

WESTERN WASHINGTON STATE COLLEGE BULLETIN



COVER

The geometric figure on the cover is an illustration of "Sky-Viewing Sculpture" by Isamu Noguchi. The six-ton, steel-plated sculpture is a dominant figure in "Red Square" on the north campus.

COLLEGE CALENDAR 1976-77

Fall Quarter 1976

September 20
Registration

September 22
Classes begin

October 25
Veterans Day Holiday

November 24, noon - November 29,
8 a.m., Thanksgiving recess

December 6-10
Final examination week

Winter Quarter 1977

January 3
Registration

January 4
Classes begin

February 21
Washington's Birthday Holiday

March 14-18
Final examination week

Spring Quarter 1977

March 28
Registration

March 29
Classes begin

May 30
Memorial Day Holiday

June 3-9
Final examination week

June 10
Commencement

Summer Quarter 1977

June 20 - July 29
Six-Week Session

June 20 - August 19
Nine-Week Session

June 20
Registration

June 21
Classes begin

July 4
Independence Day Holiday

WESTERN WASHINGTON STATE COLLEGE BULLETIN

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Western Washington State College 1976-77 SUPPLEMENT to the GENERAL CATALOG/BIENNIAL ISSUE

This Supplement includes *Course and Program Changes* as well as changes in *Academic Regulations* approved since publication of the 1975-76/1976-77 Biennial Catalog. For complete, current information consult both the Catalog and the Supplement.

RELATIONSHIP OF SUPPLEMENT AND BIENNIAL CATALOG

Academic Regulations and Finances

If regulations or fee schedules have been altered from those printed in the Biennial Catalog, only sections which have been changed are included in the Supplement. For complete, current information consult both the Catalog and the Supplement.

Course Changes

In the Supplement, deletions are noted only by course number; revisions in courses (titles, descriptions, credits or prerequisites) show the change; new courses are printed in full.

Change in Requirements in Majors or Minors

If an Academic Unit has altered requirements for a major or minor, the Supplement contains the complete program, including the change.

General College Requirements (College of Arts and Sciences)

The complete, current program is included in the Supplement.

Note: In all instances page numbers in the Supplement enclosed in parentheses () refer to the 1975-76/1976-77 Biennial Catalog.

ADMISSION, REGISTRATION, FINANCES

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TRANSFER STUDENTS *(addition)*

Transfer students who complete the appropriate two-year degree at a Washington state community college will satisfy all of Western's general college requirements upon their enrollment. Since the community colleges offer several degree programs, students should consult their adviser for more complete information.

It is normally expected that a student wishing to transfer an associate degree in the above manner will have completed all requirements for that degree before transferring. If he/she is within 15 credits of completing the associate degree and has the approval of both the community college and the Director of Admissions or Registrar at Western, up to 15 credits of Western courses can be transferred retroactively in fulfillment of the degree. These credits must be earned in the first quarter of enrollment at Western and a transcript received by the middle of the second quarter.

HOUSING, STUDENT SERVICES

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Living Costs (revised)

The following rates for multiple room and board will be in effect for the 1976-77 academic year.

Double room and 21 meals per week, academic year	\$1,361.00
Double room and 15 meals per week, academic year	\$1,341.00
Double room and 10 meals per week, academic year	\$1,301.00

Rates on a quarterly basis are slightly higher. Breakfast, lunch and dinner are served seven days per week in the dining halls. Students may take 10, 15 or all 21 of the meals in the dining hall each week. Meal tickets are good seven days per week.

Rates for subsequent years may be slightly higher due to inflationary factors. All rates are available from the Housing Office upon request.

Apartment rates for 1976-77 will be as follows:

Birnam Wood

Furnished two-bedroom unit
with all utilities,
monthly cost (quarterly contract) \$221-\$236

Buchanan Towers

Furnished two-bedroom unit
with all utilities,
monthly cost (quarterly contract) \$183-\$200

Bakerview Mobile Homes

Unfurnished two-bedroom unit
without utilities, per month \$120-\$190

Other rates and facilities are created each year to meet the requests for other varieties of housing. Updated information may be requested from the Housing Office at any time.

Off-Campus Housing (revised)

The off-campus listing service carries listings of all available off-campus rentals; however, because of the constant change of availability, these are not printed for mailing. Available rentals are in great demand. It is to the student's advantage to arrive in Bellingham prior to the start of the quarter to make living arrangements. Although the office does not make individual rental agreements, nor assume responsibility for the condition or suitability of rental listings, it offers helpful information on renters' insurance, contracts with landlords and a guide book for renters.

Information concerning the off-campus listing service can be acquired by writing to the Off-Campus Housing Listing, High Street Hall, WWSC, Bellingham, Washington 98225.

For Information

Further information concerning on-campus housing and dining may be obtained by writing to: Director of

Housing and Dining, Western Washington State College, Bellingham, Washington 98225.

ACADEMIC REGULATIONS

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HIGH SCHOLARSHIP

Graduation Honors

Graduation *cum laude* or *magna cum laude* is possible from those divisions of Western Washington State College which employ the A - F grading systems. The College of Arts and Sciences, the College of Business and Economics, the College of Fine and Performing Arts, the School of Education, and the College of Ethnic Studies. Fairhaven and Huxley colleges, which employ different grading systems, may develop alternate ways to honor outstanding graduates, subject to approval of the Academic Coordinating Commission.

Within each college which awards *cum laude* or *magna cum laude* status upon graduation, the determining factor in granting such distinction shall be rank-in-class based upon cumulative grade average. *Magna cum laude* shall be awarded to each student whose cumulative grade average places him or her at the 97th percentile or higher among graduating seniors during the *previous* academic year. *Cum laude* shall be awarded to each student whose

cumulative grade average places him or her from the 92nd through 96th percentile among graduating seniors during the *previous* academic year.

In striking cumulative grade averages to determine graduation honors, the Registrar shall count only those grades earned at Western Washington State College and shall include, for this purpose only, grades in courses subsequently repeated.

To be eligible for *cum laude* or *magna cum laude* status upon graduation, the student must have earned at least 90 credits from Western Washington State College, at least 65 of which must be for courses completed under the A - F grading system.

Only students who earn a first bachelor's degree are eligible for graduation honors.

Quarterly President's List

Each undergraduate student whose quarterly grade average places him or her at the 90th percentile or higher among students of the same class (freshman, sophomore, etc.) shall be placed on the President's List. The term "honor roll" shall be affixed to the student's permanent academic record for that quarter. To be eligible for the quarterly President's List, a student must be enrolled officially in a division of Western Washington State College which employs the A - F grading system and must complete at least 14 credits on that grading system.

ACADEMIC AND PROFESSIONAL PROGRAMS

ACADEMIC PROGRAMS LEADING TO UNDERGRADUATE AND GRADUATE DEGREES

College of Arts and Sciences

American Studies	BA
Anthropology	BA, MA
Biology	BA, BS, MS
Biology/Chemistry	BS, BA/Ed
Biology/Math	BS
Biology/Physical Science	BA/Ed
Broadcast Communication	BA
Chemistry	BA, BS, MS, BA/Ed
Chemistry/Mathematics	BA/Ed
Chemistry/Physics	BA/Ed
Computer Science	BA
Earth Science	BA/Ed
Earth Science/Physical Science	BA/Ed
English	BA, MA, BA/Ed, M/Ed
Environmental Geology	BS
Foreign Languages	
(French, German, Greek, Latin, Russian, Spanish)	BA
(French, German, Latin, Russian, Spanish)	BA/Ed
(French, German, Spanish)	M/Ed
General Science	BA/Ed
Geography	BA, MA, MS, BA/Ed, M/Ed
Geography/Social Studies	BA/Ed
Geology	BA, BS, MS
Geology/Math	BA
Geophysics	BS
History	BA, MA, BA/Ed, M/Ed
History/Social Studies	BA/Ed
Home Economics	BA, BA/Ed
Industrial Arts Education	BS, M/Ed
Industrial Design	BS
Journalism	BA
Liberal Studies	BA
Mathematics	BA, MA, MS, BA/Ed, M/Ed
Mathematics/Computer Science	BA
Mathematics/Economics	BA
Natural Science	M/Ed
Philosophy	BA
Physical Education	BA, BA/Ed, M/Ed
Physical Geochemistry	BS, MS
Physical Science	BA/Ed
Physics	BA, BS, MS, BA/Ed, M/Ed
Physics/Astronomy	BA
Physics/Math	BA
Political Science	BA, MA, BA/Ed
Public Policy & Administration	BA
Psychology	BA, MA, MS, BA/Ed, M/Ed
Recreation & Park Management	BA
Science Education	M/Ed
Self-Designed Interdisciplinary Major	BA, BS
Social Studies	BA/Ed

Sociology	BA, BS, MA
Sociology/Anthropology	BA/Ed
Speech	BA, MA, BA/Ed, M/Ed
Speech/English	BA/Ed
Speech Pathology & Audiology	BA, BA/Ed, M/Ed
Technology/Industrial Technology	BS
Urban & Regional Planning	BA
Visual Communications (VICOED)	BS
Vocational Industrial-Technical Teacher Education	BS

College of Business & Economics

Accounting	BA
Business Administration	BA
Business Education	BA/Ed, M/Ed
Economics	BA, BS, MA
Office Administration	BS

College of Ethnic Studies

College of Ethnic Studies	BA, BA/Ed
Ethnic Studies/Social Studies	BA/Ed
Human Services	BA

College of Fine & Performing Arts

Art	BA, BA/Ed, BFA, M/Ed
Art History	BA
Dance	BA, BA/Ed
Music	BA, MA, BA/Ed, M/Ed
Theatre	BA

Fairhaven College

Fairhaven College	BA, BA/Ed
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Huxley College of Environmental Studies

Ecosystems Analysis	BS
Environmental Education	BS
Environmental Health	BS
Environmental Monitoring	BS
Environmental Planning	BS, MS
Environmental Simulation & Modeling	BS
Environmental Studies	BA
Human Ecology	BS
Marine Resources	BS

School of Education

Education (including specialized graduate programs for administration, counseling, and curriculum specialists)	BA/Ed, M/Ed
Special Education	BA/Ed, M/Ed

ACCOUNTING

College of Business and Economics

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BACHELOR OF ARTS

Major--Accounting 109 credits (revised)

- Acctg 251, 252, 350, 351, 352, 353, 354, 356, 455, 461, 462; BA 301, 302, 303, 311, 330, 375 or 376, 495
- BA 271 and 370, or 370 and 371; Econ 201, 202, 306
- Math 250, 251, 252

Accounting 350 may be waived for accounting majors in exceptional cases by written approval of the department. Economics 311 is recommended as an elective.

Accounting majors must complete a minimum of 72 credits in accounting and business administration courses. (Nine credits in economics may be included as part of this requirement.)

Students who plan to make a professional career in public accounting should take additional accounting and business law courses under departmental advisement.

Minor--Accounting 25 credits (editorial change)

- Acctg 251, 252, 350, 352, 353
- Additional credits in accounting under departmental advisement

BACHELOR OF SCIENCE

Minor--Accounting (delete--editorial change)

ART

College of Fine & Performing Arts

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BACHELOR OF FINE ARTS *(new)*

Studio Major 154 credits

The Bachelor of Fine Arts degree is the professional undergraduate art degree. It is an expanded undergraduate degree that requires each student to undertake a program of more than 180 undergraduate quarter credit hours. Students are advised that a Bachelor of Arts studio major of normal length is available. The Bachelor of Fine Arts degree requires each student to complete the following basic program:

- An 85-hour concentration in one specific studio area. The areas are: drawing, painting, printmaking, sculpture, graphic design, ceramics, fabric design and jewelry.
- A 30-hour secondary concentration in a studio area other than that covered in the 85-hour concentration.
- A 24-hour art history minor.
- A minimum of 15 free elective hours outside of the Art Department in addition to general college requirements.
- Attendance at Art Symposia and a minimum of one presentation.
- Passage to BFA candidacy after completion of 50 hours of art credit.
- Passage to BFA status upon completion of contract before granting of the degree.

Each student BFA program is arranged through the Art Department's contract system. That contract must be established between the student and the major area and minor area advisers at the completion of 24 credits in art. After the completion of 50 credit hours, each student must have made arrangements through the major professor to submit work to the area faculty in consideration for admission to BFA candidacy. Each student's works are considered by each committee

separately and judged in relationship to established traditional esthetic criteria in a manner designated by the department as a *concours* system. At the completion of all four requirements each student must submit work *en concours* for BFA degree consideration. This last *concour* will be a public presentation in an appropriate milieu. Transfer students with more than 18 credits of previous art work should seek advisement before entering the BFA program. All incoming students contemplating the BFA degree are urged to seek departmental advisement during the first quarter at Western.

COURSES IN ART

Course Additions

237 FOREIGN STUDY (3-5)
See Art 437.

337 FOREIGN STUDY (3-5)
See Art 437.

397a COLONIAL CRAFTS: SPINNING AND WEAVING IN THE SCHOOLS (2)

Prerequisites: open to non-majors; junior status or art major or B.A. or teaching experience. The construction of simple looms and spindles and the preparation of wool for weaving process is the main theme. An opportunity is also given for weaving practice and spinning techniques, as well as the use of yarn and other fibers for creating art forms. Materials and methods are appropriate for use in elementary and high schools. (Summer 1976)

397b EXPERIMENTAL PERFORMANCE WORKSHOP (2)

This workshop gives an opportunity to students and professionals from the visual arts, dance, drama, music, media and other interested individuals to explore new approaches to performance. The orientation of the course will be toward the theoretical of practical presentation of performance work. (Summer 1976)

397c DECORATIVE DESIGN AND COLOR (3)

The workshop will be concerned with teaching the student to paint decorative motifs and patterns on paper. Emphasis will be on shape, line, color and texture as a flat pattern as applied to the decorative design arts. Complex realistic design content will be excluded so that previous artistic experience or "talent" is not necessary. (Summer 1976)

397d BASIC ILLUSTRATION (3)

Prerequisites: Art 101, 202, 270 or equivalent. Basic techniques of black and white, two-color, and full-color illustration. Preparation of art for reproduction.

437 FOREIGN STUDY (3-5)

Prerequisite: for Art 237, 101 or equivalent and one art history class; for Art 337, 9 credits in lower-division art classes and one art history class; for 437, 20 credits in upper-division art. These courses are offered only through the WWSC Study Abroad program. Contact Foreign Study Office, Miller Hall 353, for information.

481 ADVANCED ART EDUCATION (3)

Prerequisites: previous work in art education; teaching experience. Lectures and studio work in art education as related to materials and evaluation of process, product and individual growth.

482 ART EDUCATION WORKSHOP (2-5)

Prerequisite: teaching experience. Explorations in art media and their adaptation to use in the school; may be repeated with different topics.

Course Revisions

367 WOVEN AND CONSTRUCTED FABRICS (3-5). Change in description to read: Repeatable to 15 credits.

COURSES IN ART HISTORY (page 58)

Course Additions

337 FOREIGN STUDY (3-5)
See Art History 437.

437 FOREIGN STUDY (3-5)

Prerequisites: for Art History 337, Art 101 or equivalent and one art history class; for Art History 437, 12 credits in art history or senior-level status. These courses are offered only through the WWSC Study Abroad program. Contact Foreign Study Office, Miller Hall 353, for information.

COLLEGE OF ARTS AND SCIENCES

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GENERAL COLLEGE REQUIREMENTS

Aims of the General College Requirements

- (a) To broaden and intensify the student's understanding of significant aspects of man's cultural heritage.
- (b) To introduce the student to the methods and tools of thought and expression.
- (c) To assist the student in integrating his knowledge.
- (d) To assist the student in developing his powers of aesthetic enjoyment and creativity.
- (e) To stimulate the student in formulating a philosophy of life based upon knowledge and reflection.

General College Requirements must be completed by all candidates for baccalaureate degrees except where the student has demonstrated proficiency through an acceptable college-level examination or through challenge procedure (see "Advanced Placement and Course Challenge" in Academic Regulations section of catalog). Some requirements may be satisfied with high school work as indicated below. Approved Associate of Arts degrees from certain community colleges will fulfill all General College Requirements.

Planning General College Requirements

The student should study carefully the requirements of his major and the course descriptions before planning his General College Requirements, as some required courses in the major may also apply on General College Requirements. If questions arise, the student should confer with a credit evaluator in the Registrar's Office.

Twelve (12) credits from one department is the maximum that may be applied toward General College Requirements except from the departments of Foreign Languages (see Humanities section) and General Studies. Although more than 12 credits may be taken from the General Studies Department to apply toward the *total* General College Requirements, the maximums for individual areas must be observed. Courses which are to apply to General College Requirements must be taken on an A through F grading scale; they may not be taken with pass/no pass grading.

Communications

Complete Both A and B

All incoming freshmen are urged to complete Block A of the Communications section of the General College Requirements during their freshman or sophomore years.

- A. ENGLISH 101, Language and Exposition (4) [waived for students demonstrating high English competency on entrance test]

or

ENGLISH 131, 132, 133, Masterpieces of World Literature with Composition (12) [this series satisfies the English 101 requirement and 8 credits in Humanities]

- B. *One course from the following:*

ENGLISH 201, Reading and Exposition (3); 202, Reading and Argumentation (3); 325a, Introduction to Rhetoric (3); 425a, Rhetorical Analysis (3)

JOURNALISM 104, News Writing (3)

PHILOSOPHY 107, Logical Thinking (3)

SPEECH 100, Fundamentals of Speech (3); 204, Small Group Processes (4); 205, Argumentation (4); 301, Speech Communication (3); 302, Speech for the Teacher (3)

Humanities

Course work must be distributed among at least three departments with no more than 10 credits from any one department except Foreign Languages. Foreign language study may be used to satisfy the requirement as follows:

- A. 20 credits in a single foreign language numbered above 101 and excepting courses offered in translation (367, 375) will complete the entire requirement. (At least 10 credits in the foreign language must be taken in residence, but up to 10 advanced placement credits are applicable to the fulfillment of this requirement.
- B. Students who do not elect to complete the entire Humanities requirement through foreign language study may present up to 10 credits in foreign language classes such as 367 and 375 (courses in translation), or any foreign literature or civilization course numbered 300 or higher.

Select a minimum of 20 credits from the following:

- ART 150, Art Appreciation (2); 110, Interdisciplinary Art (5)
- ART HISTORY 220, Survey of Art History I (3); 230, Survey of Art History II (3); 240, Survey of Art History III (3)
- CLASSICAL STUDIES 350, Greek and Roman Mythology (3)
- ENGLISH 131 & 132 & 133, Masterpieces of World Literature with Composition (4 ea); 216, Survey of American Literature (5); 231, Studies in Popular Literature (3); 238, Society through its Fiction/Drama/Poetry (5); 261, Reading and Writing Fiction/Poetry (3); 262, Film and Drama (3); 263, Cultural Heroes and Anti-Heroes in American Literature (3); 281, Western World Literature, Classical (3); 282, Western World Literature, Romantic (3); 283, Western World Literature, Modern (3); 338a, Major Women Authors (3); 338b, Sex Roles in Contemporary Literature (4); 362, The Bible as Literature (3); 461j, Contemporary Issues in Literature: The Negro's Negro in Negro Literature (3)
- FOREIGN LANGUAGES 367, Foreign Literature in Translation (3); 375, Main Currents in Modern Foreign Literature [French, German, Spanish, Russian] (5 ea)
- GENERAL STUDIES 121, Humanities, Ancient (5); 122, Humanities, Medieval (5); 123, Humanities, Modern (5); 231, Introduction to Study of Religion (3); 232, Myth and Folklore (4); 233, Religion in American Culture (4); 242, Music and the Ideas of Western Man (4); 310, Special Topics in the Humanities (3); 311, Great Books Representative of the Humanities (3); 341, Art and Ideology (3); 432, American Folklore (4)
- HISTORY 103, 104, Introduction to American Civilization (5 ea); 105, 106, 107, Introduction to Western Civilization (5 ea); 267, History of Christianity (5); 347, European Intellectual History (5); 365, Great Personalities in American History (5); 366, American Society and Thought: Origins 1620-1800 (5); 367, American Society and Thought: Origins 1800-1900 (5); 368, American Society and Thought: Origins 20th Century (5)

HOME ECONOMICS 175, Personal Environmental Design (2)

JOURNALISM 160, Current Events and the Media (3); 390, The News Process [may be taken only once to satisfy General College Requirements] (4)

MUSIC 110, Interdisciplinary Art (5); 140, The Art of Listening to Music (3)

PHILOSOPHY 111, Introduction to Philosophy (3); 112, Moral Philosophy (3); 113, Problems in the Philosophy of Religion (3); 215, Introduction to Existentialism (3); 330, Society, Law, and Morality (3); 405, Philosophy of Art and Criticism (3)

POLITICAL SCIENCE 360, Introduction to Political Theory (5); 460, Political Theory, Ancient and Medieval (3); 461, Political Theory, Renaissance and Modern (3); 462, Political Theory, Contemporary Ideologies (3); 463, American Political Thought (5); 465, Theories of Democracy (3)

SPEECH 480, The History and Criticism of American Public Address: 1740-1890 (3); 481, The History and Criticism of American Public Address: 1890 to Present (3); 482, History and Criticism of British Public Address (3); 483, History and Criticism of Canadian Public Address (3); 490 Rhetorical Theory and Practice Greek and Roman (4)

THEATRE 101, Introduction to the Theatre (3); 110, Interdisciplinary Art (5); 231, Introduction to Daring (2); 301, The Art of Film (3); 302, Film Genre (3); 350, Introduction to Child Drama (3); 425, Modern European Drama (3); 426, Modern American Drama (3); 427, Contemporary Drama (3); 428a,b,c, Major Dramatists (3 ea)

Social Sciences

Course work must be distributed among at least three departments with no more than 10 credits from any one department.

