculated student for Summer Quarter only and may not continue in Autumn Quarter.

Note: The University cannot provide I-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 non-student visa. Additional information will be sent with your offer of admission to Summer Quarter only.

Summer/Autumn Quarter admission
If international students wish to begin their studies Summer Quarter and continue Autumn Quarter, they must be admitted into a degree program (matriculated). An Undergraduate International Student Application and all required credentials must be filed with the Office of Admissions by Feb. 1 for freshmen and by March 1 for transfers and postbacalaureates. Admission is granted only for Summer/Autumn or Autumn Quarter. More information is available from the Office of Undergraduate Admissions, 1410 NE Campus Parkway, 320 Schmitz Hall, PC-30, Seattle, WA 98195. Telephone: (206) 543-9686. International students who seek admission as graduate students must contact the Office of Graduate Admissions for appropriate application materials. These forms can be obtained by writing the Office of Graduate Admissions, 98 Administration, AD-10, University of Washington, Seattle, WA 98195. Telephone: (206) 543-5929.

Student insurance
International students (excluding summer-only nonmatriculated 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 July 7, the tuition due date.

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 learn 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 Test. Academic advising is available from English As A Second Language, (206) 543-6242; Summer Quarter Advising, (206) 543-6160; Undergraduate Advising Center, (206) 543-2551; or 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 Extension. These students should not submit an application to the Office of 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, University of Washington Extension, 103 Lewis Hall, DW-12, Seattle, WA 98195. Telephone: (206) 543-6242.
Quick Reference Guide to Quarter 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. (Apply in person after this date.)</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>
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<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>
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<tr>
<td>UW faculty/staff and Washington state classified employees</td>
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<tr>
<td>Tuition Exemption Forms due</td>
<td>May 26</td>
<td>May 26</td>
<td>May 26</td>
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<tr>
<td>Last day to return approved applications for credit by examination to 264 Schmitz</td>
<td>June 30</td>
<td>June 30</td>
<td>July 28</td>
</tr>
<tr>
<td>Application deadline for baccalaureate degrees and certificates for all schools and colleges to be conferred for the quarter must be submitted to Graduation and Records Office, 264 Schmitz</td>
<td>July 7</td>
<td>July 7</td>
<td>July 7</td>
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<tr>
<td>Credit by examination (examinations must be taken by) 4th week of quarter</td>
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<td>4th week of term</td>
<td>4th week of term</td>
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<td>Registration</td>
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<tr>
<td>Registration Period I</td>
<td>May 1-26</td>
<td>May 1-26</td>
<td>May 1-26</td>
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<tr>
<td>Registration Period II</td>
<td>May 30-June 18</td>
<td>May 30-June 18</td>
<td>May 30-June 18</td>
</tr>
<tr>
<td>First mailing of registration confirmations and quarterly validation/U-PASS stickers</td>
<td>May 31</td>
<td>May 31</td>
<td>May 31</td>
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<tr>
<td>Registration confirmations mailed daily beginning this date</td>
<td>June 1</td>
<td>June 1</td>
<td>June 1</td>
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<tr>
<td>STAR closes at 6 p.m. for preparation of instructors' class lists</td>
<td>June 15</td>
<td>June 15</td>
<td>June 15</td>
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<tr>
<td>Registration Period III</td>
<td>June 19-30</td>
<td>June 19-30</td>
<td>June 19-30</td>
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<tr>
<td>$25 late fee assessment to register late</td>
<td>June 19-30</td>
<td>June 19-30</td>
<td>July 20-26</td>
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<tr>
<td>Registration for UW faculty/staff</td>
<td>June 21</td>
<td>June 21</td>
<td>June 21</td>
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<tr>
<td>Registration for UW ACCESS program</td>
<td>June 21</td>
<td>June 21</td>
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<tr>
<td>Registration for Washington state classified employees</td>
<td>June 22</td>
<td>June 22</td>
<td>June 22</td>
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<tr>
<td>STAR closes at 6 p.m. for preparation of 10th day statistics</td>
<td>June 30</td>
<td>June 30</td>
<td>June 30</td>
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<tr>
<td>Last day entry codes are valid to add a course</td>
<td>June 30</td>
<td>June 30</td>
<td>July 26</td>
</tr>
<tr>
<td>Last day to register</td>
<td>June 30</td>
<td>June 30</td>
<td>July 26</td>
</tr>
<tr>
<td>STAR closed for holiday</td>
<td>July 4</td>
<td>July 4</td>
<td>July 4</td>
</tr>
<tr>
<td>$75 late registration fee assessment begins. (Registration will only be allowed in rare circumstances.)</td>
<td>July 3</td>
<td>July 3</td>
<td>July 27</td>
</tr>
</tbody>
</table>