Select a minimum of 17 credits from the following:

- ANTHROPOLOGY 201, Introduction to Cultural Anthropology (5); 210, Introduction to Archeology (3); 215, Human Variation and Evolution (5); 310, The Rise of Civilizations (5); 330, Religion and Culture (5); 353, Sex Roles in Culture (4); 481, Childhood and Culture (3)
- ECONOMICS/BUSINESS - Bus Adm 271, Law and Business Environment (4); Econ 190, Current Economic Trends (3); 201, Principles of Economics I: Introduction to Macroeconomics (5)
- GENERAL STUDIES 105, Behavioral Science (5); 200, Introduction to Economic and Political Institutions (4); 466, Popular Culture (4)
- GEOGRAPHY 201, Human Geography (5); 207, Economic Geography (5); 210, Geography and World Affairs (2); 310, Pacific Northwest (3); 348, Political Geography (5)
- HEALTH EDUCATION 150, Consumer Health (2); 151, Society and Drugs (2); 152, Society and Sex (2)

- HISTORY** 336, Comparative Imperialisms (5); 360, American Economic History (5); 371, History of American Technology (5)
- HUXLEY** 467, Politics, Transformation and Environmental Constraint (4)
- JOURNALISM** 340, The Press and Society (3); 350, Law of the Press (3); 440, Press and World Affairs (3)
- PHYSICAL EDUCATION** 309, Psychology of Sport (3); 310, Sociology of Sport (3)
- POLITICAL SCIENCE** 101, Government and Politics in the Modern World (5); 170, A Citizen's Guide to Foreign Policy (5); 250, American Political System (5); 291, Introduction to Comparative Politics (5); 467, Politics, Transformation and Environmental Constraint (4)
- PSYCHOLOGY** 201, Introduction to Psychology (5); 313, Personality (5); 315, Social Psychology (5); 316, Developmental Psychology (5); 317, Human Sexuality (3); 318, Psychology and Culture (3); 319, Personality Theories and Sex Roles (4); 320, Industrial Psychology (4); 342, Thinking and Imagination (3); 347, Humanistic Psychology (3); 353, Adolescent Psychology (4)
- RECREATION** 101, Leisure and Society (3)
- SOCIOLOGY** 202, Principles of Sociology (5); 251, Sociology of Social Problems (5); 321, World Demography (5); 330, Introduction to Social Psychology (5); 333, Sociology of Aging (5); 335, Sociology of Medicine, Health and Illness (5); 337, Sociology of Sexual Behavior (5); 351, Sociology of Deviant Behavior (5); 352, Criminology (5); 353, Juvenile Delinquency (5); 360, Sociology of the Family (5); 363, Sociology of Religion (5); 365, Public Opinion (5); 367, Sociology of Work and Occupations (5); 368, Sex Roles and Social Structure (5)
- SPEECH** 340, Introduction to Mass Communication Media (3)
- TECHNOLOGY** 391, Man and Technology (3)
- ETHNIC STUDIES** 203, Chicano History, Society and Culture (3); 205, Introduction to Asian American Studies (3)
- GENERAL STUDIES** 271, Humanities of India (4); 272, Myth/Religion and Society in China and Japan (4); 273, Artistic Expression and Society in China and Japan (4); 274, Society and Literature in China and Japan (4); 275, Humanities of Japan (4); 276, Humanities of Africa (4); 332, Universal Religions: Founders and Disciples (4); 371, The Process and Problems of Modernization of Non-European World (4); 372, Modernization and the Place of the Individual in Non-European World (4); 373, Strategies and Visions of Modernization in the Non-European World: Conservatives, Reformers, Revolutionaries (4)
- GEOGRAPHY** 314, Latin America (5); 315, Asia (5); 319, Africa (5); 321, Indian, Pakistan and Bangladesh (3); 322, Middle East (3)
- HISTORY** 271, Introduction to Latin American Civilization (5); 273, Introduction to Latin America (5); 280, Introduction to East Asian Civilization (5); 285, Introduction to African Civilizations (5); 287, Introduction to Islamic Civilization (5); 361, Black History in the Americas: The Slavery Era (5); 362, Black History in the Americas Since Emancipation (5); 375, Indian in American History (5); 385, Africa to 1885 (5); 386, Africa since 1885 (5); 387, History of the Jews (5); 473, Selected Major Latin American States in the 20th Century (5); 480, China from Antiquity to early T'ang (5); 481, Imperial China from Early T'ang to Mid Ch'ing (5); 482, China from Late Ch'ing to Present (5); 483, Traditional Japan (5); 484, Modern Japan (5); 487a, Early Middle East (5); 487b, Modern Middle East (5); 489, Southern Africa (5)
- POLITICAL SCIENCE** 305, International Politics in the Middle East (3); 307, East Asia (5); 308, Sub-Saharan African Political Systems (5); 309, Southeast Asia (5); 346, Poverty, Minorities, and Government (5); 417d, Selected Problems in East Asian Politics (3); 430, Modern Chinese Politics (5); 431, Modern Japanese Politics (5)

Mathematics

(Students should check the mathematics requirement for their majors before selecting a mathematics or computer science course. Some majors require mathematics or computer science courses that will apply also to the General College Requirements.)

Students with four years of high school mathematics may have the requirement waived.

To satisfy this requirement, successfully complete any one mathematics course numbered 121 or higher *or* any one computer science course

or

Students with three years high school mathematics may substitute Philosophy 102, Introduction to Logic (3)

or

Students with two years of high school mathematics may take Mathematics 100, Algebra (5), and *then* substitute Philosophy 102.

Non-Western & Minority Cultural Studies

This area focuses upon a study of East Asia, South East Asia and India, the Middle East, Sub-Sahara Africa, Latin America, the Minority Experience in America, and Cross-Cultural Studies.

Select a minimum of 8 credits from the following:

- ANTHROPOLOGY** 361, Indians of North America (5); 362, Peoples of Asia (5); 363, Peoples of Africa (5); 364, Peoples of the Pacific (5); 451, Latin American Ethnology (5); 462, Indians of Northwest Coast (3); 463, Peoples and Institutions of South Asia (3); 464, Peoples and Institutions of East Asia (3)
- EAST ASIA** 301, 302, 303, The Cultures of East Asia: The Early, Middle and Recent Periods (4 each); 310, Mongolia and the Mongols (3)
- ENGLISH** 217, Survey of Women's Literature; 234, Introduction to Black Literature (4)

Science

Complete Both A and B

- A. One course from three of the four following areas (two of the four areas for students with one year high school--grade 11 or 12--preparation in chemistry, geology, physics or advanced biology):

BIOLOGY 101, General (4); 120, Science of Biology (5); 348, Human Anatomy and Physiology (5)

CHEMISTRY 101, Chemical Concepts (4); 115, General (5); 121, General I (5)

GEOLOGY 101, General Geology (4); 211, Physical Geology (5)

PHYSICS AND ASTRONOMY -- Physics 101, Physics for the Liberal Arts (4); 131, Principles of Physics (4); 132, Principles of Physics (5); 231, General Physics with Calculus (5); 306, Physical Foundations of Music (4). Astronomy 103, Astronomy for Liberal Arts (4); 204, General Astronomy (4)

- B. One additional course from Section A above or one course from the following list:

BIOLOGY 201, Mushrooms, Mosses and Molds (3); 202, Flowering Plants, Conifers and Ferns (3); 203, Insects and Other Terrestrial Arthropods (3); 204, Mammals, Birds, Reptiles, etc. (3); 205, Marine Biology (3); 206, Birds of the Northwest (3); 208, Foreign Chemicals and Natural Systems (3); 210, The Science of Biology (5); 305, Natural History of the Northwest (5); 307, Human Populations and Natural Resources (3); 308, Human Population and Sexuality (3); 333, Cells, Scientists and Society (3); 349, Human Anatomy and Physiology (5); 370, Human Genetics (4)

CHEMISTRY 122, General II (5); 208, Industrial Chemistry (3); 251, Organic Chemistry (3); 301, Chemistry and Society (4)

GEOGRAPHY 101, Natural Environment (4); 203, Physical Geography (5); 330, Geography of Landforms (5); 331, Climatology (5); 422, Geography of Water Resources (5); 423, Geography of Soils (3); 424, Biogeography (3)

GEOLOGY 212, Historical Geology (4); 214, Environmental Geology (3); 310, Geomorphology (5); 311, Common Rocks and Minerals (4); 314, Geomorphology of Western U.S. (3); 340, Geological Oceanography (3); 414, Geology of Washington (3-5)

HOME ECONOMICS 150, Human Nutrition (3)

PHYSICS AND ASTRONOMY -- Physics 301, Physics and Environmental Problems (3); 331, Waves and Thermodynamics (5). Astronomy 315, Solar System Astronomy (4); 316, Stellar Astronomy (4); 317, Cosmology (3)

BIOLOGY

College of Arts & Sciences

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COURSES IN BIOLOGY

Course Additions

103 HUMAN BIOLOGY (4)

Elementary human physiology: the functional anatomy of the human animal. Lectures and demonstrations.

397c LIFE OF THE GREEN PLANT (4)

Prerequisite: Biol 101, two years' high school biology, or equivalent. Structure, function, and reproduction of plants with emphasis on seed plants. Not open to students who have credit for Biol 311. (Summer 1976)

445L NATURAL HISTORY OF THE NORTHWEST: LABORATORY (7)

Prerequisite: concurrent enrollment in Bio: 305 and acceptance in the Natural History Institute. Natural history of terrestrial and fresh water environments; observations and identification of representative plants and animals; patterns of vegetation zonation and structure of natural communities. Emphases will be on higher plants and insects, their form, function and interaction. A field and laboratory course offered only as a component of the Natural History Institute. Not recommended for biology majors. Summers only.

497g CHEMICALS AND LIFE (4)

Explores and details the impact of exposure to biological systems of various chemicals. The emphasis will be directed toward commonly encountered chemicals and their effect upon humans, although other species will be considered where appropriate. (Summer 1976)

Course Revisions

405 FIELD ECOLOGY. Change in description to read: Analysis and investigation of vegetation patterns in Arizona, California, or other region. Field trip. May be repeated for credit.

453a ALPINE ENVIRONMENT AND VEGETATION. Delete from prerequisite: Concurrent enrollment in Biology 453b and Geology 497a.

453b ALPINE FAUNA. Delete from prerequisite: Concurrent enrollment in Biology 453a and Geology 497a.

BUSINESS ADMINISTRATION

College of Business and Economics

(page 79)

BACHELOR OF ARTS

Major—Business Administration

93 credits (revised)

- Acctg 251, 252, 350; BA 271, 301, 302, 303, 308, 311, 322, 330, 375 or 376, 495
- Econ 201, 202, 306, 311
- Math 250, 251, 252
- Ten credits in upper-division business administration elective courses under advisement

Business administration majors must complete a minimum of 72 credits in accounting and business administration courses (nine credits in economics may be included as part of this requirement).

Students should consider improving their communication skills by enrolling in English 401 (3), Business and Technical Report Writing, and Speech 488 (3), Business and Professional Speech.

Minor—Business Administration

30 credits (editorial change)

- Acctg 251, 252; BA 301, 303; Econ 201 or 202
- Additional business administration courses under departmental advisement of which at least four credits must be at the upper-division level (BA 271 recommended)

BACHELOR OF SCIENCE

Minor—Business Administration

(delete—editorial change)

COURSES IN BUSINESS ADMINISTRATION

Course Additions

397a THE PERSONNEL JOB/1975 (3)

An intensive examination of the role, function and activities of personnel administration and management. Special emphasis given to problem-solving and decision-making models, theories and concepts as they relate to the job of personnel. Topics covered include selection, placement, training, compensation, labor relations, affirmative action, performance appraisal, recruitment and personnel data system. (September 1975)

419 REAL ESTATE (3)

Prerequisite: BA 271 or equivalent. Real estate law; government regulation of real estate use; development, marketing and financing of commercial and residential real estate.

450 BUSINESS TAX PLANNING (3)

Prerequisite: Acctg 350. Consideration of the impact of federal, state of Washington and local government taxation upon business organization, location and operation. Comparable Canadian federal and provincial taxes are surveyed.

Course Revisions

101 See 201

201 (Number changed from 101) INTRODUCTION TO BUSINESS. Change in description to read: A survey of the field particularly directed to the needs of students majoring in office administration and business education. Recommended for other students, not intending to specialize in the fields of business and economics, who recognize the value of a broad informational background. Business and economics majors who have completed the course before declaration of a major may apply the credit to satisfy their General College Requirements in the social sciences. The course will cover the definition and uses of accounting and financial data, the scope and application of economics to the businessman, the scope and application of mathematical tools, and the methodologies used to gain and impart this education.

375 QUANTITATIVE METHODS I. Change in description to read: Quantitative methods used in research, analysis and decision making: estimation, inference, hypothesis testing, analysis of variance, regression correlation, time series, index numbers, forecasting, and Bayesian decision theory.

376 QUANTITATIVE METHODS II. Change in credits to read: (4). Change in description to read: Quantitative methods used in research, analysis and decision making: critical path, optimal path, queuing, production and inventory decision models, and linear programming, dual, non-linear and dynamic programming.

COLLEGE OF BUSINESS AND ECONOMICS

The College of Business and Economics is organized into four departments: Accounting, Business Administration, Office Administration and Business Education, and Economics. These departments are mutually supportive. While degree, major and minor field programs are identified by title to a department, the internal composition and requirements of such programs draw upon the resources of the entire college.

OBJECTIVE OF THE COLLEGE

The objective of the College of Business and Economics, working in consonance with other units of Western, is to generate and communicate knowledge, the utilization of which will lead to improving the effectiveness and efficiency of economic and other social institutions and to educate students for professions which require for their practice a systematic body of specialized knowledge in business and economics. Further, the communication of this knowledge will strengthen the liberal education of the student so that he can live and function more freely and constructively in our society.

For students participating in its programs, the college must assure that its curricular requirements and content (1) assure a broadly oriented liberal arts education, (2) satisfy the demands of society for undergraduate and graduate preparation in business, economics and teacher preparation in business and administrative subjects, and educate the student in the workings, administrative skills and environmental aspects of the business enterprise and other economic institutions.

DEGREES

<i>Degree</i>	<i>Department or Area</i>
Bachelor of Arts	Accounting Business Administration Economics Education (Business Education)
Bachelor of Science	Office Administration
Master of Arts	Economics
Master of Education	Business Education

ADMISSIONS

Admission to the College of Business and Economics is based upon satisfactory completion of two years (90 quarter credits) of college work with a cumulative grade average of 2.0 (C). Probationary admission may be extended to students completing lower-division course work at Western Washington State College. Students seeking such probationary admission should record their intentions with the college. Transfer students from community colleges and from upper-division status at other four-year institutions should apply for admission to Western Washington State College and then, upon confirmation of admission, for admission to the College of Business and Economics. For exact information regarding the acceptability of professional courses taken at other institutions, in areas of study covered by the departments of the College of Business and Economics, prospective students should communicate with the appropriate department chairman.

The faculty of the college and of the several departments of the college reserve the right to require successful completion of general and specific admission tests and placement tests as deemed appropriate. If the number of eligible applicants for certain programs within the college exceeds that for which space is available, acceptance into these programs will be competitive based on grade point average. Probationary admission may be granted to any applicant pending completion of such tests, completion of lower-division major and minor courses, or completion of the General College Requirements.

REQUIREMENTS FOR BACHELOR'S DEGREE *(new)*

- 180 Quarter Hours of Credits: Not less than 60 credits in upper-division study.
- Residence Study: One full year (45 credits minimum) including the final quarter before issuance of the degree.
- Scholarship Standard: A cumulative grade average of 2.0 (C), or better, with no grades less than "C" acceptable in the major, minor, supporting courses for the major or minor, professional education courses, or in English composition. Admission to, and continuation in, the teacher education curriculum requires a minimum average of 2.5.
- General College Requirements: Approximately 50-80 credits, depending upon degree of overlap with the major, exemptions based upon test results and the major and minor fields selected.
- Majors: Major area emphasis and requirements are specified in the departmental sections.
- Electives: Electives may be selected as needed to ensure the required 180 quarter hours total credit, *except* that majors in accounting and business administration must complete a minimum of 72 credits in areas other than accounting, business administration and economics.
- Petitioning Procedure: Any student who seeks a variation from the strict application of the rules, regulations, or requirements of the college, or a student-designed major from among the departments of the college, may petition for such relief. The petition will be in the form of a letter in three copies addressed to the dean of the college.
- Graduation and Degree Application: Refer to the "Academic Regulations" section in the General College Catalog for procedures to be followed.

GENERAL COLLEGE REQUIREMENTS

General College Requirements must be completed by all students seeking a baccalaureate degree from the College

of Business and Economics prior to full admission. The requirements may be satisfied in one or a combination of the following alternatives:

1. Demonstrating proficiency through appropriate examinations.
2. Through challenge in the manner described under "Academic Regulations" section of Western's General Catalog (see "Advanced Placement and Course Challenge").
3. Completion of the General College Requirements of the College of Arts and Sciences or an approved associate of arts degree from certain community colleges that satisfy those requirements.

PLANNING

The student should carefully study the requirements of his elected major field to maximize the productive use of his time. Maximum advantage should be taken of courses applicable to the major or minor field as well as to the general requirements.

CHEMISTRY

College of Arts & Sciences
(page 71)

COURSES IN CHEMISTRY

Course Additions

308 INTRODUCTION TO POLYMER CHEMISTRY (3)

Prerequisite: Chem 115, Tech 333 or Chem 208. Types of polymers, methods of polymerization, and preparation of important commercial thermoplastic and thermosetting plastics. Addition and condensation polymers are prepared in the laboratory.

417P CHEMICAL APPLICATIONS OF GROUP THEORY (3)
Prerequisites: any one of the following courses—Chem 461, Physics 381, or Physics 391.

Course Revisions

454 QUALITATIVE ORGANIC ANALYSIS. Change in credits to read: (4).

ECONOMICS

College of Business and Economics
(page 79)

BACHELOR OF ARTS

Combined Major: Economics and Mathematics
100 credits (editorial change)

This concentration for students who wish considerable depth in both areas satisfies both a major and a minor for the B.A. degree.

- Economics 201, 202, 301, 302, 311
- Acctg 251, 252, 350
- Twelve upper-division credits in economics and business administration selected under departmental advisement
- Economics 381 (or History 360)
- Math 121, 122, 201, 202, 222, 223, 241 (Math 301 may be substituted for 201, 202)
- Math 341 and 342; or 441, 442, 443
- Math 201 may be taken concurrently with Math 222; Math 202 may be taken concurrently with 223
- Computer Science 110 or 210
- Eight credits under advisement in 400-level mathematics courses

Minor—Economics 25 credits (editorial change)

- Economics 201, 202
- Additional courses selected under departmental advisement; at least 10 credits must be at upper-division level

BACHELOR OF SCIENCE

Minor -Economics (delete—editorial change)

BACHELOR OF ARTS IN EDUCATION

Minor: Economics 23-25 credits (revised)

(Alternate minor for other than business education majors for teaching competency recommendation.)

- Economics 201, 202; Acctg 251 or BA 201
- Ten credits in upper-division courses selected under prior advisement of department

COURSES IN ECONOMICS

Course Additions

417d TAXATION AND EDUCATION IN WASHINGTON STATE (3)
Prerequisite: Gen St 200 or Econ 201 or equivalent experience. Examination of the system of educational finance in Washington state, and an evaluation of alternative methods.

Course Revisions

302 INTERMEDIATE ECONOMIC THEORY. Change in description to read: The theory of pricing under conditions of perfect and imperfect market structure; relation of demand, production, costs and prices; functional income distribution; general equilibrium theory.

306 MANAGERIAL ECONOMICS. Change in prerequisites to read: Econ 202, Acctg 350, Math 251, BA 375.

SCHOOL OF EDUCATION

(page 93)

ADMISSION TO TEACHER EDUCATION

(revised)

The College shares with the profession as a whole the important responsibility for the selection of potential teachers. Admission to the College does not automatically admit the student to teacher education programs.

Admission Standards

These standards apply generally to all teacher preparation programs. Some variation occurs in their application for students enrolling in the Professional Concentration for Elementary Teachers, as indicated in the summary of that program which follows, and in more detail in bulletins supplied to applicants for the Professional Concentration.

English Competence—A grade of "B" in the general education course in English composition is generally acceptable evidence of competency.

Speech Competence—All candidates for admission to teacher education are expected to demonstrate adequate speaking ability. A grade of "C" or better in Speech 100, 302, or similar performance course is deemed evidence of minimal competence. Those not taking such a course may have their speech competence evaluated in Education 310, 398 or 399.

Scholarship—A cumulative grade point average of 2.5 in all course work to be counted toward the degree is required for admission to all certification programs. This must be achieved prior to consideration for admission. (Note: a student may petition for an exception to any of the standards above.)

The above standards are to be considered for initial admission to teacher education programs during the student's first professional course and are among the factors of concern in continual evaluation as the student progresses through a program for teacher certification.

Those who manifest deficiencies in written or spoken English will be urged to seek diagnostic and remedial assistance as needed at any time during their preservice education.

A student, after being admitted to teacher education, must maintain a minimum 2.5 grade average.

Credit is given in courses graded "A," "B," "C," "D," "S" and "P." However, the grade of "D" represents poor work which is not acceptable in the major, minor, supporting courses for majors or minors, English composition, professional education and educational psychology courses required for a degree or certificate nor for fifth-year courses.

Application

The student will apply for admission to a specific certification program generally during or following his first professional course. Such application is to be made at the advisement office specified for the program selected.

SUPERVISED TEACHING (revised)

All teacher education programs require supervised teaching. The requirement in supervised teaching for the provisional certificate is generally 16 credits. The following conditions apply to these courses in both campus-based and field-based sequences.

The student, under advisement, may seek to develop teaching competence in two fields if he has adequate academic background. He may also obtain recommendations for both secondary and elementary levels if he has an appropriate major field and the elementary teaching minor, and undertakes student teaching at both levels either within the 16 credit requirement or by an additional experience. However, two different experiences in the same quarter cannot be arranged.

Prerequisites for Supervised Teaching

- (a) Admission and continued good standing in the professional education program. (See "Admission to Teacher Education" above.)
- (b) Completion of at least 128 credits.
- (c) Secondary teachers—at least 30 credits in the proposed teaching major with grade average acceptable to the department for teaching recommendation. A methods class in the major area is strongly recommended. Completion of Education 310, 398, 420, Psychology 351, 353, 371.*
- (d) Elementary teachers in Program II—completion of Education 310, 385, Psychology 316, 351, 372,* and courses in four areas of the basic core (Elementary Minor); recommendation of readiness for supervised teaching from the elementary adviser.
- (e) Elementary teachers in Program III—completion of a sufficient portion of the Professional Concentration to warrant the adviser's recommendation of readiness to undertake supervised teaching.
- (f) A chest x-ray in compliance with state law.

Application for Supervised Teaching

Application for admission to supervised teaching must be filed in January preceeding the academic year in which the student intends to do the work. Students will consult with program advisers before making such application. They will indicate a first, second and third choice as to when they wish to begin their field work and as to geographic areas in which placement opportunities are available. It is necessary that the students keep the Office of Field Services (Miller Hall 206) informed of any changes or cancellations so that openings may be made available to other students.

Students planning to enroll in clinical programs or supervised teaching fall quarter are advised that

**Students in the field-centered programs satisfy many of these requirements through Education 491-492, as indicated in the checklist forms which follow.*

eligibility must be established by the close of spring quarter and that they are expected to begin their work with the fall opening of the public school. Such students will register for Education 490 in addition to their other fall courses.

Time Involvement

Normally all work in field programs and supervised teaching is considered full-time (seven clock hours plus preparation time and seminar).

Placement Locations

Field-based clinical and student teaching programs are available in school districts in Whatcom/Skagit counties and the greater Seattle area. One-quarter supervised teaching placements are also made in these locations on a space-available basis.

PROFESSIONAL CERTIFICATION PROGRAMS *(addition)*

History 391, Washington State History and Government, is no longer required of all candidates for teacher certification. Only those majoring in social studies or history or those expecting to teach Washington state history must complete the course.

PROGRAM IV TEACHING IN SPECIAL EDUCATION *(revised)*

Admission and Advisement – Miller Hall 318

- A. *Major* for Elementary Special Education
 - Education 360, 361, 461, 462, 462a, 466
 - Elementary Basic Core
 - Education 485 (4)
 - Education 424 or English 441a (3)
 - Education 426 or Soc Studies Ed 425
 - Math 281 or 481 (4)

- Science Education 380 (3)
- Electives: 7-11 credits selected under advisement from the following: Education 261 (1) [may be repeated for a maximum of three (3) credits]; *Mental Retardation*: Ed 465; *Emotionally Disturbed*: Ed 463; *Learning Disability*: Ed 460a,b,c; *Elementary Education*: Ed 439, 488, Lib Sci 305, a second course in math education and in science education

Minor for Elementary Special Education

- The above major must be accompanied by an academic minor in one of the areas listed in Program II for Elementary Teaching majors (see page 99 of the 1975/77 General Catalog). Minors are offered in most of these areas; see department section of the General Catalog and departmental advisers for specifications.

B. Major for Secondary Special Education

- The student will complete a teaching major from the approved list in Program I for Secondary Teaching (see page 99 of the 1975/77 General Catalog)

Minor (required for teaching recommendation in special education at the secondary level)

- Special Education courses: Ed 360, 361, 461, 462, 462a, 466
- Elementary Education courses: Ed 485, plus at least one course from Ed 424, 426, 439; Eng 441a; Lib Sci 305; Math 281, 481; Soc St Ed 425; Sci Ed 380, 381

C. Professional Sequence

- Complete the campus-based or the field-centered sequence outlined on page 97 of the 1975/77 General Catalog for either the elementary or secondary level, depending on level of preparation (A or B above); for endorsement in special education, add Ed 498, Supervised Teaching-Special Education

B. Specialization

- 30-35 hours minimum in one of the fields appropriate to elementary teaching (language arts, social studies, science, mathematics, art/technology, music, physical education/health, Spanish)

C. Professional studies

- Ed 310 or 390
- Psych 316 or Home Econ 320
- Ed 485
- Math 281/481 (4)
- English 441a, or Ed 424, or Ed 439, or Ed 493a
- History 391 (may be waived to fifth year)

The fall quarter of the internship (16 hours):

- Speech 407 or Ed 391 (4), to be arranged as a full-time experience for a week during September
- Ed 426 (3) or Ed 400, if 426 already taken
- Ed 486, Problems in Corrective Reading (4)
- Ed 421, Instruction in the Elementary School (5)
- Staff will arrange for consultants to direct special projects in acquiring information and applying this knowledge in classrooms for these elementary curricula: mathematics, science, art and technology, health and physical education, writing skills

The winter quarter (15 hours):

- Ed 490, Observation and Participation (3) Staff will arrange for consultants to direct the study and application of principles of learning as they relate to those pupils in the interns' classrooms who have special academic difficulties
- Ed 491-492, Laboratory in Preparation and Interaction (12) Structured experiences leading to demonstrations of competency by the interns for all the major tasks of classroom teaching

The spring quarter (16 hours):

- Ed 494, Supervised Teaching (16)

**PROGRAM V
ELEMENTARY INTERNSHIP (new)**

Admission and Advisement – Miller Hall 251

- A. Complete general studies requirements

**FIFTH-YEAR STUDY FOR
PROVISIONAL CERTIFICATION OF
DEGREE HOLDERS (revised)**

Admission and Advisement – Miller Hall 204

Persons holding a bachelor of arts or bachelor of science degree from an accredited institution may be admitted

to a program leading to the provisional teaching certificate. This individually prescribed program normally entails three to four quarters of residence study, including student teaching.

Persons selected for this program must have demonstrated academic ability, a broad liberal arts preparation, a major field acceptable for public school teaching, and realistic career plans.

Up to 30 hours of this program may be applied toward the traditional fifth year leading to the standard certificate. To meet full requirements for the standard certificate, a minimum of 15 quarter hours of planned study is required after at least one year of teaching and evidence must be presented of three years of teaching experience which, judged as a whole, are satisfactory.

Note: Special arrangements are possible for individuals who hold the bachelor's degree, have little or no professional preparation, but have one year or more of successful paraprofessional experience in the public schools. Such individuals may be recommended for certification, provided that they successfully complete one quarter of residence study on campus, other study as required in their individual program, and student teaching.

FIFTH YEAR OF STUDY FOR TEACHERS HOLDING PROVISIONAL CERTIFICATES (revised)

The provisional certificate is valid for three years from the date of issuance, and may be renewed for a second three-year period upon completion of an approved 12 quarter hours of the fifth year. For teaching in Washington after the expiration of the provisional certificate, the teacher must complete an approved fifth year of study leading to the standard certificate.

The Standard Certificate, issued after completion of the fifth year of study and at least three years of satisfactory teaching experience, is valid for teaching at any level in the public schools of Washington on a continuing basis, and for a period of seven years.

The fifth year of study may be satisfied in combination with one of the programs leading to a master's degree or by an approved study program without an advanced degree as its goal. Under either program the student files a fifth-year plan with the Office of Fifth Year Advisement, Miller Hall 204.

The plan for each student is developed with the assistance of local school officials and college advisers and is to be approved *before courses are taken*.

State regulations for the standard certificate include the following general specifications:

- Credit 45 quarter hours of approved study in addition to bachelor's degree
- Correspondence credit limited to 5 quarter hours
- One-half or more of the 45 credits in upper-division and/or graduate study
- Course work to include both academic and professional studies
- One-half or more of work to be earned through recommending institution, or an approved out-of-state institution; courses taken out-of-state require prior approval of preservice recommending institution
- Limited amount of fifth-year study allowed prior to teaching with prior approval of recommending institution
- Three years' teaching experience which judged as a whole are satisfactory; recent teaching experience is of particular concern

The College requires that each fifth-year student complete at least one quarter of *residence* study on campus.

The College accepts for fifth-year study only those courses completed with a grade of "C" or better. Grades of "P" may apply if a statement from the instructor is provided indicating that the grade represents at least a "C" level equivalency. Such statement is obtained on the student's initiative and filed with the Office of Fifth Year Advisement.

COURSES IN EDUCATION

Course Deletions

Education 597c,d,e

Course Additions

423cd CURRICULA IN BASIC LANGUAGE ARTS SKILLS IN SECONDARY SCHOOLS (3)

Prerequisite: admission to teacher education. Designed for those who will be working in development and implementation of curricula to meet new accountability standards. Involves study of these standards and work with actual public materials.

481 DEVELOPMENTAL READING IN THE SECONDARY SCHOOL (4)

For pre-service and experienced classroom teachers, grades 6-12. Developmental reading skills, reading skills specific to content areas, and basic study skills. Suggestions for dealing with the wide range of reading achievement. Not a course in remedial reading.

497a READING WORKSHOP: INDIVIDUALIZED READING (2)

This workshop deals with the essential skills which form the basic foundation of an individualized reading program. (Summer 1976)

497b READING WORKSHOP: TEACHING WORD ATTACK SKILLS (2)

Directed mainly toward primary grade teachers. This workshop stresses the latest techniques and materials for teaching word attack skills. (Summer 1976)

497c READING WORKSHOP: AIDING SECONDARY DISABLED READERS (2)

This workshop will concentrate on practical suggestions, teaching techniques, and materials proven to be useful in aiding disadvantaged teenage readers. (Summer 1976)

497d DIAGNOSTIC AND CORRECTIVE TEACHING TECHNIQUES IN READING FOR THE CLASSROOM TEACHER (3)

Prerequisite: baccalaureate degree and teaching experience. Directed toward classroom teachers who are not reading specialists. This course provides information and skill development in the study of reading disability cases leading to their successful treatment within the regular classroom. A case study approach is employed. Not good for credit toward a graduate degree.

581 SECONDARY AND ADULT READING PROGRAMS (4)

Prerequisite: baccalaureate degree plus appropriate administrative and/or teaching responsibilities. For administrators, curriculum personnel and experienced teachers in secondary schools and community colleges. Examines present reading education practices, instructional needs of secondary and adult students, innovative programs, materials, staff and curriculum development, evaluation, and guidelines for establishing developmental reading programs.

592h,j,k FIELD EXPERIENCE IN ADULT EDUCATION (2-6)

Prerequisite: permission of instructor. Supervised field experience in developing, directing or evaluating adult education programs relating to: (h) administration; (j) learning problems of adults; (k) curriculum planning.

597i SPECIAL PROJECTS IN READING AND LANGUAGE ACQUISITION (4)

Prerequisite: Ed 589. Designing, implementation and reporting controlled observations of children's reading or language performances, and relating the observations to psycholinguistic theory. (Winter 1976)

597k DEVELOPING STAFF AND COMMUNITY RELATIONS (4)

Prerequisite: graduate status. Examination of methods and models for assessing, planning, implementing and evaluating both professional development and improving school/community relations programs. (Winter 1976)

639 CURRENT TRENDS IN EDUCATION (1-5)

Prerequisite: master's degree and permission of instructor. Studies of current topics in any one of the following areas: (a) adult education; (b) educational administration; (c) reading; (d) foundations; (e) learning resources/library science; (f) secondary education; (g) special education; (h) personnel administration; (j) elementary education; (n) community education.

Course Revisions

424a,b,x LANGUAGE ARTS IN ELEMENTARY CURRICULUM. Change in credits to read: (4).

424c,d LANGUAGE ARTS IN SECONDARY CURRICULUM. Change in credits to read: (4).

433 KINDERGARTEN AND PRIMARY EDUCATION. Change in prerequisite to read: Ed 431 or permission of instructor.

445 CURRENT TRENDS IN EDUCATION. Change in title to read: CURRENT TOPICS IN EDUCATION. Change in credits to read: (1-5). Change in prerequisite to read: Teaching experience or permission of instructor. Repeatable with different content subject to approval by the department. Change in description to read: (a) adult education; (b) educational administration; (c) reading; (d) foundations; (e) learning resources/library science; (f) secondary education; (g) special education; (h) personnel administration; (j) elementary education; (n) community education.

445f See 461.

461 (Number changed from 445f) PRECISION TEACHING—A METHODOLOGY FOR THE DYSFUNCTIONAL CHILD.

464 THE DISADVANTAGED: SEMINAR. Delete prerequisite. Add to description: Conference course permit required from instructor before registering.

467 SEMINAR IN PRECISION TEACHING. Change in prerequisite to read: Ed 461 or equivalent.

493e,f INDIVIDUALIZED INSTRUCTION IN READING-LANGUAGE ARTS IN THE ELEMENTARY SCHOOL. Add to description: S/U grading only.

532 TEACHING AND LEARNING OF ELEMENTARY SCHOOL SUBJECTS. Change in prerequisite to read: Ed 421 or permission of department.

533 SEMINAR: THE ELEMENTARY SCHOOL CHILD. Change in prerequisite to read: Ed 422 or permission of department.

584 MEASUREMENT AND DESIGN IN READING RESEARCH. Change in title to read: PSYCHOLOGY OF READING. Change in description to read: (To be taken prior to or concurrent with Ed 501.) Perceptual and cognitive processes in reading and their implications for reading instruction. Study and interpretation of reading research literature and the application of psychological principles to the design of reading research problems.

587 IMPROVEMENT OF INSTRUCTION IN READING. Change in prerequisite to read: At least one previous course in the teaching of reading or teaching experience.

594e,f,g (Number changed to e,f,g,h) Change of titles, prerequisite and description to read: PRACTICUM IN READING DIAGNOSIS AND REMEDIATION (4 ea). Prerequisite or concurrent: Ed 584 or equivalent, and permission of instructor; e,f,g or e,f,h must be taken in sequence. Reading consultant candidates will have consultant opportunities approved by instructor (h).

594e Standard diagnostic tests in reading; supervised practice in their use.

594f Individual case study; diagnosis and remedial instruction of children with reading problems.

594g Advanced practicum in remedial reading instruction.

594h Practicum in reading consultant work.

594j,k,m (Numbers changed from 597c,d,e) PRACTICUM IN READING DIAGNOSIS AND REMEDIATION. Change in title, credits, prerequisite and description to read: PRACTICA IN ACTION RESEARCH (3 ea). Prerequisite: teaching experience and permission of department. Field-based studies by entire school building staffs to resolve persistent and significant school problems. Course requirements include the development of an approved proposal for action research. Courses must be taken in sequence. S/U grading.

594j Practicum in Needs Assessment
Systematic analysis of pupils' achievement compared to the aspirations of pupils, community and school faculty. Candidates will develop an approved proposal for research which is consistent with the school building's proposal.

594k Practicum in Designing and Implementing Strategies for Change
Identification and analysis of alternatives for meeting identified problems. Selecting and implementing a proposed solution to an identified problem.

594m Practicum in Evaluating Educational Programs
Systematic analysis of apparent effects of program(s) designed to meet specific needs of pupils.

686 SEMINAR FOR READING SPECIALISTS. Change in description to read: Development and execution of a research study in the area of reading. Selected readings of a minimum of eight books concerned with recent trends in reading education.

LIBRARY SCIENCE

No changes.

ENGLISH

College of Arts & Sciences

(page 115)

BACHELOR OF ARTS IN EDUCATION

(editorial revision)

Teaching Competence

Recommendation for teaching competence normally requires completion of the major or interdisciplinary major concentration. An exception is provided through the extended minor listed below. A grade of 2.5 or better in English is required.

COURSES IN ENGLISH

Course Deletion

English 320a.

Course Additions

297a STANDARD ENGLISH USAGE (3)

Not accepted as part of the English major or supporting courses. A series of lectures/recitations will deal with the major problems of American usage as they occur in writing (punctuation, spelling, idioms, agreement, tense, etc.). Pass/Incomplete grading only. Students will continue the course until they pass a diagnostic examination.

- 447a CONFERENCE ON CHILDREN'S LITERATURE (1-3)
Prerequisite: junior status or experience as teachers, librarians, or writers. A conference consisting of lectures, demonstrations, and small group meetings. Also listed as Library Science 445a.

COLLEGE OF ETHNIC STUDIES

(page 129)

Course Revisions

- 101 LANGUAGE AND EXPOSITION. Change in description to read: A writing program that emphasizes command of language and standard rhetorical strategies. Students wishing to satisfy Block A of the General College Requirements are urged to enroll in this course during their freshman or sophomore years.
- 131, 132, 133 MASTERPIECES OF WORLD LITERATURE WITH COMPOSITION. Change in credits to read: (4). Change in description to read: Papers based on readings from classical, medieval, renaissance, neoclassical, romantic and modern literature. Students wishing to satisfy Block A of the General College Requirements are urged to enroll in these courses during their freshman or sophomore years.
- 325a INTRODUCTION TO RHETORIC. Prerequisite to read: English 101.
- 420a ENGLISH LITERATURE IN THE THIRD WORLD. Change in title to read: STUDIES IN COMMONWEALTH LITERATURE. Change in credits to read: (4). Change in description to read: Comparative study of the new literatures in English which have emerged from Africa, Australia, Canada, India, West Indies since World War II. Such authors as Achebe, White, Soyinka, Laurence, Naipaul.
- 425a RHETORICAL ANALYSIS. Prerequisite to read: English 101.
- 461b MYTH AND MODERN MAN. Description to read: A basic study of myth from several vantages: comparative religion, psychology, anthropology and philosophy. The application of myth analysis to the work of selected writers, like James Joyce, who use mythic motifs.

COURSES IN JOURNALISM

No changes.

COURSES IN ETHNIC STUDIES

INTRODUCTORY COURSES

Course Revisions

- 201 INTRODUCTION TO BLACK STUDIES. Change in title to read: THE AFRO-AMERICAN EXPERIENCE. Change in credits to read: (3).
- 203 INTRODUCTION TO CHICANO HISTORY AND CULTURE. Change in title to read: CHICANO HISTORY, SOCIETY AND CULTURE. Change in credit to read: (3).
- 205 INTRODUCTION TO ASIAN AMERICAN STUDIES. Change in credits to read: (3).
- 300 COMPARATIVE MINORITY STUDIES. Change in credits to read: (3).

NATIVE AMERICAN STUDIES

(Courses offer from 3 to 5 credits.)

Course Additions

- 326 AMERICAN INDIAN LEGAL ISSUES
- 347 THE INDIAN IN CONTEMPORARY AMERICAN LITERATURE
- 424 WORKSHOP IN INDIANS OF THE PACIFIC NORTHWEST
- 427 SEMINAR IN AMERICAN INDIAN HISTORY: 19th CENTURY (also 341)
- 429 SEMINAR IN AMERICAN INDIAN HISTORY: 20th CENTURY (also 329)
- 441 SEMINAR IN AMERICAN INDIAN HISTORY: THROUGH 1800 (also 341)

Course Revisions

- 312 INDIAN-WHITE RELATIONS. Change in title to read: AMERICAN INDIAN HISTORY.

BLACK STUDIES

(Courses offer from 3 to 5 credits.)

Course Additions

- 303b AFRICA IN LITERARY PERSPECTIVES
- 311 THE SOCIOLOGICAL BLACK NOVEL
- 384 AFRICAN RELIGIONS AND PHILOSOPHIES
- 419 BLACKS IN THE LABOR MOVEMENT
- 421 ANONYMOUS AMERICANS
- 426 BLACK ATHLETES: SOCIAL AND CULTURAL IMPLICATIONS
- 430e BLACK ARTS WORKSHOP

CHICANO STUDIES

(Courses offer from 3 to 5 credits.)

Course Additions

- 210 INTRODUCTION TO CHICANO LITERATURE
- 362a AZTEC SOCIETY AND CULTURE
- 412 ETHNICITY, RACE AND CLASS IN THE UNITED STATES AND MEXICO
- 418 THE MEXICAN REVOLUTION OF 1910

Course Revisions

- 374 SEMINAR IN THE CHICANO COMMUNITY. Change in title to read: THE CHICANO COMMUNITY.

ASIAN AND ASIAN AMERICAN STUDIES

(Courses offer from 3 to 5 credits.)

Course Additions

- 406 THE ASIANS IN NORTH AMERICA

Course Revisions

- 352 RADICAL PERSPECTIVES IN THIRD WORLD THOUGHT. Change in title to read: THIRD WORLD LITERATURE AND THIRD WORLD THOUGHT.

COMPARATIVE CULTURE STUDIES

(Courses offer from 3 to 5 credits.)

Course Additions

- 346 STRATEGIES FOR SOCIAL CHANGE
- 382 CHILDREN IN CROSS-CULTURAL PERSPECTIVE
- 410 ETHNIC POLITICS IN AMERICA
- 411 ETHNICITY AND CHILDREN'S LITERATURE
- 415 AMERICAN FOREIGN POLICY TOWARD THE THIRD WORLD
- 425 ETHNICITY AND CULTURE
- 434g STUDIES IN MULTI-ETHNIC LITERATURE

Course Revisions

- 338 WOMEN: TRADITIONAL ROLES AND MODERN MOVEMENTS. Change in title to read: WOMEN IN CROSS-CULTURAL PERSPECTIVES.

MINORITY EDUCATION

(Courses offer from 3 to 5 credits.)