Adding/dropping courses or University withdrawal

| Last day for graduate students to apply for on-leave status | June 23 | June 23 | June 23 |
| Last day to add, drop or change a non-STAR transaction in Registration Office without being assessed a $20 change fee and possible tuition forfeiture | June 23 | June 23 | July 26 |
| Last day for complete withdrawal without owing tuition | June 25 | June 25 | July 26 |
| Last day to add, drop or change a course through STAR without being assessed a $20 change fee and possible tuition forfeiture | June 25 | June 25 | (see below) |
| $20 change fee is assessed to add, drop or change a course. Additional tuition or tuition forfeiture may also be charged | June 26 | June 26 | July 27 |
| b term courses may be added at the Registration Office, 225 Schmitz Hall. Students adding courses that require entry codes should obtain code before coming to register | June 26-July 26 | June 26-July 26 | June 26-July 26 |
| Entry codes required to add courses | June 26-30 | June 26-30 | June 26-July 26 |
| One-half tuition due if withdrawing from the quarter | June 26-July 9 | June 26-July 9 | July 27-Aug. 9 |
| Last day to drop a course without entry on transcript | June 30 | June 25 | July 26 |
| Last day to add a course | June 30 | June 30 | July 26 |
Quick Reference Guide to Quarter Deadlines

**Tuition/fee assessment and deadlines**

- **First day tuition balance is available on STAR:**
  - Full Term: June 16
  - a Term: June 16
  - b Term: June 16
- **$25 late fee assessment to register late:**
  - Full Term: June 19-30
  - a Term: June 19-30
  - b Term: July 20-26
- **Tuition statements mailed to all registered students:**
  - Full Term: June 19
  - a Term: June 19
  - b Term: June 19
- **$20 change fee is assessed to add, drop or change a course.**
  - Full Term: August 4
  - a Term: July 7
  - b Term: August 9
- **Additional tuition or tuition forfeiture (Registration will only be allowed in rare circumstances.)**
  - Full Term: July 3
  - a Term: July 3
  - b Term: July 27
- **$10 fee assessment for replacement of U-PASS begins:**
  - Full Term: June 26
  - a Term: June 26
  - b Term: July 27
- **One-half tuition due if withdrawing completely from the quarter:**
  - Full Term: August 9-July 26
  - a Term: August 9-July 26
  - b Term: July 27-August 9
- **$75 registration fee assessment begins.**
  - Full Term: June 26-July 9
  - a Term: June 26-July 9
  - b Term: July 27-August 9
- **Late tuition payment period (requires a late-payment fee):**
  - Full Term: July 10-14
  - a Term: July 10-14
  - b Term: July 10-14
- **Full tuition due if withdrawing completely from the quarter starting:**
  - Full Term: July 10
  - a Term: July 10
  - b Term: August 10
- **Last day to reregister if cancelled for nonpayment of tuition (additional $75 fee assessed):**
  - Full Term: August 9
  - a Term: August 9
  - b Term: August 11

**Grades**

- **W grade for dropped courses begins:**
  - Full Term: July 9
  - a Term: June 26
  - b Term: July 27
- **Grades due from faculty (10 a.m.):**
  - Full Term: August 21
  - a Term: July 24
  - b Term: August 10
- **First day grades and GPAs available on STAR:**
  - Full Term: August 23
  - a Term: August 23
  - b Term: August 23
- **Grades mailed to students:**
  - Full Term: August 24
  - a Term: August 24
  - b Term: August 24

**Final examinations**

- There is no separate final examination week during Summer Quarter. Finals are given during the scheduled last class unless all students, their instructor and the Time Schedule Office agree on another time.

**Commencement information**

- Undergraduates who plan to graduate in August and want to participate in the June 1995 commencement must have a graduation application on file by April 14, 1995.
General Information

Fees
There is a $35 nonrefundable Summer Quarter application fee. Both nonresidents and Washington state residents pay the same fees for most summer courses. For details, see the adjacent summer tuition schedule. Fees are subject to charge. See page 19 for tuition payment dates.

Registration
For information, please see page 15.

Course credits
Academic credits are indicated in parenthesis after the course title in this announcement. These credits may be transferred to other institutions at their discretion.

Advanced Study Program for high school students
Through the Advanced Study Program, high school students can enroll in UW courses during the summer. The Advanced Study Program is designed for high-achieving students who will be high school seniors, juniors or seniors in autumn 1995. Applicants should have grade-point averages of at least 3.3 (B+). For more information about the Advanced Study Program, students, parents and teachers should call Academic Advising at (206) 543-6160.

Academic advising
Academic advisers are available to discuss your educational objectives and assess your progress toward completion of requirements. Contact a UW adviser or adviser at your school in your field of study or call Summer Quarter Academic Advising at (206) 543-6160.