Course Additions

- 413 BILINGUAL AND BICULTURAL EDUCATION
- 420 BILINGUAL-BICULTURAL EDUCATION OF THE CHICANO CHILD

Course Revisions

- 319 INDIAN STUDENT IN AMERICAN EDUCATION. Change in title to read: SPECIAL PROBLEMS IN AMERICAN INDIAN EDUCATION.
- 401 SOCIAL PHILOSOPHY AND EDUCATIONAL POLICY FOR AMERICAN MINORITIES. Change title to read: EDUCATION AND AMERICAN MINORITIES.

HUMAN SERVICES

No changes.

FAIRHAVEN COLLEGE

(page 137)

No changes.

COLLEGE OF FINE AND PERFORMING ARTS

The College of Fine and Performing Arts came into being January 1, 1976. It brought together for the first time the departments of Art, Music and Theatre/Dance. The new configuration will allow Western to supply integrated training in the arts by more efficient use of resources and facilities. It will also allow Western to provide an enriched artistic atmosphere through the improvement of local performances and displays in art and the establishment of integrated programs which will broaden students' skills on the base of historical knowledge and experience.

ADMISSION

A student is admitted to the College of Fine and Performing Arts when he has been admitted to Western Washington State College and has officially declared and been accepted as a major in any one of the three departments of the college. Advisement is carried on through the department and through the office of the dean of the College of Fine and Performing Arts.

REQUIREMENTS FOR THE BACHELOR'S DEGREES

The general college requirements and the graduation requirements are the same as those found in the College of Arts and Sciences portion of the 1976-77 catalog supplement.

Interested students will find majors and minors listed alphabetically under the various departments.

DEGREES

<i>Degree</i>	<i>Department</i>
Bachelor of Arts	Art Music Theatre/Dance
Bachelor of Arts in Education	Art Music
Bachelor of Fine Arts	Art
Master of Arts	Music
Master of Education	Art Music

FOREIGN LANGUAGES AND LITERATURES

College of Arts & Sciences

(page 145)

COURSES IN FOREIGN LANGUAGES

Course Deletions

General Course 460, French 402, German 505.

Course Additions

GENERAL COURSES

497 TEACHING CULTURE IN THE FOREIGN LANGUAGE CLASSROOM (2)

Prerequisite: teaching experience. A one-time offering in the Western Workshop for Language Teachers which will introduce teachers to (1) source materials in the culture of their language, (2) different methods of transmitting cultural concepts to language learners. (Summer 1976)

FRENCH

197a,b,c ELEMENTARY FRENCH FOR COMPREHENSION AND CONVERSATION (3 ea)

A first course in French which emphasizes development of listening comprehension and speaking competence. Each course prerequisite to the next.

GERMAN

104 REFRESHER COURSE IN ELEMENTARY GERMAN (5)

Recommended for students with two years of high school German, or more if they do not qualify for German 201. A rapid review of basic skills needed for Intermediate German.

SPANISH

104 REFRESHER COURSE IN ELEMENTARY SPANISH (5)

Recommended for students with two years of high school Spanish, or more if they do not qualify for Spanish 201. A rapid review of basic skills needed for Intermediate Spanish.

397a,b,c THIRD YEAR CONVERSATION (2 ea)

Prerequisite: Spanish 203 or equivalent; may be taken concurrently with Spanish 301, 302 or 314. Conversational practice involving situations of daily life; vocabulary building. May be repeated for credit.

497a,b,c ADVANCED CONVERSATION (2 ea)

Prerequisite: Spanish 301, 302 or 397a,b, or c; may be taken concurrently with Spanish 401 or 402. Advanced conversational practice on topics reflecting current events in the Hispanic world; students give expository talks and discuss articles taken from periodicals; vocabulary building. May be repeated for credit.

597 THE BILINGUAL BICULTURAL CLASSROOM (4)

Prerequisite: experience as a teacher of Spanish or permission of instructor. Designed primarily to help Spanish teachers solve problems of teaching language and culture in the same class to dominant speakers of both English and Spanish. (Summer 1976)

Course Revisions

CHINESE

367 (Number changed from 397a) CHINESE LITERATURE IN TRANSLATION

397a See 367

FRENCH

101 (Number changed from 101a,b,c) ELEMENTARY FRENCH. Change in credits to read: (5). Change in description to read: French 101, 102, 103 to be taken in sequence. Fundamentals of understanding, speaking, reading, and writing in French.

101a,b,c see 101

102 (Number changed from 102a,b,c) ELEMENTARY FRENCH. Change in credits to read: (5). Change in description same as 101.

102a,b,c see 102

103 (Number changed from 103a,b,c) ELEMENTARY FRENCH. Change in credits to read: (5). Change in description same as 101.

103a,b,c see 103

301 ORAL EXPOSITION. Change in credits to read: (5). Change in prerequisite to read: French 202 or equivalent; may be repeated with French 203 or 314.

340 INTRODUCTION TO FRENCH LITERATURE. Change in credits to read: (5).

401 ADVANCED COMPOSITION AND GRAMMAR. Change in credits to read: (5).

GERMAN

504 APPLIED GERMAN LINGUISTICS. Change in credits to read: (4 ea). Change in description to read:
504a German Phonetics and Phonemics
504b German Morphology and Syntax

SPANISH

510 SEMINAR. Topics listed below description should read:
510a Spanish Civilization. A study of the evolution of Spanish civilization from its earliest history to the present.
510b Spanish-American Civilization. A study of Spanish-American civilization from pre-Columbian times to the present.
510c Culture of the Spanish-Speaking People of the World Through Literature

GENERAL STUDIES

College of Arts & Sciences

(page 159)

COURSES IN GENERAL STUDIES

Course Deletions

General Studies 397a, 397n, 497a

Course Additions

- 237 FOREIGN STUDY (2-5)
See General Studies 437.
- 242 MUSIC AND THE IDEAS OF WESTERN MAN (4)
The relation of the art of music to mathematics, cosmology, psychology and aesthetics.
- 332 UNIVERSAL RELIGIONS: FOUNDERS AND DISCIPLES (4)
Prerequisite: junior status. Examination of traditional images of founders of religions and quasi-religions which make universal claims; of the emergence of second-generation teaching by disciples and the subsequent growth of tradition; and of problems of cultural diffusion. Reading, lectures, discussion.
- 337 FOREIGN STUDY (2-5)
See General Studies 437.
- 432 AMERICAN FOLKLORE (4)
Prerequisite: Gen St 232 or one course in American history or American literature. American folklore in its various forms: folk tale, folk song and dance, proverb, superstition, nature lore, myth, and hero legend.
- 437 FOREIGN STUDY (2-5)
A study of humanities topics particularly appropriate to the location of the course offering. These courses are offered only through the WWSC Study Abroad program. Contact Foreign Study Office, Miller Hall 353, for information.
- 466 POPULAR CULTURE (4)
Prerequisite: History 103 or 104. Popular 19th century American ideas expressed in the arts and the sciences, and in cultural activities and ceremonies.

GEOGRAPHY AND REGIONAL PLANNING

College of Arts & Sciences

(page 163)

BACHELOR OF ARTS

Major--Geography 73 credits (revised)

- Geography 201, 203, 207, 301, 351, 453 or 454, and 486
- Two courses from Geography 310, 311, 312, 314, 315, 316, 318, 319, 320, 321, 322, 485
- One course from Geography 330, 331, 422, 423, 424, 426
- Two courses from Geography 341, 345, 346, 348, 352, 353, 407, 408, 409, 421, 430, 440, 442, 444, 451, 452
- Supporting course: Mathematics 240
- Electives under departmental advisement

BACHELOR OF ARTS IN EDUCATION

Major Elementary 45 credits (revised)

- Geography 201, 203, 251, 310, 421, 460
- Five credits from Geography 311, 312, 314, 315, 316, 318, 319, 320, 321, 322, 485
- One course from Geography 330, 331, 351, 353, 422, 423, 424, 426, 453
- One course from Geography 207, 301, 341, 345, 346, 348, 430, 440, 442, 486
- Electives
- All selections are to be made under departmental advisement

Major Secondary 45 credits (revised)

- Geography 201, 203, 207, 251, 460
- Five credits from Geography 310, 311, 312, 314, 315, 316, 318, 319, 320, 321, 322, 485
- One course from Geography 330, 331, 422, 423, 424, 426
- One course from Geography 341, 345, 346, 348, 407, 408, 409, 421, 430, 440, 442, 486
- One course from Geography 301, 351, 353, 453, 454
- Electives
- All selections are to be made under departmental advisement

COURSES IN GEOGRAPHY

Course Deletions

Geography 435, 497h

Course Additions

345 HISTORICAL GEOGRAPHY OF THE UNITED STATES (3)

Prerequisite: Geog 311 or course in American history. Past geographies of the United States since 1776, and analysis of geographical change through time of selected regions of the country.

346 HISTORICAL GEOGRAPHY OF CANADA (3)

Prerequisite: Geog 311 or course in Canadian history. Analysis of Canada's changing geographical patterns in the 19th and 20th centuries.

397a U.S.A. 1976 (3)

Prerequisite: Geog 201. A Bicentennial Year analysis of resources, environment and potential of the United States. Geographic themes will emphasize contemporary economic, social and environmental problems. (Summer 1976)

432 PLANNING PRACTICUM (6-12)

Prerequisites: Completion of two-thirds of major requirements *and* permission of instructor. Participation in aspects of community development and planning under professional and academic supervision.

497j TEACHING THE DEVELOPING WORLD (3)

Prerequisite: Geog 201 or Geog 207. Resource materials and strategies for teaching the geography of the developing world: Asia, Africa and Latin America. (Summer 1976)

497k WHATCOM COUNTY: SHORE AND NEARSHORE MARINE RESOURCES (2)

An exploration of the physical and biological components of Whatcom County's marine shore and nearshore, the formation and erosion of beaches, bays and spits, and the impact of developments on the shoreline. (Summer 1976)

497m COLONIAL LANDSCAPES (3)

Prerequisite: Geog 201 or Geog 311 or course in American colonial history. Land and resources of the Eastern Seaboard of British and French North America during the 17th and 18th centuries. Rural and urban settlement. Economic activities and development. (Summer 1976)

531 ADVANCED SEMINAR IN PHYSICAL GEOGRAPHY (5)

Prerequisite: Geog 521. Advanced topics in physical geography.

532 ADVANCED SEMINAR IN HUMAN GEOGRAPHY (5)

Prerequisite: Geog 522. Advanced topics in human geography.

Course Revisions

348 (Number changed from 470) POLITICAL GEOGRAPHY. Change in credits to read: (3).

421 CONSERVATION OF NATURAL RESOURCES. Change in title to read: NATURAL RESOURCES MANAGEMENT.

470 See 348.

521 SEMINAR IN PHYSICAL GEOGRAPHY. Change in title to read: SEMINAR IN GENERAL PHYSICAL GEOGRAPHY. Change in description to read: Topics in general physical geography.

522 SEMINAR IN HUMAN GEOGRAPHY. Change in title to read: SEMINAR IN GENERAL HUMAN GEOGRAPHY. Change in description to read: Topics in general human geography.

590 (Number changed from 601) GRADUATE COLLOQUIUM (2)

601 See 590.

690 THESIS. Change in credits to read: (6).

URBAN AND REGIONAL PLANNING

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BACHELOR OF ARTS

Major Concentration 105 credits (revised)

Specified Requirements—Planning Core Areas

- Economics 202, 482
- Geography 201, 341, 351, 430, 454
- Huxley 436, 480
- Mathematics 240 or equivalent
- Political Science 250, 353, 421 or 455
- Sociology 202, 340
- Computer Science 110

Electives—From the alternate requirements above or from the following to complete 105 credits:

- Business Administration 408
- Economics 410, 415
- English 354
- Geography 207, 215, 310, 311, 331, 352, 353, 372, 407, 408, 409, 421, 422, 426, 432, 440, 442, 452, 453
- Health Education 447
- History 466
- Home Economics 175, 370
- Huxley 411, 412, 413, 482
- Mathematics 220
- Political Science 320, 450
- Recreation & Park Management 321, 322, 372, 451
- Sociology 310, 321, 365, 415
- Anthropology 431
- Technology 210, 240, 313

It is recommended that the student concentrate his electives in either economics, geography, political science or sociology/anthropology.

Students who have satisfactorily completed two-thirds of the major requirements and who can satisfy the advisory committee that they are capable of benefiting from the experience, may receive up to 12 hours of electives by taking employment or offering as a volunteer in any established public planning agency.

GEOLOGY

College of Arts & Sciences

(page 171)

BACHELOR OF SCIENCE

Environmental Geology

Major Concentration 110 credits (revised)

Core Program (Required Courses)

- Geology 211, 212, 214, 304 or 305, 306, 407 or 418 and 420, 310, 316, 317, 352, 410, 400
- Chemistry 121, 122, 123
- Physics 131, 132, 133; or 231, 331, 332
- Math 121, 220, and one of the following: Computer Science 110, 210, Math 240; or Math 121, 122, 222
- Huxley 301
- Credits under advisement from the following Environmental Emphases courses to total 110; care should be taken to avoid duplication of courses among different disciplines

Environmental Emphases

- (a) Physical Environment Surface Processes
 - Geology 314, 340, 416, 430, 440, 454
 - Biology 325, 402, 405, 406
 - Chemistry 208, 209, 251, 383
 - Physics 301, 302, 311, 321
 - Geography 203, 331
- (b) Natural Resources
 - Geology 319, 320, 360, 418, 420, 454
 - Biology 307, 406
 - Chemistry 208, 209
 - Geography 207, 408, 421, 422
- (c) Analytical
 - Geology 418, 420, 423, 424, 425, 444, 446, 460, 461
 - Chemistry 208, 209, 251, 301, 317, 333, 351, 352, 354, 371, 383, 471, 472, 473
 - Biology 208, 340, 408
 - Physics 155, 301, 302, 311
- (d) Marine and Fresh Water Resources
 - Geology 340, 416, 418, 420, 424, 426, 436, 444, 446
 - Biology 205, 325, 402, 403, 404, 405, 406, 461
 - Physics 301, 302

COURSES IN GEOLOGY

Course Additions

497a GRAND CANYON GEOLOGY (6)

An overview of the regional geology of the western United States, and a detailed study of the area of the Grand Canyon of the Colorado River. Included is a 10-day raft trip through the inner gorge of the Grand Canyon. (Summer 1976)

497b GEOLOGICAL COASTAL ENVIRONMENT ASSESSMENT (3)

Intensive introduction of geologic factors needed to evaluate environmental impact. Study of a natural area which is a potential municipal sewage outfall site. Basic principles of marine ecology, including natural history, oceanography, coastal geology. Laboratory and field work including sampling and analysis of geological oceanographic methods and shoreline management. (Summer 1976)

Course Revisions

- 411 (Number changed from 497a) **GEOLOGY OF ALPINE AREAS**. Change prerequisite to read: Geology 211 or equivalent; must be taken concurrently with Biol 453a as part of the Alpine Institute. Change description to read: The geology of alpine areas in the Pacific Northwest. (Summer only, as part of the Alpine Institute.)

HISTORY

College of Arts & Sciences

(page 179)

DEPARTMENTAL HONORS *(revised)*

A history major may petition for entrance into the History Departmental Honors Program after completion of 25 credits in history with a GPA of 3.5 or above, and must thereafter maintain at least a 3.5 GPA in history courses to remain a member in good standing of the program.

In addition to fulfilling successfully all regular requirements in either the Bachelor of Arts or Bachelor of Arts in Education programs (including History 301 and 401), an honors student must (a) complete one of the following courses as part of his or her major: History 493, 494, or 495; and (b) complete a departmental honors essay through registration in History 402 by the winter quarter of his or her senior year. This honors essay may also count as the senior honors thesis for those doing general college honors. It should be treated

as an extension and deepening of the essay written in History 401 and should be written under the direction of the history faculty member who supervised the student's History 401 essay. Each essay must be approved by a committee of four faculty members, one of whom must be the departmental honors adviser and another of whom must be the student's 401-402 supervisor. The non-mandated members of the committee are to be nominated by the student, and one of them may be from another department than history.

COURSES IN HISTORY

Course Additions

- 362 **BLACK HISTORY IN THE AMERICAS SINCE EMANCIPATION (5)**
Prerequisite: History 361, 454, 467 or an introductory level course in American or Latin American history. The culture and achievements of blacks in the Americas since emancipation. Emphasis on black history in the United States since 1865, with comparisons to blacks in the Caribbean and Brazil since emancipation.
- 387 **HISTORY OF THE JEWS (5)**
Prerequisite: one of the following—History 105, 106, 107, 287, or Gen St 121, 122, 123, or any upper-division European or Middle Eastern history course. An analysis of Jewish history and culture in medieval and modern Europe and in the classical and modern Middle East culminating in the development of the Jewish state in the Middle East.
- 390e **THE TWO WORLD WARS: THEIR IMPACT ON THE TWENTIETH CENTURY (2)**
Prerequisite: junior standing. This workshop is designed to familiarize the student with the importance of the two world conflicts, the peace settlements following them, and the enormous changes these wars have produced on this century. (Summer 1976)
- 390f **HISTORY: A PROBLEM OF REVITALIZATION (2)**
Prerequisite: teaching experience. This workshop is an intensive experience focusing upon the analysis of present materials and techniques with the goal of revitalizing the teaching of history. (Summer 1976)
- 390g **WORKSHOP IN GENEALOGY AND FAMILY HISTORY (2)**
An introduction to archival research in 19th and 20th century records in the United States for the genealogist and family historian. (Summer 1976)

390j PERSPECTIVES ON THE BICENTENNIAL: THE AMERICAN REVOLUTION AS A PROBLEM IN IMPERIAL AFFAIRS (2)

Prerequisite: junior status or equivalent. A one-week workshop designed to broaden the student's understanding of the American Revolution and the more general problem of the relations between colonies and colonial rulers. (Summer 1976)

390k THE SMALL MUSEUM AND DOCUMENTATION: A BICENTENNIAL WORKSHOP (2)

An introduction to recent interpretations of Pacific Northwest history and its vital links to the American past. This will include presentation of theories and techniques of museum documentation and will be accompanied by actual demonstrations. (Summer 1976)

402 HISTORY DEPARTMENTAL HONORS ESSAY (3)

Prerequisite: open to history honors students only.

493 HISTORY OF EUROPEAN HISTORIOGRAPHY (4)

Prerequisite: open only to upperclassmen or fifth-year students who are majors or minors in history, with permission of the instructor. A survey of the work of the major historians of the ancient west and modern Europe, their varying styles of writing and differing patterns of interpretation, reflecting changing climates of opinion.

Course Revisions

277 (Number changed from 377) CANADA. Prerequisite deleted.

361 BLACK HISTORY IN AMERICA. Change in title to read: BLACK HISTORY IN THE AMERICAS: THE SLAVERY ERA. Prerequisite to read: An introductory level course to African, American, or Latin American history. Change in description to read: Africans in bondage in the Americas; African heritage of blacks in the Americas, slavery in Africa and the Americas, with emphasis on the United States, the Caribbean, and Brazil.

377 See 277.

411 GREECE TO 404 B.C. Change in credits to read (5).

413 THE ROMAN REPUBLIC. Change in credits to read: (5).

494 HISTORY OF AMERICAN HISTORIOGRAPHY. Change in description to read: A survey of the major historians of the American past and their varying styles of writing and differing patterns of interpretation, reflecting changing climates of opinion. Change in prerequisite to read: open only to upperclassmen or fifth-year students who are majors or minors in history, with permission of the instructor.

495 PHILOSOPHICAL PROBLEMS OF HISTORY. Change in description to read: Selected readings in European philosophies of history and their contributions to the development of the modern historical consciousness as reflected in modern historical writings and analyses. Prerequisite to read: open only to juniors and seniors.

571a,b CANADA. Change in prerequisite to read: History 277 or equivalent, or permission of the department.

HOME ECONOMICS

College of Arts & Sciences

(page 189)

BACHELOR OF ARTS IN EDUCATION

Major: Child Development and Family Relationships 45 credits (revised)

Core Requirements: 27-30 credits from the following courses with approval of adviser

- Home Economics 120, 150
- Home Economics 224
- Home Economics 320; 327 or 427; 417d; 417f; 420; 421; 422; 423; 424; 426

Home Economics Elective Requirements: 15-18 credits

- Home economics courses selected under departmental advisement

(This major to be combined with Elementary Teaching minor. See Education Department listing for details.)

Minor: Child Development and Family Relationships 25 credits (revised)

- Home economics courses selected under departmental advisement. Preliminary consultation is essential before undertaking a minor.

(This minor to be combined with Special Education major or Early Childhood Education specialization.)

COURSES IN HOME ECONOMICS

Course Deletions

Home Economics 321

Course Additions

- 417f ADMINISTRATION OF PRE-SCHOOL PROGRAMS (2)
Prerequisites: Home Econ 420 and 422 or equivalent. This workshop will provide additional training for child development specialists, teachers and administrators of nursery schools, day care centers, etc.
- 445c CONSUMER EDUCATION INTERDISCIPLINARY WORKSHOP (3)
Prerequisite: current teaching in secondary schools. A special workshop designed to increase background knowledge in consumer education and develop an interdisciplinary curriculum in preparation for team teaching of consumer education at the secondary level during the following school year. (Summer)
- 445d METRICS FOR THE CONSUMER (2)
Consumerism and the effective use of metric units. (Summer 1976)
- 497a CREATIVITY WITH TEXTILES (2)
Opportunity for exploring creative uses of textiles for clothing and home furnishings. (Summer 1976)
- 497b AMERICANA FOODS (2)
A study of food patterns in various USA regions with emphasis on the influence of foreign cuisine on geographical and environmental peculiarities. (Summer 1976)
- 497c NUTRITION IN ACTION (2)
Awareness of the importance of nutrition as a dynamic force for growth and development of individuals with special emphasis on prenatal, preschool and school-age children and handicapped groups; the influence of nutrition on learning, behavior, and genetic potential; identification of handicapped children; application of current concepts and research. (Summer 1976)
- 497d EARLY AMERICAN FOODS (2)
Selection, preparation and preservation of Early American foods. Emphasis on ethnic and cultural food habits. (Summer 1976)
- 497e IMPLEMENTING MIDDLE-SCHOOL GUIDELINES IN HOME ECONOMICS (2)
Prerequisite: student teaching or home economics teaching experience, and permission of department. Orientation to the implementing of the State of Washington home economics middle school curriculum guidelines. (Summer 1976)
- 497f CREATIVITY AND CHILDREN (2)
A workshop to develop awareness of the meaning of creativity and its early manifestations, including an exploration of conditions in the environment of children that foster or hinder creativity. (Summer 1976)
- 497g GENERATIONS IN ACTION (2)
An examination of inter-generational contact designed as an effort to help bridge the generation gap. (Summer 1976)

- 497h FAMILY ECONOMICS: WOMEN'S PERSPECTIVE (2)
A workshop to provide an historical and contemporary overview of the relationship between women and economics within the context of the family. (Summer 1976)
- 497j SEMINAR IN INFANT DEVELOPMENT (3)
Prerequisite: five credits in child development or psychology. Critical analysis of issues in infant development; consideration of recent development of theories and research issues in infant development.

Course Revisions

- 120 THE PRE-SCHOOL CHILD IN THE FAMILY. Change in credits to read: (3). Change in description to read: Intellectual, physical, social and emotional development of the child from conception through age five, with emphasis upon relationships of the child in the family.
- 164 TEXTILES FOR THE CONSUMER. Change in description to read: Comparative properties of textile fibers and fabrics. Emphasis on use, care, and economics of natural and synthetic textiles.
- 166 CLOTHING DESIGN AND SELECTION. Change in prerequisites to read: Home Econ 101 or Art 270 with Home Econ 164 recommended; not open to home economics majors with five credits in Home Econ 260.
- 320 CHILD DEVELOPMENT. Change in title to read: THE SCHOOL-AGE CHILD IN THE FAMILY. Change in prerequisite to read: Home Econ 120, Gen St 105 or equivalents. Change in description to read: Intellectual, physical, social and emotional development of the child (6-18) with emphasis upon relationships of the child in the family.
- 334 CONSUMER ECONOMICS. Change in title to read: CONSUMER ISSUES. Change in credits to read: (3).
- 364 TEXTILES FOR HOME FURNISHINGS. Change in description to read: Decorative and functional textiles for the home, with emphasis on construction, finishes, economics, durability, use and care.
- 422 NURSERY EDUCATION. Prerequisite to read: Prerequisite for students seeking teacher certification only: Ed 431. Description to read: Recommended prior to or concurrently with Home Econ 420. Development of curriculum for nursery school age children emphasizing experiences that develop language and physical coordination, inquiry and creativity. (Also offered as Ed 432.)
- 477 FIELD EXPERIENCE IN INTERIOR DESIGN. Change in prerequisite to read: Home Econ 478, senior status and 60 credits in prescribed Housing, Furnishings, Equipment emphasis.

HUXLEY COLLEGE OF ENVIRONMENTAL STUDIES

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ACADEMIC PROGRAM

General Education Requirement

Core Courses (10 credit hours required) *(revised)*

These courses are designed to give all students a common background in environmental concepts essential for comprehension of man, his natural and social environment, and his reliance and influence on the environment.

Courses in biology and chemistry are recommended as prerequisite to these core courses.

- Huxley 304 Man, Society and Environment I (5)
- Huxley 305 Man, Society and Environment II (5)

I Applied Ecology & Environmental Science

Students electing concentrations in this group will focus primarily upon the scientific and technological dimensions of environmental studies.

Ecosystems Analysis (67 credit hours) *(revised)*

Recommended preparation: One year of biology, courses in statistics and organic chemistry; or biology, statistics and one year of geography, sociology, economics or mathematics.

Concentration Requirements (43 credit hours)

- Hux 330a, 330b Applied Ecology (5)
- Hux 331a, 331b Population Dynamics I (5)
- Hux 350a,b Introduction to Environmental Pollution (5)

- Hux 365 Energy and Energy Resources (4), or Hux 450 Environmental Biochemistry (4)
- Hux 422 Pollution and Marine Analysis (5)
- Hux 435 Ecological Systems Analysis (4)
- Hux 436 Environmental Impact Studies (4)
- Hux 465 Systems Analysis (4)
- Hux 485 Resource Management (4)

Electives (24 credits hours, under advisement)

- Hux 311 Introduction to Environmental Planning (4)
- Hux 321a Oceanography and Marine Resources (4)
- Hux 322 Marine Resources (4)
- Hux 352 Nutrition I (4)
- Hux 361 Water Pollution (4)
- Hux 362 Air Pollution (4)
- Hux 423 Techniques of Marine Analysis (4)
- Hux 431 Population Dynamics II (4)
- Hux 451 Pollutants and Health (3)
- Hux 452 Nutrition II (4)
- Hux 466 Natural Systems Simulation (4)
- Hux 485 Resource Management (4)
- Or a sequence of upper-division courses in biology, mathematics, geography, geology or other departmental offerings

Environmental Health *(revised)*

Common Requirements (66 credit hours)

- Hux 350a,b Introduction to Environmental Pollution (5)
- Hux 352a,b Nutrition I (6)
- Hux 497a Community Environmental Health Administration (1)
- Biol 345 Fundamentals of Microbiology (5)
- Biol 348-9 Human Anatomy and Physiology (10)

Option A- General Environmental Health Program (31 credit hours)

- Hux 330a,b Applied Ecology (5), or Hux 422 Pollution and Marine Analysis (5)
- Hux 361 Water Pollution (4)
- Hux 362 Air Pollution (4)
- Hux 450 Environmental Biochemistry (4)
- Hux 451 Environmental Biochemistry Lab (2)
- Hux 497b Field Practice in Environmental Health (1)
- Chem 351-3 Organic Chemistry (11)

Option B Food and Nutrition Program (31 credit hours)

- Hux 335 Human Ecology (4)
- Hux 351 Food, Hunger and Malnutrition (4)
- Hux 400 Independent Studies on Food and Nutrition (5)
- Hux 432 Cultural Ecology (4)
- Hux 452 Nutrition II (4)
- Chem 251 Elementary Organic Chemistry (5)
- Home Econ 250 Human Nutrition Laboratory (2)
- Home Econ 450 Child Nutrition (3)

Concentration Electives (8 credit hours)

- Electives selected under advisement

Marine Resources (72 credit hours) (revised)

Common Requirements (27 credit hours)

- Hux 321a,b Oceanography and Marine Resources (5)
- Hux 330a,b Applied Ecology (5)
- Hux 422 Pollution and Marine Analysis (5)
- Hux 423 Techniques of Marine Analysis (4)
- Biol 361 Biology of Commercially Important Marine Species (5)
- Geol 340 Geological Oceanography (3)

Option A - Assessment and Impact Process

- Hux 311 Introduction to Environmental Planning (4)
- Hux 350a,b Introduction to Environmental Pollution (5)
- Hux 361 Biology of Commercially Important Marine Species (5)
- Hux 436 Environmental Impact Statements (4)
- Hux 331 Population Dynamics (5)
- Hux 365 Systems Energetics (4)
- Hux 435 Ecosystems Analysis and Modeling (4)
- Hux 483 Resource Economics (4)
- Hux 485 Resource Management (4)
- Biol 456 Algae (5)
- Biol 461 Marine Invertebrate Zoology (5)

Option B Marine Biology

- Biol 460 Invertebrate Zoology (5)
- Biol 403 Algae (5)
- Biol 461 Marine Invertebrate Zoology (5)
- Biol 403 Physiological Ecology (5)
- Chem 351,2,3 Organic Chemistry (11)

Concentration Electives, to total 72 hours

- Electives chosen under advisement

II Education and Human Ecology

Environmental Education (revised)

Concentration Requirements

- Environmental Education Courses (select four)
 - Hux 370 Environmental Psychology (4)
 - Hux 371 Education as an Environmental Process (4)
 - Hux 377 Alternative Futures (4)
 - Hux 417 The Community Process (4)
 - Hux 470 Environmental Ethics (4)
 - Hux 472 Environmental Education Curriculum (4)
 - Hux 473 Environmental Interpretation (4)

Electives in Specialization

- To vary with option

Option A (87 credits)

1. Four of the following:
 - Hux 370 Environmental Psychology (4)
 - Hux 371 Education as an Environmental Process (4)
 - Hux 377 Alternative Futures (4)
 - Hux 470 Environmental Ethics (4)
 - Hux 472 Environmental Education Curriculum (4)
 - Hux 473 Environmental Interpretation (4)
2. Secondary subject concentration (35-45 credit hours) or elementary teaching minor (35 credit hours)
3. Ed 310, Psych 352 or 353 (8 credit hours);
Ed/Psych 491-492 (12 credit hours)
Ed 494 or 495 (16 credit hours)
Field-based education sequence recommended

Option B (76 credit hours minimum)

1. As in Option A (16 credit hours)
2. Coursework under advisement in the recreation program and in Huxley College (45 credit hours)
3. Hux 398-498, Problem Series or Internship (15 credit hours)

Option C (76 credit hours minimum)

1. As in A and B above (16 credit hours)
2. Coursework under advisement in education and/or communications, journalism and/or media technology (45 credit hours)
3. Hux 398-498, Problem Series or Internship (15 credit hours)

Human Ecology (52 credit hours) (*revised*)

Recommended preparation: Courses in biology, anthropology, sociology and history.

Concentration Requirements (44 credit hours)

- Hux 311 Introduction to Environmental Planning (4)
- Hux 331a, 331b Population Dynamics I (5)
- Hux 335 Human Ecology (4)
- Hux 370 Environmental Psychology (4)
- Hux 377 Alternative Futures (4)
- Hux 383 Environmental Economics (4)
- Hux 431 Human Population Dynamics II (4)
- Hux 432 Cultural Ecology (4)
- Hux 434 The Human Environment; Myth and Magic (4)
- Biol 370 Human Genetics (4)
- Math 240 Introduction to Statistics (3)

Concentration Electives (12 credit hours, selected under advisement)

- Hux 301 Challenge of Survival (4)
- Hux 330a, 330b Applied Ecology (5)
- Hux 350a Introduction to Environmental Pollution (3)
- Hux 351 Food, Hunger and Malnutrition (3)
- Geog 341 Urban Geography (5)
- Anth 310 Rise of Civilization (5)
- Hist 346 Technology and Society in Early European History (5)
- Tech 391 Man and Technology (3)
- Biol 348, 349 Human Anatomy and Physiology (5 each)
- Hux 430 Environment and Politics I (4)

Environmental Administration (*delete*)

Environmental Policy and Administration
(60 credit hours) (*new*)

This concentration combines a study of environmental problems with a study of the theory and practice of policy formulation and administration. Current environmental legislation and the methods by which it is enforced and administered are dealt with, in both a national and an international context. There is also a focus on non-traditional and innovative methods of policy formulation, in recognition of the increasing pressure of environmental constraints.

The program has sufficient latitude that the student may carry a minor in related areas such as economics or public administration. This concentration, with the appropriate electives, also qualifies the student for further study in law, business administration, or public administration.

Internships are available to satisfy the problem series requirement for this concentration.

The student in this concentration is required to complete 60 credit hours from the three areas below, with a minimum of 14 credit hours in each area. Core course, problem series and seminar requirements must also be met, as should any prerequisites for the courses listed below.

Area 1—Existing Policy Forming and Administrative Methods

- Hux 497c Evolution of Administrative Theory and Practice: Environmental Aspects (4)
- Hux 430 Environment and Politics I (4)
- Pol Sci 320 Introduction to Public Administration (5)
- Pol Sci 353 State and Local Political Systems (5)
- Pol Sci 424 Theory of Public Organizations (5)
- Soc 440 Sociology of Organizations (3)
- Bus Admin 401 Organizational Behavior (4)

Area 2—Policy, Administration and Environmental Challenges: Problems and Innovative Trends

- Hux 497d Policy as Reconciling Natural and Technical Systems (4)
- Hux 497e Problems of Environmental Policy Implementation (4)
- Pol Sci 372 Political Change, An Introduction to Political Development (5)

- Hux 311 Introduction to Environmental Planning (4)
- Hux 383 Environmental Economics (4)
- Hux 433 Environment and Politics II (4)

Area 3 Supporting Courses

- Hux 436 Environmental Impact Statements (6)
- Hux 483 Resource Economics (4)
- Hux/Pol Sci 467 Politics, Transformation and Environmental Constraint (5)
- Po Sci 427 Policy Making and Political Analysis (5)
- Soc 422 Seminar in Social Ecology (3)
- Econ 461 International Economics (5)

COURSES IN HUXLEY COLLEGE

Course Additions

- 473 ENVIRONMENTAL INTERPRETATION, S (4)
A field-oriented course in methods, techniques and design of environmental education programs. Natural, historical and cultural systems are interpreted.
- 474 OUTDOOR RECREATION AS PHYSICAL EDUCATION (3)
An examination of outdoor recreation and ways in which it can contribute to the physical education of people of all ages. (See also PE 497a.)
- 479b STUDIES IN WILDERNESS AND WILDERNESS EDUCATION (3)
This workshop is designed to provide students of environmental education with knowledge of how to use wilderness environments to accomplish environmental education objectives. (Summer)
- 497c EVOLUTION OF ADMINISTRATIVE THEORY AND PRACTICE: ENVIRONMENTAL ASPECTS, S (4)
The historical development of administrative theory and practice with special reference to the formulation and implementation of environmental policy. Prerequisite: a course in American government, Hux 304, 305, or permission of instructor.
- 497d POLICY AS RECONCILING NATURAL AND ARTIFICIAL SYSTEMS, F (4)
Environmental problems as the result of mismatch between natural and artificial systems. The danger of ultimate conflict between comprehensive systems and policy imperatives for avoiding it. Policy implications of the earth seen as a closed natural system. Prerequisites: Hux 304, 305 or permission of instructor.

497e PROBLEMS OF ENVIRONMENTAL POLICY FORMULATION AND IMPLEMENTATION, W (4)

Incrementalism and fragmentation as obstacles to the formulation and implementation of environmental policy. The political task of developing institutions able to achieve environmental objectives. Prerequisite: Hux 304, 305 or permission of instructor.

Course Revisions

- 352 (Number changed to 352a,b) Change in title, prerequisite and credits to read:
352a NUTRITION I (4)
352b NUTRITION I LABORATORY (2). Prerequisite: Biol 120, Chem 115. Students should register concurrently for Hux 352a.
- 422 POLLUTION AND MARINE ECOLOGY. Change in title to read: POLLUTION AND MARINE ANALYSIS.
- 431 POPULATION DYNAMICS II. Change in title to read: HUMAN POPULATION DYNAMICS II.
- 434 AMERICAN INDIAN ENVIRONMENTAL CONCEPTS. Change in title to read: THE HUMAN ENVIRONMENT: MYTH AND MAGIC. Change in description to read: This course explores the human psyche and its relationships with the natural environment. Forms of knowledge will also be examined (logical positivism, intuition, vision, dreams, shamanic practices, consensual validation, and other forms). As will the individual's ethical responsibilities toward individual precepts. Throughout the course, culture-bound forms of perception will be discussed.
- 450 ENVIRONMENTAL BIOCHEMISTRY. Change in credits to read: (4). Change in description to read: Transformation of carbon, nitrogen, phosphorus, sulfur, and certain trace elements in soil, water, atmosphere and biological systems; biochemical effect of environmental pollutants.
- 451 POLLUTANTS AND HEALTH. Change in title to read: ENVIRONMENTAL BIOCHEMISTRY LAB. Change in credits to read: (2). Change in description to read: Experimental techniques in the analysis of pollutants in tissues. Change in prerequisite to read: concurrent registration in Huxley 450 or permission of instructor.
- 513 ENVIRONMENTAL ANALYSIS FOR LAND USE PLANNING. Change in description to read: This course is designed to give the student practical experience in the application of analytical environmental methodologies for identifying land use determinants. Students will examine the parameters of the functional processes of the natural systems and utilize such data in the developing models for land use planning. Applying their models through automated data retrieval equipment, the students will test land use proposals in terms of resource suitability and impact. This class will be conducted as a planning studio, with students working in small groups. Access will be provided to a digitizer for the purpose of automating data.

INTERDEPARTMENTAL PROGRAMS

College of Arts & Sciences

(page 217)

AMERICAN STUDIES

Individualized Program of Study

The American Character (new)—The role of ideas, institutions and events in shaping the character of American culture and society. Selected courses in social and intellectual history, literature, sociology, anthropology, psychology and political science, as they bear on the study of American national character and American self-understanding.

CANADIAN-AMERICAN STUDIES PROGRAM

Minor 30 credits (revised)

The minor is applicable to either the bachelor of arts or bachelor of arts in education degree. For descriptions of the individual courses, see course listings in the General Catalog under individual departmental listings.

- Geography 311; History 377; Political Science 406
- Remaining credits to be selected from: Education 414; English 397c; Geography 312, 435; History 477; Political Science 301, 406, 417h, 480; Speech 483; Canadian-American Studies 497a; and approved independent study courses in selected departments. Independent study credit will constitute no more than five (5) out of the total thirty (30) credits required.

The following courses, while not applicable to the minor, should prove of interest to the student and are recommended: Geography 310; Education 445a; Anthropology 462; and recommended courses in the French language.

EAST ASIAN STUDIES

Course Revision

310 MONGOLIA AND THE MONGOLS. Change prerequisite to read: East Asian 301 or 302 or 303 recommended.

GENERAL SCIENCE

No changes.

HONORS PROGRAM

No changes.

INDUSTRIAL DESIGN

No changes.

LATIN AMERICAN STUDIES

No changes.

LINGUISTICS

No changes.

PHYSICAL SCIENCE

No changes.

RECREATION & PARK MANAGEMENT

BACHELOR OF ARTS

Major Concentration 65 credits (revised)

- Basic Core: RPM 171
- Phase I: RPM 271, 272, 273, 275; Hux 301
- Phase II: RPM 371, 373, 374, 375; Hux 377
- Phase III: RPM 471
- Phase IV: RPM 450, 472, 475; Hux 371

COURSES IN RECREATION & PARK MANAGEMENT

Course Deletions

RPM 274

Course Additions

- 275 **PROFESSIONAL PRACTICUM (2)**
Program observation and participation in a variety of community agencies providing leisure services.
- 497a **AMERICAN EVOLUTION OF PLAY (3)**
An analysis and comparison of play as it has evolved in the U.S. since 1776. The course will deal with play in relation to historic periods and corresponding social development in different geographic areas. A look at the Colonial period, plantations, the frontiers, cow towns and on through the new technology of American recreation.
- 497b **WORKSHOP IN SCHOOL COMMUNITY PHYSICAL EDUCATION AND RECREATION (2)**
The workshop is designed for teachers and community leaders who have responsibility for providing broad programs of P.E. and recreation using both school and community programs and facilities. The workshop includes an analysis of community structure and recreation needs, teacher preparation in conduct of leisure education programs in the school and discussion of the community school concept as it relates to P.E. and recreation.

Course Revisions

- 271 **COMMUNITY LEISURE SERVICES.** Change in credits to read: (4).

SCIENCE EDUCATION

Course Revisions

- 430 **ENVIRONMENTAL EDUCATION.** Change in prerequisite to read: Sci Ed 380 or Biol 493 or Phys Sci 492 or Geol 390; teaching experience or permission of instructor. Change in description to read: Methods of teaching environmental science in selected content areas with related examination of environmental problems.

- 445 **CURRENT TRENDS IN SCIENCE EDUCATION**
445a Classroom Methods. Prerequisite to read: Sci Ed 380 or equivalent; teaching experience or permission of instructor. Description to read: Activity-centered approach to a study of modern science curriculum materials and activities for use in elementary and junior high classes.

SOCIAL STUDIES EDUCATION

Course Additions

- 497b **CURRENT ISSUES AND THE ELEMENTARY SOCIAL STUDIES CLASSROOM (3)**
A course designed to identify resources and methods for integrating current social issues into the content areas of social studies with special emphasis on the valuing process and the influence of the television media on values and behavior. (Summer 1976)

VISUAL COMMUNICATION EDUCATION (VICOED)

VICOED students will follow the usual general education sequence, but should take Mathematics 121 or 240 or Computer Science 110 in lieu of 151, and Chemistry 115 rather than 101. Physics 101 will normally be taken.

VICOED Concentration 110 credits (revised)

- Art 101, 270, 371, Art History 240
- English 201 or 202 or Journalism 104
- Speech 340
- Technology 210, 240, 340, 341, 362, 379, 447, 448
- Take 19 credits from two of the following areas; maximum of 9-10 from one area:
 - Industrial Graphics (Technology)
 - Graphics Arts (Technology)
 - Photography (Technology)
 - Graphic Design (Art and Technology)
 - Professional Writing (English and Journalism)
 - Educational Media (Education and Technology)

WOMEN'S STUDIES

No changes.

MATH/COMPUTER SCIENCE

College of Arts & Sciences

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COURSES IN MATHEMATICS

Course Additions

380a THE WHOLE NUMBER SYSTEM (3)

Discussion of the content of elementary school mathematics, with special emphasis on the mathematics taught in grades K-3. Discussion of methods of instruction as well. Intended mainly for elementary school teachers. Offered only through the Center for Continuing Education.

380b THE RATIONAL NUMBER SYSTEM IN ELEMENTARY INSTRUCTION I (3)

For certified teachers only. Discussion of the content of elementary school mathematics, with special emphasis on the mathematics taught in grades 2-6. Discussion of methods of instruction as well. Intended mainly for elementary school teachers. Offered only through the Center for Continuing Education.