Housing
Residence halls and Stevens Court apartments on campus are available during Summer Quarter for single students. To obtain an application for hall or full-quarter housing for Summer Quarter, or for more information, write or call the Housing Student Services Office, 301 Schmitz Hall, PC-50, University of Washington, Seattle, WA 98195, (206) 543-4059. UW Conference Housing and Special Services offers on-campus housing on a space-available basis for persons attending summer workshops and short courses. For information, contact Conference Housing and Special Services, McCarty Hall, GR-10, University of Washington, Seattle, WA 98195, (206) 543-7636. In addition, the University provides listings of privately owned off-campus rental accommodations. Call (206) 543-8997 for information.

Transportation and Parking
If you can take the bus, carpool or vanpool, the U-PASS ($27) will save you a lot of money in commute costs. You will receive a U-PASS sticker with your registration confirmation. If you need to drive, quarterly parking permits are available on a limited basis. For more information about parking and transportation alternatives, see the Summer Quarter Bulletin and Time Schedule, or call (206) 685-1543.

University of Washington Extension
For information about summer courses offered by University of Washington Extension, call (206) 543-2320, 1-800-543-2320 (outside Seattle) or TDD (206) 543-0898. UW Extension courses are available in the evening and on the weekend as well as during the day. UW Extension also offers distance learning courses. Call the above numbers for a catalog.

To receive a Summer Quarter Bulletin and Time Schedule
You will be sent a Summer Quarter Bulletin and Time Schedule automatically if this preliminary announcement was mailed to you in response to a request for Summer Quarter 1995 information. If this announcement was not mailed in response to a request and you would like a Summer Quarter Bulletin and Time Schedule, please call (206) 543-2320, 1-800-543-2320 or TDD (206) 543-0898.

Accommodations for Disabilities
Various support services, including priority registration, are available to students with disabilities. Contact Disabled Student Services (DSS), 448 Schmitz Hall, (206) 543-8925 voice/TDD, for information to meet individual needs, accessibility and equipment services.

Question 17 on the application is asked for the purpose of reporting the number—not the names—of disabled applicants to the state, and for offering appropriate accommodations to disabled students, in accordance with the provisions of Section 504 of the Rehabilitation Act of 1973. Failure to provide the information will not subject you to any adverse treatment.

Summer tuition schedule (1994 tuition)
Tuition for 1995 had not been determined at press time and is expected to increase. The fees shown are subject to change.

Undergraduate: Resident and nonresident (including nonmatriculated and fifth-year)

Full-time (More than 6 credits) $969*
Part-time
9 credits $872
8 credits 775
7 credits 678
6 credits 581
5 credits 484
4 credits 387
3 credits 290
2 credits (minimum) 193

Graduate and Law: Resident and nonresident

Full-time (More than 6 credits) $1,049*
Part-time
6 credits $999
5 credits 749
4 credits 599
3 credits 449
2 credits (minimum) 299

Medical and Dental

Full-time
Resident $2,486* Nonresident $6,311*

Part-time
12 credits $2,295 $5,826
11 credits 2,104 5,341
10 credits 1,913 4,856
9 credits 1,722 4,371
8 credits 1,531 3,886
7 credits 1,340 3,401
6 credits 1,149 2,916
5 credits 958 2,431
4 credits 767 1,946
3 credits 576 1,461
2 credits (minimum) 385 976

*The additional fee per credit hour for more than 18 credits does not apply to Summer Quarter. 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 deferments, teaching assistantships or other programs. For more information, consult the Summer Quarter Bulletin.

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.
University of Washington summer-only 1995 application form*

Mail completed application form and $35 fee to:
- If you have never attended UW credit classes return to: Office of Undergraduate Admissions, PC-30, 320 Schmitz Hall, University of Washington, Seattle, WA 98195.
- If you have previously attended UW credit classes and have been assigned a student I.D. number, return to: Registration, PD-10, 225 Schmitz Hall, University of Washington, Seattle, WA 98195.

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.

Please type or print clearly:

1. Social Security number (optional, but aids processing)
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
12. Have you ever enrolled for a credit course at UW? □ Yes □ No
   If yes, please list place of employment (UW or state)
13. Have you earned a bachelor's degree at another college? □ Yes □ No
14. Last school attended:
15. Will you still be enrolled in high school in 1995-96? □ Yes □ No
16. (Optional) What race do you consider yourself to be?
   □ White/Caucasian □ Black/African American □ Eskimo □ Indian (American)
   □ Asian or Pacific Islander (API)
   □ Chinese □ Filipino □ Vietnamese □ Japanese
   □ Guatemalan □ Other API (Please print)
   □ Other Race (Please print)

17. (Optional) Do you have a physical, sensory, or mental impairment that substantially limits one or more life activities (e.g., walking, seeing, hearing, breathing or learning)?
   □ No □ Yes (Please describe)

18. 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 completed (month/day/year)

*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.

**Question 17 is asked for the purpose of reporting the number—not the names—of disabled applicants to the state, and for offering appropriate accommodations to disabled students, in accordance with the provisions of Section 504 of the Rehabilitation Act of 1973. Failure to provide the information will not subject you to any adverse treatment.