380c THE RATIONAL NUMBER SYSTEM IN ELEMENTARY INSTRUCTION II (3)

Prerequisite: Math 380b. For certified teachers only. Discussion of the content of school mathematics, with special emphasis on the mathematics taught in grades 4-8. Discussion of methods of instruction as well. Intended mainly for teachers of grades K-8. Offered only through the Center for Continuing Education.

497d EXPERIENCES IN THE MATHEMATICS LABORATORY (3)

Prerequisite: one year of teaching experience and currently teaching mathematics. Each participant develops materials and experiences for use in the mathematics laboratory approach in his own teaching.

Course Revisions

224 (Number changed from 328) MULTIVARIATE CALCULUS (5). Prerequisite to read: Math 223. Description to read: Vector functions and their derivatives, partial differentiation, and multiple integration, surface and line integrals, and Green's theorem.

281 THEORY OF ARITHMETIC. Change in prerequisite to read: Math 100 or successful completion of an entrance test based on the material in Math 100. Not open to students with credit in Math 301 or 307.

328 See 224.

481 MATHEMATICS IN GRADES 1 THROUGH 8. Delete from description: S/U grading.

COURSES IN COMPUTER SCIENCE

Course Deletions

Computer Science 101

Course Additions

107 BASIC PROGRAMMING (3)

Prerequisite: Math 100 or equivalent. An introduction to computer programming using the computer language BASIC. This course is intended primarily for students who wish to use the BASIC language in applications to social and physical sciences. Mathematics and computer science majors should take Computer Science 210.

397a INTRODUCTION TO CAI PROGRAMMING (5)

Prerequisites: one year of teaching experience. The rudiments of Computer-Assisted Instruction (CAI) programming including the two languages BASIC and PILOT; also the editing of CAI materials by making alterations to existing programs. Over half of the terminal time will be devoted to production of, and testing of, instructional computer programs in the student's field of interest. (Summer 1976)

483 COMPUTING IN THE SECONDARY SCHOOL (4)

Prerequisite: admission to the secondary teaching program or experience as a secondary teacher. Introduction to basic computer organization, structured programming and its application to problems suitable for secondary students. Selected topics from assembly language programming, developing a minicomputer laboratory, computer selection, and computer application. Not for Math/C.S. majors. (Summers only.)

497a SEMINAR (1)

Prerequisite: one 400-level computer science or mathematics-computer science course, or concurrent. Survey of field applications. Field trips, investigation of hardware and software products including mini- and micro-computers and their applications.

Course Revisions

125 See 217.

217 (Number changed from 125) COBOL. Change in credits to read: (3). Change in description to read: COBOL programming with emphasis on business applications using auxiliary storage.

MUSIC

College of Fine & Performing Arts

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BACHELOR OF ARTS

Professional Programs

Major--Jazz 36 credits (new)

- Entrance by audition and interview
- Arranging: 12 credits
- Improvisation: 6 credits
- Jazz Ensemble: 12 credits
- Jazz Analysis: 3 credits
- Chamber Jazz Ensemble: 3 credits
- Successful completion of jazz recital including performance and arranging

COURSES IN MUSIC

Course Additions

446 SEMINAR IN MUSIC HISTORY (3)

Prerequisite: Music 342-343. The student in consultation with the instructor will select one or more given musical developments for individual research. On-going results of this research will be shared with other members of the seminar. Focus of the course will vary from quarter to quarter. Course may be repeated for credit.

497a JAZZ WORKSHOP (2)

The workshop will emphasize rehearsal techniques, contemporary styles, materials and problems associated with the development of stage bands and jazz ensembles in the public schools. Special emphasis will be placed on problems of the rhythm section. Participants will form a laboratory band and all are requested to bring their instruments. (Summer 1976)

OFFICE ADMINISTRATION AND BUSINESS EDUCATION

College of Business and Economics

(page 79)

BACHELOR OF ARTS

Minor--Business Education

25 credits *(editorial change)*

- Courses to be selected under departmental advisement

BACHELOR OF SCIENCE

Minor - Business Education (delete--editorial change)

BACHELOR OF ARTS IN EDUCATION

Major Business Education Secondary
50-56 credits *(revised)*

- Economics 201, BA 201
- Business Education 116*, 117 or 215, 120*, 121*, 122, 223, 241 or 242, 243, 301, 319, 421, 422, 423, 450
- Electives under departmental advisement

This major must be accompanied by the economics and business administration minor. The professional education sequence is also required.

**Courses may be waived if student demonstrates acceptable proficiency in that area.*

COURSES IN OFFICE ADMINISTRATION AND BUSINESS EDUCATION

Course Revisions

- 243 INTRODUCTION TO DATA PROCESSING. Change in description to read: Introduction to modern business data processing practices and equipment. Emphasis on the terminology and concepts of data processing systems. The impact of computerized data processing on business and society.
- 502 IMPROVEMENT OF INSTRUCTION IN SHORTHAND AND TRANSCRIPTION. Delete from description: Summer only.
- 503 PRINCIPLES AND PRACTICES IN BUSINESS EDUCATION. Delete from description: Summer only.
- 545 EVALUATION AND MEASUREMENT IN BUSINESS EDUCATION. Change in prerequisite to read: Graduate status and/or departmental permission.
- 571 METHODS AND RESEARCH IN THE TEACHING OF TYPEWRITING. Change in prerequisite to read: Graduate status and undergraduate major in business education.
- 572 IMPROVEMENT OF INSTRUCTION IN BOOK-KEEPING AND ACCOUNTING. Change in prerequisite to read: Graduate status.
- 573 IMPROVEMENT OF INSTRUCTION IN THE BASIC BUSINESS SUBJECTS. Change in prerequisite to read: Graduate status.
- 574 IMPROVEMENT OF INSTRUCTION IN THE FUNDAMENTALS OF DATA PROCESSING. Change in prerequisite to read: Graduate status and business teaching experience.

PHILOSOPHY

College of Arts & Sciences

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COURSES IN PHILOSOPHY

Course Revisions

- 107 LOGICAL THINKING. Change description to read: An aid to speaking and writing so as to reflect clear, critical, and responsive thinking, covering definition, classification, fallacies, and techniques of good argument.
- 404 SEMINAR IN PHILOSOPHY. Add to description: Course may be repeated.

PHYSICAL EDUCATION/HEALTH EDUCATION

College of Arts & Sciences

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BACHELOR OF ARTS IN EDUCATION

Physical Education Majors (revised)

Physical Education Majors: Options I, II, III

- Option I: K-12 Specialist; minimum 57 credits (supporting course: Biology 348).
- Option II: Secondary; minimum 47 credits (supporting course: Biology 348).
- Option III: Elementary; minimum 42 credits (supporting course: Biology 348).

Core Areas (revised)

Core A: Professional Activities

- 14 credits in at least 10 courses must be taken in Core A and one course must be from each of the following areas: team sports, individual and dual sports, dance, aquatics. In addition, major students (Options I, II) must show advanced proficiency, 2 credits, in intercollegiate activities, performance activities, and/or officiating. It is recommended that students take additional credits in Outdoor Pursuits (PE 155, 157, 158 or 159, 160, 161 or 164, 167, 170, 171)
- Professional Activities Courses: PE 203, 208, 209, 211, 223, 232, 234, 236, 238m, 241, 242, 244m or 244w, 245, 247, 250, 251, 254, 256
- Options I and II: 14 credits and a minimum of 10 different professional activity courses
- Option III: 8 credits and a minimum of 6 different professional activity courses

Competency above the beginning level must be established before taking courses from the professional sequence. Beginning courses in the above areas cannot be applied to the major and minor requirements.

Core E: Scientific Foundations

- Courses: PE 201, 202, 302, 303, 307, 407, 485
- Options I, II, III: 17 credits

Core C: Professional – Curriculum, Methods, Practicum

- Courses: PE 311, 313, 326, 401, 402, 411, 492
- Option I: 15-17 credits
- Option II: 8 credits
- Option III: 14-17 credits

Core D: Professional – Administration, Evaluation, Athletic Injuries, First Aid

- Courses: PE 304, 403, 404, 410, 441, 490
- Health Education 252 or 352
- Option I: 12 credits
- Option II: 8 credits
- Option III: 5 credits

Dance/Gymnastics Option: Secondary (delete)

Teaching Competence (revised)

Recommendation for teaching competence for physical education normally requires a completion of a major or an augmented minor (30 credit hours) with a minimum grade average of 2.5. Participation in intramural and/or club sport activities is encouraged for all majors and minors during four quarters of the first two years.

Minor Physical Education

Secondary 25 credits (revised)

- 12 credits from the professional activity sequence
- 8 credits selected from PE 201, 202, 302, 303, 404, 407, 485
- PE 304 or Health Ed 252 or 352, PE 307, 401

Biology 348-349 should be taken as part of the general education requirement. Concentrated study in one sport area is recommended with additional participation in activity classes and intercollegiate teams in other sports.

Minor Physical Education

Elementary 25 credits (revised)

- 7 credits: PE 209, 211, 244, 251, 256
- 8 credits: PE 201, 202, 302, 303, 307, 485
- 7-9 credits: PE 311, 326, 313, 403
- Health Ed 252 or 352
- 2-4 credits under advisement

Biology 348-349 should be taken as part of the general education requirement.

Minor-Athletic Coaching (men and women)

25-28 credits (revised)

- 6-8 credits from coaching courses: PE 380, 381, 382, 383, 384, 385, 386, 387
- PE 304, 491 and 6 credits from 302, 303, 307, 406, 410, 441
- 2 credits from officiating courses: PE 341, 342, 343, 344, 345, 346
- 3-6 credits from PE 208, 280, 411, 485, and Health Ed 252 or 352

Biology 348-349 should be taken as part of the general education requirement. Concentrated study in one sport area is recommended with additional participation in activity classes and intercollegiate teams in other sports.

Completion of the athletic coaching minor does not meet requirements for teaching competency in physical education.

Minor Health Science 25 credits (revised)

- Health Ed 352, 350, 447, 449 or 450
- Home Econ 150
- 8 credits, electives under departmental advisement

Biology 348-349 should be taken as part of the general education requirement.

Minor-Educational Dance 25 credits (revised)

- PE 122, 126, 209, 223, 326
- 16 credits under departmental advisement

Minors must plan, under departmental advisement, to take additional course work to attain teaching competency.

BACHELOR OF ARTS (MEN AND WOMEN)

Major--Physical Education 85-90 credits (revised)

85 credits, selected as follows:

- Professional activities and skill competencies: select 15 hours from professional activities PE 203-256; select 3 credits from PE 155-172
- Scientific foundations of human movements: select 25 credits from PE 201, 202, 302, 303, 307, 402, 485, 490. Biology 348-349 should be included as part of general college requirement
- Socio-cultural aspects of sports and physical education: select 20 credits from PE 309, 310, 407, 441, 491
- Specialization area: select 24-35 credits from one of the following specializations:
 - Coaching of Sports: PE 341-346; PE 380-387; PE 406, 410
 - Journalism: complete the journalism minor, see English Department section of General Catalog
 - Dance: complete dance minor
 - Recreation and Park Management Option: completion of Recreation and Park Management minor, see Interdepartmental section of General Catalog
 - Pre-Physical Therapy: see requirements listed in the Professional Transfer Programs section of General Catalog
 - Business Administration: complete the business administration minor, see Economics and Business section of General Catalog

Minor- Physical Education 24-30 credits (revised)

- 8-10 credits from professional activities PE 203-256
- 8-10 credits from scientific foundations: PE 201, 202, 302, 303, 307, 402, 485, 490
- 8-10 credits from socio-cultural aspects: PE 309, 310, 407, 441, 491

Minor Athletic Coaching (men and women) 25-28 credits (revised)

- 8 credits from coaching courses: PE 380, 381, 382, 383, 384, 385, 386, 387

- PE 304, 491 and 6 credits from PE 302, 303, 307, 406, 410, 441, 491
- 2 credits from officiating courses: PE 341, 342, 343, 344, 345, 346, 347
- 3-6 credits from PE 208, 280, 411, 485, and Health Ed 252 or 352

Minor--Dance (delete)

Minor -Health Science 25 credits (revised)

- Health Ed 350, 352, 402 or 406, 447
- Home Econ 150
- 8 credits selected under advisement
- Biology 348
- Biology 349 recommended

COURSES IN PHYSICAL EDUCATION

Course Deletions

Physical Education 166, 301, 498

Course Additions

172 CREW (1)

173 RIFLERY (1)

197~~g~~ INTERMEDIATE KARATE (1)

197~~h~~ SPORT PARACHUTING (1)

Prerequisite: Health examination. Lab fee of \$20 for persons wishing to make a jump.

337, 437 FOREIGN STUDY (2-5)

A study of physical education and/or sports programs particularly appropriate to the location of the course offering. These courses are offered only through the WWSC Study Abroad program. Contact Foreign Study Office, Miller Hall 353, for information.

397~~a~~ KAYAKING AND WHITEWATER TRAINING (2)

Prerequisite: intermediate swimming ability. This workshop will review and perfect kayaking skills and will include a run on the Rogue River. (Summer 1976)

- 497k **FOOTBALL COACHING CLINIC (2)**
This clinic is designed specifically to help students become more familiar with the current trends and techniques involved in modern-day football. (Summer 1976)
- 497p **OUTDOOR RECREATION AS PHYSICAL EDUCATION (2)**
An examination of outdoor recreation and ways in which it can contribute to the physical education of people of all ages. (See also Huxley 474.) (Summer 1976)
- 497r **COACHING SOCCER (2)**
The purpose of this workshop will be to teach the fundamental skills of coaching soccer to men, women and youth league teams. (Summer 1976)
- 497u **COMMUNITY SCHOOL RECREATION AND PHYSICAL EDUCATION PROGRAMS (2)**
This workshop is designed for teachers and community leaders who have responsibilities for providing broadened programs of physical education and recreation using both school and community programs and facilities. (Summer 1976)

Course Revisions

- 150-169 **INDIVIDUALIZED SPORTS.** Change in description to read: The student enrolling in 157, 158, 159, 160, 161, 162, 163 pays cost of transportation and individual instruction. Students in 157, 158, 159, 161, 165, 167 also furnish own equipment.
- 171 (Number changed from 197f) **KAYAKING (1)**
- 197f See 171.
- 217 **WATER SAFETY INSTRUCTOR'S COURSE.** Change prerequisite to read: current American Red Cross Lifesaving Certificate.
- 242, 245, 251, 256 Delete 'm' and 'w' from courses (the time schedule will indicate men's rules or women's rules).
- 491 **FIELD EXPERIENCE IN PHYSICAL EDUCATION ACTIVITIES.** Add to description: The course may be repeated once.

COURSES IN HEALTH EDUCATION

Course Deletions

Health Education 402

Course Additions

- 349 **CONTEMPORARY HEALTH ISSUES I (3)**
Prerequisite: junior status. Topics covered: overweight/obesity and weight control, consumer health, human sexuality and licit and illicit drugs.

- 445a **STRESS IN THE CLASSROOM (2)**
Primary focus of this workshop is on the stress that occurs in the classroom which affects the physical and mental health of the teacher and the students. (Summer 1976)
- 497e **HEALTH AGENCIES: RESOURCES AND MATERIALS (2)**
Prerequisite: teacher, health professional, health educator or permission of instructor. Health-related agencies (governmental, public and/or voluntary) educational programs, personnel and materials; their organizational structure and interrelationships in the community. (Summer 1976)

Course Revisions

- 350 **CURRENT INFORMATION IN HEALTH SCIENCE.** Change in title to read: **CONTEMPORARY HEALTH ISSUES II.** Change in credits to read: (3). Change in description to read: Topics covered: cancerous diseases, cardio-vascular and other chronic and degenerative diseases; communicable diseases, respiratory ailments, allergies and internal disorders.

PHYSICS/ASTRONOMY

College of Arts & Sciences

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COURSES IN ASTRONOMY

Course Additions

- 190 **ASTRONOMY AND RELATIVITY THEORY WORKSHOP FOR HIGH SCHOOL STUDENTS (5)**
Prerequisites: intended for, but not restricted to, students who have completed the junior year of high school; high school students must submit a letter of recommendation from a high school science or mathematics teacher. Not open to students with previous college-level credit in physics or astronomy. S/U grading. (Summer only.)
- 497b **OBSERVATIONAL ASTRONOMY (2)**
Prerequisite: 3 credits of college physics or astronomy. The workshop will provide information and materials for the construction and use of simple instruments to map the sky and determine the motions of celestial objects. The course is designed to provide the teacher with materials that, combined with proper class organization, will allow students to pursue largely self-paced observing activities. S/U grading. (Summer 1976)

Course Revisions

315 SOLAR SYSTEM ASTRONOMY. Change in credits to read: (4).

316 STELLAR ASTRONOMY. Change in credits to read: (4).

POLITICAL SCIENCE

College of Arts & Sciences

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BACHELOR OF ARTS

Major 65 credits (revised)

- Political Science 250
- Additional credits selected from not fewer than four of the areas listed below; at least 20 credits in one area; at least 10 credits in another area. No course may be counted in more than one area.

Comparative Politics: Political Science 291, 301-309, 343, 365 or 366, 372, 406, 417a, 417b, 417c, 417d, 417h, 430, 431, 432

Politics and Government: Political Science 340, 343, 345, 346, 353, 365 or 366, 417a, 423, 426, 427, 429, 440, 441, 443, 445b, 450, 455, 480, 481, 497c

Public Policy and Administration: Political Science 320, 346, 353, 365 or 366, 413, 414, 415, 417g, 420, 421, 422, 423, 424, 425, 426, 427, 429, 444a,b, 481

Public Law: Political Science 311, 313, 365 or 366, 410, 411, 413, 415

Political Theory: Political Science 360, 365, 366, 417f, 424, 460, 461, 462, 463, 464, 465, 467, 480, 481

International Relations: Political Science 270, 305, 365 or 366, 375, 376, 411, 417a, 417b, 417c, 417d, 445a, 470, 476

Major-Minor Concentration Public Policy and Administration 99 credits, minimum (revised)

Program Adviser: Dr. Maurice Foisy

The total course requirement of 99-119 credits, depending upon course options selected, satisfies both a major and a minor in political science.

- English 101 (subject to waiver, see General College Requirements) and 201 or 202 or 401
- Speech 204 or 488
- Anthropology 201 or Sociology 202
- Psychology 201, and 320 or 315
- Economics 201
- Mathematics 250 (Math 100 or qualifying exam a prerequisite)
- Accounting 251, 252, 356
- Political Science 250, 313 or 410 or 413, 320, 353, 365, 423, 427, 429, and 463
- Plus one* course from *each* of the following groups:
 - (1) Business Administration 301, 401, or Political Science 424
 - (2) Business Administration 322 (BA 301 a prerequisite), Political Science 417g or 422
 - (3) Political Science 346, 420, 421, 467, or Huxley 430, or one course from the College of Ethnic Studies
 - (4) Political Science 414, 425, 426, Economics 410 (Econ 202 or permission of instructor required), or 442 (Econ 202 or permission of instructor required)
 - (5) Political Science 440, 441, 443, 444a

Students choosing the public policy and administration concentration are encouraged to complete Math 251 and 252 as electives within their total programs.

Modifications in the above program can be made through the public policy and administration adviser for those individual students having previous credit or work experience in areas covered by the listed courses.

COURSES IN POLITICAL SCIENCE

Course Additions

445b CURRENT PROBLEMS IN AMERICAN GOVERNMENT AND POLITICS (3)

Prerequisite: upper-division standing. Discussion and assessment of current changes in the laws, institutions, policies and political processes of American government. Issues and problems, drawn from scholarly journals, journals of opinion, magazines, and newspapers, will provide focus. This course will study current changes and contemporary issues and problems from both a scholarly and journalistic perspective.

497c ELECTIONS 1976: A WORKSHOP IN PRESIDENTIAL POLITICS (2)

This workshop deals with electoral politics in 1976 in conjunction with the presidential election. (Summer 1976)

237, 337, 437 FOREIGN STUDY (2-5)

Prerequisite: Pol Sci 101 or equivalent. A study of political science topics particularly appropriate to the location of the course offering. These courses are offered only through the WWSC Study Abroad program. Contact Foreign Study Office, Miller Hall 353, for information.

Course Revisions

311 JURISPRUDENCE. Change in credits to read: (5).

313 AMERICAN CONSTITUTIONAL LAW. Change in prerequisite to read: Pol Sci 250 and upper-division standing. Change in description to read: Significant Supreme Court decisions in interpreting major parts of the Constitution. Emphasis on the development of constitutional law in the areas of separation of powers, federal division of powers, and individual civil rights.

376 AMERICAN FOREIGN POLICY. Change in prerequisite to read: Pol Sci 250 or 270.

415 PRE-LAW AND CRIMINAL JUSTICE. Change in title to read: CRIMINAL JUSTICE SYSTEMS.

443 LEGISLATIVE INTERNSHIP. Change in credits to read: (5-15).

449 POLITICS AND SOCIAL CHANGE. Change in prerequisite to read: upper-division standing.

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PSYCHOLOGY

College of Arts & Sciences

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COURSES IN PSYCHOLOGY

Course Deletions

Psychology 497b, 497c

Course Additions

397a REHABILITATING CONVICTED LAWBREAKERS (2)

This workshop will focus on educational and social aspects of criminality and all aspects of rehabilitation of those who have been convicted. (Summer 1976)

453 OCCUPATIONAL PSYCHOLOGY (3)

Prerequisites: permission of instructor; possession of valid ESA initial or continuing level certificate in counseling and admission to the Advanced Vocational Counseling Workshop. Course ordinarily offered in summer only as part of advanced workshop in vocational counseling.

472 VOCATIONAL TESTING (3)

Prerequisite: permission of instructor; possession of valid ESA initial or continuing level certificate in counseling and admission to the Advanced Vocational Counseling Workshop. Offered only in summer as part of advanced workshop in vocational counseling.

497d SEMINAR IN VOCATIONAL COUNSELING (3)

Prerequisite: possession of a valid ESA certificate as counselor at the initial or continuing level and permission of instructor. Intensive examination of tutorial roots of vocational counseling and contemporary research foundations. (Summer 1976)

497c PROGRAMMED APPROACHES IN VOCATIONAL COUNSELING (3)

Prerequisite: possession of valid ESA certification or counselor at either the initial or continuing level and permission of the instructor. An in-depth consideration of programmed approaches to vocational counseling—their theoretical bases, foundations in research, and effectiveness in practice. (Summer 1976)

497f SCHOOL MOTIVATION: CASES AND STRATEGIES (3)

Prerequisite: 10 credits in psychology. An in-depth study of principles. Cases and strategies of problems of school motivation. The application of psychological information to solving diverse cases of motivational difficulties in the schools. A study of strategies to initiate and maintain individual and group motivation in the educational setting. (Summer 1976)

597a REHABILITATING CONVICTED LAWBREAKERS (2)

Prerequisite: graduate status. This workshop will focus on educational and social aspects of criminality and all aspects of rehabilitation of those who have been convicted. (Summer 1976)

Course Revisions

321 LEARNING. Add to description: May be substituted for Psych 351 for teacher certification.

400 ADVANCED PSYCHOLOGICAL RESEARCH PROBLEMS. Add to description: S/U grading.

431 INTRODUCTION TO GUIDANCE SERVICES. Change in title to read: INTRODUCTION TO SCHOOL AND COMMUNITY COUNSELING. Change in credits to read: (4). Change in prerequisite to read: 15 credits in psychology, junior status. Change in description to read: Roles of counselors and other psychological specialists in an integrated program in schools and community. Ethical considerations. Survey of counseling theories and techniques, guidance, consultation and other outreach activities. Counseling minorities, issues in training, practice and licensing. Appropriate training and use of para-professionals. Research activities of counselors.

449 FIELD EXPERIENCES IN PSYCHOLOGY. Add to description: This course may be taken two times for credit only by students in the Psychology Human Services concentration. All other students are limited to one quarter credit.

471 STANDARDIZED TESTS. Change in prerequisite to read: Psych 371 or 311.

556 PROBLEMS IN PSYCHOLOGICAL ASSESSMENT. Change in prerequisite to read: Psych 311, or 471, 553 or permission of instructor.

557 INDIVIDUAL APPRAISAL IN COUNSELING. Change in prerequisite to read: Psych 471 or 311, Psych 306 or Ed 473, and Psych 553.

570 PRACTICUM IN CLINICAL AND COUNSELING TECHNIQUES AND CASE PRESENTATION. Change in credits to read: (1-5). Change in prerequisite to read: admission to the graduate program, permission of instructor, and arrangement for supervision. Change in description to read: Experience in a counseling center or other setting in which vocational counseling, group or individual psychotherapy, group process or behavior modification may be practiced by student under professional supervision. Case presentation and staff meetings will ordinarily be part of experience. May be repeated. S/U grading.

SOCIOLOGY/ ANTHROPOLOGY

College of Arts & Sciences

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BACHELOR OF ARTS

Major--Sociology 70 credits (revised)

The following concentrations are offered to assist students in selecting an undergraduate program which meets specific needs and interests while at the same time guaranteeing sufficient breadth to avoid overspecialization. Courses listed as being taught through other departments will count toward the 70-credit major in sociology; non-departmental courses must be approved by the department in order to count toward the major.

Students are advised to select the General Sociology concentration unless they have a particular concentration interest.

Concentrations

General Sociology: Adviser departmental administrative assistant

- Sociology 202, 302, 303, 310 or 311, 315, 321, 330
- Electives (to total 70 credits) in sociology or anthropology under departmental advisement

Human Resources Planning: Advisers- Drake, Gossman

- Sociology 202, 302, 311, 313, 315, 321, 330, 340, 415, 421
- Political Science 320, 425
- Computer Science 110, 125
- Plus 10 credits of electives (to total 70 credits) under advisement in sociology, public administration, business administration, accounting

Criminology: Adviser Paulus

- Sociology 202, 303, 315, 330, 351, 352, 353, 354, 452, 454 or Political Science 415, Sociology 465 or Psychology 353
- Electives (to total 70 credits) under advisement in sociology, psychology, political science

Social Psychology: Adviser Mahoney

- Sociology 202, 303, 310, 315, 415, 430, 431, 433
- Psychology 306, 307, 321, 403
- Sociology, psychology or mathematics electives (to total 70 credits) under advisement

Demography/Human Ecology: Advisers Mazur, Gossman

- Sociology 202, 302, 315, 321, 322, 323, 415, 421, 422
- Mathematics 121, 220
- Computer Science 110
- Geography 440
- Electives (to total 70 credits) under advisement

COURSES IN ANTHROPOLOGY

Course Additions

497b ANTHROPOLOGICAL LITERATURE (2)

Prerequisite: Anth 201. Scholarly and scientific writing and editing in anthropology. (Spring 1976)

Course Revisions

481 CHILDHOOD AND CULTURE. Change in prerequisite to read: 10 credits in anthropology. Change in description to read: The process of socialization or enculturation viewed from a cross-cultural perspective.

COURSES IN SOCIOLOGY

Course Additions

497b SOCIOLOGY LITERATURE (2)

Prerequisite: Soc 202. Scholarly and scientific writing and editing in sociology. (Spring 1976)

497c WOMEN AND THE LAW (2)

This course is especially designed to be taken by women and men, welfare workers and teachers who wish to learn more about women's special status in our legal system. (Summer 1976)

497d SOCIOLOGY OF KNOWLEDGE (3)

Prerequisite: Soc 202. Examination of the socio-cultural conditions underlying knowledge and its origin, dispersion, and employment. The foundations of myths, ideals, ideologies and other thoughtways in the societal process. Investigation of the role of ideas and the factors related to the formation of knowledge with specific attention to the relationship between ideas and the social context at the micro- and/or macro-social levels.

Course Revisions

261 PRINCIPLES OF SOCIAL WORK. Change in title to read: SOCIOLOGY OF SOCIAL WORK. Change in description to read: Social work and social welfare as institutions in American society. Principles of sociology as applied in social work practice.

SPEECH

College of Arts & Sciences

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The Theatre/Dance Program, formerly in the Department of Speech, has been incorporated into the new College of Fine and Performing Arts.

All theatre and dance courses are listed under the Department of Theatre/Dance in this supplement.

Majors and minors in the Department of Speech remain substantially the same. It is recommended, however, that current and new students check with both the Department of Speech and the Theatre/Dance Department advisers before registering for any of these programs.

BACHELOR OF ARTS IN EDUCATION

Major—Speech Pathology & Audiology

45 credits (revised)

Minor in elementary education required for bachelor of arts in education degree. Students electing not to complete the minor in elementary education are advised to follow the bachelor of arts degree program.

- Speech 351, 352, 353, 354, 356, 357, 361, 370, 373, 452, 454, 455, 461
- Electives under departmental advisement

For students interested in or desirous of certification as a public school speech pathologist or audiologist, the professional education sequence is recommended.

The program leading to certification as a speech pathologist and/or audiologist in the public schools has been formulated by the WWSC-BEA-BPS consortium. For details regarding academic, clinical and internship requirements, please consult area adviser.

The American Speech and Hearing Association recommendation for certification of speech therapists includes a minimum of 90 quarter credit hours academic preparation. Such preparation would extend into the fifth year or graduate degree program. Consult the department for details.

BACHELOR OF ARTS

Major- Broadcast Communication

70 credits (revised)

- Speech 240, 304, 309 or 405, 340, 343, and 449
- 30 credits from Speech 130, 204, 236, 241, 300, 309, 319, 332, 341, 342, 345, 346, 350, 400, 401, 404, 405, 409, 441, 442, 443, 444 and 445a, taken under Speech Communication area advisement
- Journalism 104 and 18 credits of additional supporting courses taken outside the Speech Department under Speech Communication area advisement

Major Speech Pathology & Audiology

50 credits (revised)

- Speech 351, 352, 353, 354, 356, 357, 361
- Speech 373, 452, 454, 458, 459, 461
- Electives under area advisement

Major Theatre & Dramatic Arts (delete)

See Theatre/Dance.

Major-Dance (delete)

See Theatre/Dance.

COURSES IN SPEECH

Course Deletions

Speech 357

Course Additions

465a INTERMEDIATE SIGNING (2)

Prerequisite: Speech 465. An introduction to the philosophy of total communication and the basic idea of Amslan (sign language used by deaf people).

497a SEMINAR IN CEREBRAL PALSY (3)

Prerequisite: Speech 351. Survey of speech disorders; identification, classification and fundamentals of therapy. (Summer 1976)

599 GRADUATE EXTERNSHIP IN SPEECH PATHOLOGY/AUDIOLOGY (3)

Prerequisite: completion of the undergraduate major requirements, permission of department, graduate status, and demonstrated proficiency in clinical skills. Supervised experience providing opportunities to develop and demonstrate clinical competence in the management of communication disorders. Grading will be S/U only.

Course Revisions

452 DIAGNOSTIC METHODS IN SPEECH AND LANGUAGE DEVELOPMENT. Change in prerequisite to read: Speech 351, 352, 353, 354, 356, 373 or permission of instructor.

457 METHODS IN SPEECH THERAPY. Change in credits to read: (5). Add to description: Directed observation and evaluation of the methods, materials and techniques used in treating speech and hearing cases.

458 INTRODUCTION TO CLINICAL PRACTICE IN SPEECH THERAPY. Change in prerequisite to read: Speech 351, 352, 353, 354, 356, 373, 452, 457 or permission of instructor.

488 BUSINESS, PROFESSIONAL AND GOVERNMENTAL SPEECH. Change in title to read: BUSINESS AND ORGANIZATIONAL COMMUNICATION.

497b ARTICULATION THERAPY TECHNIQUES. Change in credit to read: (1)

574 EXPERIMENTAL PHONETICS. Delete prerequisite.

TECHNOLOGY

College of Arts & Sciences

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Graphic Communications Technology (revised): These are the courses which deal in two-dimensional media and which involve the various ways by which man transmits information and thoughts through visual means. Included in this category are courses in industrial graphics and drafting, the graphic arts and photography. Actual courses included in this category are 160, 210, 211, 212, 240, 260, 265, 310, 312, 313, 340, 341, 344, 360, 362, 363, 413, 417r, 419, 440, 441, 444, 447, 448, 449, 460, 469, 540, 544.

Materials and Processes Technology (revised): Courses in this category deal with skill and information pertaining to the ways man copes with his physical and material environment and with which he modifies and shapes basic materials for his own use. Included in the category are courses in material science, metallurgy, material testing, wood technology (furniture design and construction, laminations), metals technology (material forming, casting, molding, shaping and machining), and polymer science (plastics, thermoplastics and thermosets). The specific courses offered in this area include 222, 223, 224, 225, 231, 303, 320, 321, 322, 323, 324, 325, 326, 327, 328, 331, 333, 335, 417, 422, 428, 429, 433, 434, 439.

BACHELOR OF SCIENCE (Vocational Industrial-Technical Teacher Education) (new)

This degree program is designed to meet the needs of those individuals entering the field of vocational education. It is specifically designed for those individuals in the trade, industrial and technical education fields. It is the responsibility of the individual to meet the Washington State Certification requirements for trade,

industrial and technical vocational education teachers. The professional vocational education courses that are a component of this degree program are set up to meet the state certification standards. It is recommended that individuals entering this degree program possess the necessary qualifications to meet the work experience component of the Washington State Vocational Education Certification standards.

Major 110 credits

- 59 credit hours in technical courses, as follows:
 - (1) 45 credits for occupational competency *or*
 - (2) 45 credits in selected courses in area of specialization, *or*
 - (3) combination of (1) and (2) to total minimum 45 credits, *plus*
 - (4) 14 credit hours in area of specialization *or* courses that are related to *or* complement the area of specialization (these courses will be selected under advisement of the major adviser to provide the student with maximum depth in his particular occupational area and may well be of a scientific or technical nature)
- Tech 392, 393, 394, 442, 490, 490a, 495, 498, plus 9 credit hours selected by advisement from Tech 215, 391, 480a, 492, 494, 496, to total 44 credits in professional vocational education
- 7 credits in psychology: Psych 351, 353

COURSES IN TECHNOLOGY

Course Deletions

Technology 497p

Course Additions

344 FILM ANIMATION (3)

Prerequisite: Tech 240, 362 and permission of instructor. The theory and application of animation techniques in Super 8mm film or 16mm film. (Summer)

- 393 **TEACHING OF INDUSTRIAL EDUCATION (3)**
Prerequisite: professional involvement in trade, industrial, technical or health occupations vocational education or upper-division standing. This course is designed to provide the student with the basic principles and techniques for effective instruction in the trade, industrial, technical and health occupations vocational education areas. This course is also designed to meet the vocational teacher education certificate requirements as prescribed in the Washington State Plan for Vocational Education.
- 394 **OCCUPATIONAL ANALYSIS (3)**
Prerequisite: professional involvement in trade, industrial, technical or health occupations vocational education or upper-division standing. This course is designed to provide the student with the basic principles and techniques for performing analysis operations to develop course content for trade, industrial, technical and health occupations vocational education areas of instruction. This course is designed to meet vocational teacher education certification requirements as described in the Washington State Plan for Vocational Education.
- 417r **PHOTOGRAPHY FOR TEACHERS (1-3)**
This course is designed for school teachers who want to use photographic techniques as a part of their teaching methodology.
- 444 **COMPUTER PHOTO COMPOSITION (3)**
Prerequisite: Tech 240, 340, 341 and Computer Science 110 and permission of instructor. The theory and practical applications of computer-operated photo-composition equipment.
- 490 **PRACTICUM IN SUPERVISED TEACHING OF INDUSTRIAL AND TECHNICAL EDUCATION PROGRAMS (16)**
Prerequisite: open to majors in industrial and technical education during their senior year with departmental approval upon completion of Tech 393, 394, 392 and 495. Supervised experience providing opportunity to develop and demonstrate teaching competency at the secondary and post-secondary level in the area of industrial and technical education.
- 490a **SEMINAR IN SUPERVISED VOCATIONAL TEACHING (1)**
Prerequisite: concurrent enrollment in Tech 490, Practicum in Supervised Teaching of Industrial and Technical Education Programs.
- 496 **COMMUNITY AND INDUSTRIAL RESOURCES (3)**
A study of those resources available in the community and how they can be used to enhance the educational experience of students engaged in formal schooling.
- 497d **DESIGN FUNDAMENTALS FOR TEACHERS (3)**
Prerequisite: foundation design courses and experience in teaching design or intention to teach. A presentation of thought processes, exercises and examples for teachers who want to develop creative attitudes on design awareness in their students. (Summer 1976)
- 498 **STUDENT LEADERSHIP DEVELOPMENT (3)**
Prerequisite: professional involvement in trade, industrial, technical or health occupations vocational education or upper-division standing. This course is designed to provide the student with the basic principles and techniques for effecting student leadership development in their respective vocational education programs. Designed to meet vocational teacher education certification requirements as described in the Washington State Plan for Vocational Education.
- 540 **VISUAL COMMUNICATIONS TECHNOLOGY (3)**
Prerequisite: undergraduate concentration in the visual communications field. The technological changes in the visual communications industry and the responses.
- 544 **SEMINAR: CURRENT VISUAL COMMUNICATIONS TOPICS (3)**
Prerequisite: undergraduate concentration in the visual communications fields. Research and discussion concerning pertinent problems in the visual communications industry.
- 550 **FOUNDATIONS OF VOCATIONAL EDUCATION (3)**
An examination of the historical and philosophical foundations of vocational education. Major legislation, social and economic factors which have influenced the development of vocational education will be considered, as well as the scope and purpose of vocational education as it relates to education in general.

Course Revisions

- 260 **GENERAL PHOTOGRAPHY.** Change in credits to read: (4). Delete prerequisite. Change in description to read: Application of photographic technique.
- 362 **VISUAL COMMUNICATION PHOTOGRAPHY.** Change in credits to read: (4). Change in prerequisite to read: Tech 240 and VICOED major.
- 592 **CURRICULUM DEVELOPMENT IN INDUSTRIAL ARTS.** Add prerequisite to read: Public school teaching experience in the area of concern. Additional courses are as follows:
592g VICOED
592h Photography
592j Man and Technology
592k Construction
592m Manufacturing

THEATRE/DANCE

College of Fine and Performing Arts

BACHELOR OF ARTS

Major—Theatre 85 credits

- Speech 203, 319, 373
- Theatre/Dance 101, 135, 211, 212, 213, 215, 324, 350, 360, 361, 370, 380, 382, 411, 425, 426, 427, 461, 470
- Choose one of the following: Theatre/Dance 428, 428b, 428c
- Music 130
- PE 134
- Recommended electives under area advisement: Music 223; PE 126; Tech 210, 310; Theatre/Dance 225, 236 or 237

Minor Theatre 24 credits

- Theatre/Dance 101
- Choose one of the following: Theatre/Dance 260, 261, 262
- Theatre/Dance 211, 212, 322*, 360, 370

COURSE NUMBERING

In organizing the College of Fine and Performing Arts, certain courses formerly listed under the Department of Speech have been renumbered and are now listed under the Department of Theatre/Dance as follows:

*Or six credits of dramatic literature.

<i>Old Speech No.</i>	<i>New Theatre/ Dance No.</i>	<i>Title</i>
110	110	Interdisciplinary Art (5) [also offered as Art 110, Music 110]
130	101	Introduction to Theatre (3)
225	231	Introduction to Dance (2)
230	260	Theatre Theory and Production (2)
231	261	Theatre Theory and Production (2)
232	262	Theatre Theory and Production (2)
230a	232	Dance Theory and Production (2)
231a	233	Dance Theory and Production (2)
232a	234	Dance Theory and Production (2)
235	211	Design for the Stage (3)
236	212	Introduction to Stagecraft and Lighting (5)
236a	213	Stagecraft Lighting Lab (2)
237	215	Stage Make-Up (2)
300	300	Special Problems (1-3)
310	380	Introduction to the History of the Theatre (5)
311	331	Modern Jazz Dance (2)
312	332	Advanced Modern Jazz Dance (2)
314	333	Advanced Modern Dance Techniques and Improvisation (2)
315	334	Advanced Modern Dance Techniques and Improvisation (2)
316	335	Advanced Modern Dance Techniques and Improvisation (2)
320	324	Shakespeare (3) [also offered as English 314f]
321	336	Rhythmic Analysis and Accompaniment (3)
322	337	Dance Composition I—Choreography (3)
323	338	Dance Composition II—Choreography (3)
325	322	Representative Plays (5)
326	339	Intermediate Ballet Technique (2)
327	340	Intermediate Ballet Technique (2)
328	341	Intermediate Ballet Technique (2)
330	350	Introduction to Child Drama (3)
331	351	Puppetry (3)
332	360	Acting I (3)
333	361	Acting II (3)
334	311	Drafting, Rendering and Models for the Stage (3)
335	312	Advanced Stagecraft (3)
336	313	Advanced Stage Lighting (3)
337	370	Play Direction I (3)
338	382	Historic Costume for the Stage (3)
339	315	Stage Costuming (3)
339a	342	Costume for the Dance (3)
345	301	The Art of Film (3)
346	302	Film Genre (3)
400	400	Special Problems (1-3)
410	480	Twentieth Century Theatre (3)
411	433	Labnotation (3)
412	431	History and Philosophy of Dance (3)
414	432	Dance Production (2)
415a,b	472a,b	High School Drama Director's Institute (2 or 4)

420	424	Studies in Shakespeare (3)
421	421	Development of the English Drama (3) [also offered as Eng 412a]
422	422	Development of the English Drama (3) [also offered as Eng 412b]
423	423	Development of the English Drama (3) [also offered as Eng 412c]
425	425	Modern European Drama (3)
424	426	Modern American Drama (3)
426	427	Contemporary Drama (3)
427a,b,c	428a,b,c	Major Dramatists (3 ea)
428	429	Great Plays for the Secondary School Stage (3)
429a	485	Playwriting (3) [also offered as English 452a]
429b	486	Playwriting (3) [also offered as English 452b]
429c	487	Playwriting (3) [also offered as English 452c]
430	450	Creative Drama (3)
431	451	Creative Dramatics Leadership (3)
432	461	Period Styles in Acting (3)
433	452	Children's Theatre (3)
435	411	Scenic Design (3)
436	453	Touring Theatre (5)
437	470	Play Direction II (3)
438	471	Play Direction III (5)
439	473	Professional Techniques in Theatre Arts (2-6)
440	462	Advanced Workshop in Summer Stock (15)
445a	401	New Developments in the Art of Film (3)
500	500	Special Problems (1-3)
501	501	Introduction to Research in Theatre (4)
511	522	Seminar in Dramatic Theory and Criticism (4)
527a,b,c, d,e	528a	Seminar in Major Dramatists and Dramatic Periods (3)
530	550	Seminar in Child Drama (3)
535	511	Seminar in Scenic Design and Stage Lighting (3)
536a	585	Playwriting Seminar (3)
536b	586	Advanced Seminar in Playwriting (3)
537	571	Seminar in Play Direction (4)

538	570	Play Analysis and Theatre Production Planning (3)
690	690	Thesis (6-9)
691	691	Writing Seminar: The Research Monograph in Theatre (3)
695	695	Internship in Theatre Arts (3)

COURSES IN THEATRE/DANCE

Course Additions

135	MODERN DANCE FOR THE BEGINNER (2)
138	BASIC BALLET (2)
160	ACTING WORKSHOP FOR HIGH SCHOOL STUDENTS (2) Prerequisite: intended for, but not restricted to, students who have completed their junior year of high school.
235, 236, 237	INTERMEDIATE MODERN DANCE TECHNIQUES (2)
238, 239, 240	BALLET FOR THE BEGINNER (2)
342	COSTUME FOR THE DANCE (3) (Number approved as Speech 339a.) Prerequisite: Theatre/Dance 211. An overview of the history and philosophy of costume for the dance, with an emphasis on design and construction of wardrobe for contemporary performance.

Course Revisions

472b	(Number changed from Speech 415b) HIGH SCHOOL DRAMA DIRECTOR'S INSTITUTE. Change in credits to read: (4).
550	(Number changed from Speech 530) SEMINAR IN CHILD DRAMA. Change in prerequisite to read: Theatre/Dance 450 and 451.

COLLEGE PERSONNEL

BOARD OF TRUSTEES

Butterworth, Rita Jean Seattle
Chin, Ark G. Seattle
Comfort, Patrick Tacoma
Hanson, Paul Bellingham
Winston, Jr., Robert Spokane

FACULTY

Abrams, George H. / Ethnic Studies
Adams, Henry L. / Psychology
Ager, Philip / Music
Aitken, Margaret H. / Physical Education
Albers, James R. / Huxley
Alexander, Marian L. / Library
Ames, Evelyn E. / Physical Education
Amundsen, Darrel W. / Foreign Languages
Anastasio, Angelo / Sociology/Anthropology
Anderson, Kathryn L. / Fairhaven
Arellano, Raul / Ethnic Studies
Arkley, Alfred S. / Political Science
Arnett, M. Chappelle / Physical Education
Atneosen, Richard A. / Physics

Babcock, Randall S. / Geology
Baird, Herbert LeRoy Jr. / Foreign Languages
Balas, Robert S. / Foreign Languages
Barnhart, Michael W. / Political Science
Barrett, W. Louis / Physics
Barron, Lucille R. / Home Economics
Beamer, Elbert M. / General Studies
Beck, Myrl E., Jr. / Geology
Beldin, Horace O. / Education
Berg, Richard H. / Huxley
Besserman, Marion / Chemistry
Bettis, Joseph D. / Fairhaven
Biasini, Americole / Music
Billings, Thomas / Education
Bishop, Richard T. / Education
Black, Joseph E. / Technology
Blackwell, Leslie / Education
Blood, Don F. / Psychology
Bosch, James W. / Sociology/Anthropology

Bouverat, Roberta A. / Education
Bowman, Elizabeth / English
Boylan, Bernard L. / History
Brewster, Laurence W. / Speech
Broad, A. Carter / Biology
Brockhaus, Henrich / Foreign Languages
Brown, Don W. / Education
Brown, Edwin H. / Geology
Brown, Herbert A. / Biology
Brown, Robert D. / English
Brown, Willard A. / Physics
Bryant, William H. / Foreign Languages
Buckland, Roscoe L. / General Studies
Budd, William C. / Psychology
Bultmann, William A. / History
Burnett, Michael J. / Fairhaven
Burwell, Jerry L. / Technology
Busse, Larry L. / Education
Butler, Reginald D. / Ethnic Studies
Byeman, Gerrit / Technology

Call, Donald J. / Sociology/Anthropology
Campbell, Steven / Library
Carlile, Sene R. / Speech
Carmean, Stephen L. / Psychology
Carroll, Katherine M. / Education
Cary, Meredith B. / English
Cattrell, Dennis E. / Speech
Chalice, Donald R. / Mathematics
Chaney, Robin W. / Mathematics
Chatham, Doris / Art
Christman, Robert A. / Geology
Clarke, David E. / Political Science
Clevidence, William Gary / Fairhaven
Clothier, Nita / General Studies
Cole, William D. / Music
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Covington, Richard J. L. / Education
Craswell, Keith / Mathematics
Critchfield, Howard J. / Geography
Crook, Joseph R. / Chemistry
Cross, Robert J. / Library
Crow, Lowell T. / Psychology
Cvetkovich, George T. / Psychology

Dallas, Lee A. / Education
Darrow, Helen F. / Education
Daugert, Stanley M. / Philosophy
Davidson, Melvin / Physics
DeLorme, Roland L. / History
Diers, Carol J. / Psychology
Dittrich, William J. / Physics
Donker, Marjorie J. / English
Downing, Thomas E. / Philosophy
Drake, George F. / Sociology/Anthropology
Dresbeck, LeRoy Joseph / History
Dube, Maurice A. / Biology
Duemmel, James E. / Mathematics

Easterbrook, Don J. / Geology
Eddy, Lowell P. / Chemistry
Eddy, Peter A. / Foreign Languages
Ehmann, Jane H. / Geography
Eklund, Donald D. / History
Elich, Peter J. / Psychology
Ellis, Ross C. / Geology
Elmendorf, William E. / Foreign Languages
Embrey, Robert D. / Technology
Erickson, John E. / Biology
Evans, Howard M. / Education
Everitt, Jack M. / Huxley

Faber, Eunice D. / Foreign Languages
Faulkner, Constance P. / Fairhaven
Faulkner, J. Kaye / Economics and Business
Fennimore, Flora / Education
Feringer, F. Richard / Education
Fleetwood, A. Hugh / Philosophy
Flora, Charles J. / Biology
Foisy, Maurice H. / Political Science
Fonda, Richard W. / Biology
Ford, Paul / Education
Foss, Ione A. / Art
Fowler, Richard J. / Technology
Francis, Richard L. / English
Frank, Barton / Music
Frazier, Thomas / Library
Freeman, Kenneth D. / Fairhaven
Frerichs, Bernard H. / Economics and Business
Friedland, Patricia A. / Physical Education
Froderberg, Albert J. / Mathematics
Frye, Richard / Business and Economics, Huxley

Gallegos, Arnold / Education
Gamlen, Sara Jeanne / Mathematics
Garber, Eugene K. / English
Garcia-Barragan, Guadalupe / Foreign Languages
Gayden, Ernst L. / Huxley
Gelder, Harvey M. / Fairhaven
Gerhold, George A. / Chemistry
Gilbert, Donn D. / Education
Glass, Jerome / Music
Glenn, Paul C. / Fairhaven
Goldsmith, Helen H. / Foreign Languages
Goodrich, Lynda M. / Physical Education
Gossman, Charles / Sociology/Anthropology
Grabert, Garland F. / Sociology/Anthropology
Gray, Neil R. / Mathematics
Gregory, William A. / Speech
Grote, Frederick W. Jr. / Psychology
Grover, Burton L. / Education
Gutchow, Monica C. / Physical Education, Speech

Haag, Enid / Library
Hackler, Clyde M. / Technology
Haglund, Byron E. / Economics and Business
Hansen, Alta J. / Physical Education
Hanson, Lawrence / Art

Harder, K. Peter / Economics and Business
Harris, Howard / Sociology/Anthropology
Hashisaki, Joseph / Mathematics
Hebal, John J. / Political Science
Heid, William H. / Fairhaven
Helfgott, Leonard M. / History
Hengen, Nona L. / Library
Herbold, Paul E. / Speech
Higbee, C. Max / Education
Hildebrand, Francis H. / Mathematics
Hildebrand, James L. / Mathematics
Hill, Ford D. / Music
Hill, Claude E. / Technology
Hiller, Harley E. / History
Hiraoka, Jesse / Ethnic Studies
Hitchman, James H. / History
Hite, F. Herbert / Education
Hogan, Eugene J. / Political Science
Horn, Thomas C. / History
Hovde, Annis J. / Fairhaven
Hovenier, Peter J. / Education
Huff, Robert E. / English

Inniss, Kenneth B. / English
Ives, Fred M. / Mathematics

Jack, Rand F. / Fairhaven
Jackson, Harry D. / History
Jensen, Robert A. / Art
Jewett, Robert I. / Mathematics
Johnson, Ellwood G. / English
Johnston, Thomas A. / Art
Jones, Elvet G. / Psychology
Jones, Henry W. / Education

Kaplan, Edward H. / History
Karason, Halldor C. / Education, Philosophy
Kauffman, Robert M. / Mathematics
Keep, William C. / English
Keller, Robert H. / Fairhaven
Kelley, see Gamlen
Kelly, Samuel P. / Education
Kest, Evelyn C. / Home Economics
Kim, Hyung-Chan / Ethnic Studies
Kimmel, Arthur S. / Foreign Languages
King, Donald M. / Chemistry
Kintz, B. L. / Psychology
Kleinknecht, Ronald A. / Psychology
Knight, John J. / Business and Economics
Kohn, Hubertus E. / Biology
Kraft, Gerald F. / Biology
Krauss, Ellis S. / Political Science
Krieger, Milton H. / General Studies
Kriz, George S. Jr. / Chemistry
Kuhns, Kathleen J. / Library

LaBounty, Edwin M. / Music
Lajoie, Ronald J. / Psychology
Lamb, George S. / Education

- Lampman, Gary M. / Chemistry
 Larnel, Daniel M. / Speech
 Larratee, Edith B. / Home Economics
 Larser, Golden L. / English
 Latta, Raymond F. / Education
 Lawyer, W. Robert / Library, English
 Lee, Lawrence L. / English
 Lee, Tommy / English
 Levin, Richard G. / Mathematics
 Lewis, Merrill E. / English
 Lindquist, Norman F. / Mathematics
 Lindsay, Richard H. / Physics
 Lippman, Louis G. / Psychology
 Lippman, Marcia Z. / Psychology
 Lobue, Wayne N. / General Studies
 Long, Boyde / Physical Education
 Lonner, Walter J. / Psychology
 Lounsberry, James R. / Physical Education
 Lummis, Charles D. / Fairhaven

 McAllister, Richard G. / Economics and Business
 McClendon, John C. / Fairhaven
 McCormick, Patrick F. / Art
 McCracken, Robert A. / Education
 McGaw, Howard F. / Education
 McInnis, Raymond / Library
 McIntyre, Mary A. / Art
 MacKay, William R. / Psychology
 McLeod, Donald B. / Fairhaven
 McLeod, Raymond R. / Physics
 Mahoney, Eldon R. / Sociology/Anthropology
 Maksymowicz, Alex / Physics
 Malmslead, Beverly / Fairhaven
 Mamnitzsch, Ulrich / General Studies
 Manley, Harriet J. / Geology
 Mar, Barry / Center for Urban Studies
 Margaritis, Stephen C. / Education
 Mariz, George Eric / History
 Marsh, David F. / Art
 Martin, James S. / Biology
 Martin, Jeanne L. / Political Science
 Marx, Robert D. / Psychology
 Mason, David T. / Fairhaven
 Mason, Evelyn D. / Psychology
 Mather, Dan / Library
 Mayer, Erwin S. / Economics and Business
 Mazur, D. Peter / Sociology/Anthropology
 Meade, Robert D. / Psychology
 Mees, Hayden L. / Psychology
 Menninga, Larry Dean / Mathematics
 Merrill, Reed B. / English
 Miles, John C. / Huxley
 Milicic, Vladimir / Foreign Languages
 Miller, John A. / Chemistry
 Miller, Gerson A. / English
 Miller, Laurence P. / Psychology
 Miner, Ralph E. / Political Science
 Mischakow, Michael K. / Economics and Business
 Mitchell, Howard E. / Economics and Business
 Moerschner, Kurt W. / Foreign Languages

 Monahan, Robert L. / Geography
 Monat, Jonathan S. / Economics and Business
 Montague, Phillip / Philosophy
 Mookherjee, Debnath / Geography
 Moon, Donald E. / Education, Technology
 Moore, John S. / Economics and Business
 Mork, Theodore A. / Education
 Mugerud, Ronald / Technology
 Muldrow, George M. / English
 Murray, Keith A. / History

 Neuzil, Edward F. / Chemistry
 Newman, James R. / Huxley
 Nickelson, Alden L. / Education, Biology
 Nugent, Frank A. / Psychology

 O'Brien, James H. / English
 Olmstead, Marvin L. / Speech
 Olscamp, Paul J. / Philosophy
 Olsen, Fred A. / Technology
 Owens, Eugene / Economics and Business

 Pacglis, Vilis / Library
 Panek, David M. / Psychology
 Parakh, Jal S. / Biology
 Param, Charles / Foreign Languages
 Patton, Robert T. / Economics and Business
 Paulus, Ingeborg L. E. / Sociology/Anthropology
 Pavia, Donald L. / Chemistry
 Payton, Rodney J. / General Studies
 Peach, Janice R. / Home Economics
 Peters, Robert A. / English
 Petersen, Lois E. / Economics and Business
 Peterson, Gilbert A. / Huxley
 Peterson, Richard K. / Library
 Pevear, David R. / Geology
 Pielstick, Norval L. / Psychology
 Pinney, Robert H. / Education
 Polen, Samuel B. / Speech
 Porter, Sam R. / Technology
 Prim, Merle M. / Psychology
 Pullan, C. Bruce / Music
 Purtill, Richard L. / Philosophy

 Quigley, Robert J. / Physics

 Radke, August / History
 Rahm, David A. / Geology
 Ramsland, Dorothy E. A. / Home Economics
 Randall, Charles R., Jr. / Physical Education
 Raney, Franklin C. / Geography
 Rangel-Guerrero, Daniel / Foreign Languages
 Rapoza, Nicole B. / Foreign Languages
 Read, Thomas T. / Mathematics
 Reay, John R. / Mathematics
 Rees, Earl R. / Psychology
 Rich, Douglas / Bridge Project
 Richard, Jerome E. / Fairhaven
 Richardson, John G. / Sociology/Anthropology
 Richardson, Larry S. / Speech

Riffey, Meribeth M. / Biology
Ritter, Harry Ray, Jr. / History
Ritter, Marian B. / Library
Robbins, Lynn A. / Huxley
Roberts, Jane E. / Home Economics
Robinson, Walter L. / Foreign Languages
Roe, Alfred L. / History
Roley, Paul L. / History
Romine, Ray S. / Education
Ross, Charles A. / Geology
Ross, J. Alan / Education
Ross, June R. P. / Biology
Rupaal, Ajit S. / Physics
Russo, Salvatore / Chemistry
Rutan, Gerard F. / Political Science
Ryan, Marjorie / English
Rygg, Paul I. / Mathematics

Safavi, Farrokh / Economics and Business
Sailors, William M. / Economics and Business
Sanderson, Donovan F. / Mathematics
Savitch, Leonard / Education
Scandrett, Robert L. / Music
Schaub, David B. / Music
Schinske, Erhart A. / Speech
Schlotterback, Thomas / Art
Schneider, David E. / Biology
Schuler, Carl U. / History
Schwalm, Ray A. / Technology
Schwartz, Maurice L. / Geology, Education
Schwartz, Sy / Education
Schwarz, Henry G. / Political Science, History
Schwemmin, Donald J. / Biology
Scott, James W. / Geography
Scott, William H. O. / Library
Seal, Michael / Technology
Seilo, Michael T. / Speech
Senger, Clyde M. / Biology
Shaffer, Ronald W. / Psychology
Sherwood, Tom M. / Fairhaven
Sigler, Byron E. / Speech
Singleton, William / Business and Economics
Skinner, Knute / English
Slesnick, Irwin L. / Biology
Smiley, Sandra S. / Psychology
Smith, Alden C. / Speech
Smith, Pamela J. / Ethnic Studies
Smith, Richard G. / Geography
Solomon, Arthur L. / Speech
Southcott, Marvin A. / Technology
Spanel, Leslie / Physics and Astronomy
Sprague, Donald L. / Physics
Stannard, R. E., Jr. / English
Starbird, Richard O. / Education
Steffens, Peter / English
Stephan, G. Edward / Sociology/Anthropology
Stoeber, William K. D. / General Studies
Stoner, Paul H. / Music
Summers, William C. / Huxley

Swift, Larry E. / Education
Swineford, Ada / Geology
Symes, Ken M. / English

Talbot, James / Geology
Taylor, Christopher J. / Psychology
Taylor, Herbert C., Jr. / Sociology/Anthropology
Taylor, Ronald J. / Biology
Taylor, Sandra J. / Psychology
Templeton, David E. / Art
Terey-Smith, Mary / Music
Terich, Thomas A. / Geography
Teshera, Robert W. / Geography
Thomas, Edward B. / Art
Thomas, Leslie J. / History
Thompson, Richard W. / Psychology
Thoreson, Hubert N. / Economics and Business
Thorndike, Robert M. / Psychology
Towner, John C. / Education
Truschel, Louis W. / History
Tweddell, Colin E. / Sociology/Anthropology
Tyler, Vernon O., Jr. / Psychology

Urso, Robert A. / Art
Utendale, John F. / Education

Vander Velde, Philip B. / Education
Vander Yacht, Douglas R. / Speech
Van Wingerden, Stewart / Education
Vawter, Richard D. / Physics
Veit, J. Joseph / Physics
Vernacchia, Ralph A. / Physical Education
Vike, Gene E. / Art
Vogel, Richard F. / Technology

Wallace, William L. / General Studies
Walter, Ada L. / Economics and Business
Waterman, C. Fred / Library
Watrous, Mary W. / Education
Webb, Loren L. / Speech
Webber, Herbert H. / Huxley
Wegner, Walter F. / Art
Weiner, Homer A. / Art
Weiner, Ruth F. / Huxley
Weiss, Rudolf / Foreign Languages
Wellman, Evelyn H. / Music
Weyh, John A. / Chemistry
Whitmer, John C. / Chemistry
Nicholas, Mark L. / Chemistry
Wilkins Jr., James W. / Psychology
Williams, Don C. / Biology
Williams, Gail H. / Mathematics
Wilner, Jeffrey D. / Ethnic Studies
Wilson, H. William / Chemistry
Wiseman, Don W. / Physical Education
Wiseman, Evelyn D. / Physical Education
Witter, George E. / Mathematics
Woll, John W. / Mathematics
Woodring, Paul / Education, Psychology
Wright, Evelyn C. / English

Wuest, John J. / Political Science

Yu, Mng-Ho / Huxley

Ziegler, David W. / Political Science

Zoro, Eugene S. / Music

Sparks, Wayne M./Asst. Dir. of Financial Aid
Stewart, III, Thomas/Acting Asst. to the Dean of Students
Stolcis, William/Dir. of General Services
Talbot, James/Vice Pres. for Academic Affairs & Provost
Thirsk, Robert/Asst. Registrar
Weincr, Ruth/Dean, Huxley College

ADMINISTRATIVE OFFICERS

Albers, James R./Vice Provost for Inst. & Research
Ballough, Harvey R./Chief Accountant
Barnhart, Michael W./Exec. Assistant to the President
Bettis, Joseph D./Dean, Fairhaven College
Blood, Don F./College Examiner
Brock, Gerald W./Business Manager
Burgess, Sara A./Assoc. Dir. of Continuing Education
Clark, Jane E./Dir. of Bureau for Faculty Research
Cole, Donald H./Vice Pres. for Business & Financial Affairs
Collier, Robert P./Dean, College of Business & Economics
Coward, Richard E./Dir. of Financial Aid
Coy, Rodrick C./Dir. of Housing
Daugherty, Mary O./Asst. Dir. of Admissions
Davidson, Melvin G./Dir. of Computer Center
Davis, James W./Dean, College of Arts & Sciences
Douglas, Timothy B./Acting Assoc. Dean of Students
Gallegos, Arnold M./Acting Dean, School of Education
Goltz, Harold A./College Planning Officer
Gregory, William A./Dean, College of Fine & Performing Arts
Guy, Keith L./Dir. of Residence Hall Programs
Heller, Ramon T./Dir. of Public Information
Hiraoka, Jesse/Dean, College of Ethnic Studies
Inge, Steven W./Alumni Relations Officer
Kelly, Samuel P./Dean, Graduate Affairs & Research
Kriz, Jr., George S./Exec. Asst. to the Dean of Arts & Sciences
Kurtz, F. Stephen/Dir. of Publications
Lallas, Louis T./Dir. of Placement
Lawyer, Robert W./Dir. of Library & Instructional Services
Leanderson, Filip/Dir. of Labor Relations
Litzsinger, H. Stuart/Dir. of Maint. & Operations
McDonald, C.W./Vice Pres. for Student Affairs
Mathews, Calvin E./Assoc. Dir. of Admissions for College Relations
Nasburg, Eric W./Dir. of Facilities Development
Nelson, Darlene/Dir. of Institutional Research
Norris, Richard/Asst. Dean, Student Affairs, Fairhaven
Olscamp, Paul J./President
Omey, Eugene/Registrar
O'Neil, William J./Vice Provost for Academic Administration
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Peterson, Robert G./Dir. of Safety & Security
Riehl, Richard J./Dir. of Admissions
Robinson, Mary R./Affirmative Action Officer/Assoc. Dean of Students
Sanden, Damon/Dir. of Space & Schedules
Shuler, Evelyn/Dir. of Health Services
Smith, John J./Asst. Director of Student Activities

SUMMARY OF ENROLLMENT—INDIVIDUALS

<i>Resident</i>	
Summer Quarter, 1976	4,117
Fall, Winter, Spring, 1975-76	12,299
<i>Continuing Education</i>	
Independent Study	389
Off Campus	4,778
Total Continuing Education Enrollment	5,167

DEGREES AND CERTIFICATES

<i>Degrees granted from August, 1975, to June, 1976, inclusive:</i>	
Master of Education	169
Master of Arts	54
Master of Science	30
Bachelor of Arts in Education	402
Bachelor of Arts	803
Bachelor of Science	207
Total	1,665
<i>Teaching Certificates issued from August, 1975, to June, 1976, inclusive:</i>	
Provisional	714
<i>Recommended for certification to the State Superintendent of Public Instruction - Standard Teaching Certificate</i>	434

RETURN POSTAGE GUARANTEED

BELLINGHAM, WASHINGTON 98225