



SUMMER  
SESSION  
1967

UNIVERSITY  
OF OREGON  
EUGENE, OREGON

BULLETIN  
OREGON STATE SYSTEM  
OF HIGHER EDUCATION

UNIVERSITY OF OREGON BULLETIN

NUMBER 141

FEBRUARY 1967

Second-class postage paid at Eugene, Oregon. Issued eight times a year. Published by the Oregon State Board of Higher Education, at the University of Oregon.  
Eugene, Oregon 97403

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SESSION

1967 CATALOG

EUGENE, OREGON



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## Calendar, 1967 Summer Session

June 12, <i>Monday</i> .....	Pre-session workshops begin
June 19, <i>Monday</i> .....	Registration
June 20, <i>Tuesday</i> .....	Classes begin
June 23, <i>Friday</i> .....	Last day to pay registration fees for summer-term courses (8 or 11 weeks) without penalty
July 4, <i>Tuesday</i> .....	Independence Day, holiday
July 14, <i>Friday</i> .....	Last day to file degree application for Summer Graduation Convocation
July 17, <i>Monday</i> .....	Last day to file doctoral dissertations
July 24, <i>Monday</i> .....	Last day to file master's theses
August 10-11, <i>Thursday-Friday</i> .....	Final examinations for eight-week courses
August 12, <i>Saturday</i> .....	Summer Graduation Convocation
August 31-September 1, <i>Thursday-Friday</i> .....	Final examinations for eleven-week courses
September 1, <i>Friday</i> .....	Summer session ends

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- VIRGINIA J. WHITFIELD, Ed.D., Associate Professor of Music (Education).

JACK WILKINSON, Professor of Art; Head of Department of Fine and Applied Arts.

RUTH A. WILLARD, Ed.D., Associate Professor of Education.

MILDRED H. WILLIAMS, Ed.D., Adjunct Associate Professor of Education; Head of Social Science Department, South Eugene High School.

NEIL E. WILSON, M.Mus., Associate Professor of Music (Voice).

HERBERT P. WISNER, M.A., Instructor in Biology.

DONALD I. WOOD, Ed.D., Professor of Education, Rice University; Visiting Professor of Education.

HUGH B. WOOD, Ed.D., Professor of Education.

KENNETH S. WOOD, Ph.D., Professor of Speech; Director, Speech and Hearing Clinic.

EDNA P. WOOTEN, Ph.D., Associate Professor of Physical Education.

PHILIP D. YOUNG, Ph.D., Assistant Professor of Anthropology.

# The Summer Program

Since the University's summer session is designed to meet the educational needs of a broad range of people, the program is arranged to include a wide variety of courses offered within convenient time periods. The program includes :

(1) *Full-term courses eleven weeks in length.* These courses are primarily for undergraduates who wish to accelerate their progress toward a degree, or for entering freshmen who want to test their ability to do college work. Sixteen or more term hours of credit may be earned during the eleven-week session.

(2) *Three-term sequences in the eleven-week session.* In some departments, a three-term sequence can be taken by students wanting to complete a full year's work in one subject during the eleven-week session.

(3) *Eight-week courses.* These courses are designed for both undergraduate and graduate students. Students may normally earn 12 or 13 term hours of credit in eight-week courses.

(4) *Special courses.* The summer program also includes workshops, institutes, conferences, and seminars of varying length and starting at various times throughout the summer.

Students may take courses in any combination of the above time periods.

Further information about summer session may be obtained by writing the Director of Summer Session, Room 116A Education Building, University of Oregon, Eugene 97403.

## Undergraduate Work

**Admission as an Undergraduate.** Formal admission to the University is not required for enrollment in the summer session. However, the summer student who wishes to become a candidate for a degree from the University or intends to continue his studies in the fall, winter, or spring term is encouraged to complete regular University admissions procedures. As early as possible before the opening of the summer session, such a student should send to the Director of Admissions: (1) an application on an official University form; (2) a \$10.00 application fee (this fee is not refundable); (3) official transcripts of all high-school and college records. Specific admission requirements are listed in the general University Catalog.

**Admission Through Prefreshman Program.** A student who is unable to qualify for admission in a regular term on the basis of his high-school record or College Entrance Examination Board test performance may qualify for admission by attendance at a University of Oregon summer session. Nonresident applicants must earn a 2.25 grade-point average on 12 term hours of work which must include 3 units of Writing, 6 units of work chosen from the fields of humanities, social science, or science, and 3 units of free elective. Resident applicants must earn a 2.00 grade-point average on 9 term hours of work, which must include 3 units of Writing and any 6-unit combination of humanities, social science, or science.

Prefreshman students are urged to write the Office of Admissions for more information before the beginning of the summer session.

**Orientation Session.** An orientation session for undergraduates who have not previously attended the University will be held Sunday evening, June 18, in one of the dormitory units. The time and place will be announced. Personnel from the Admissions Office and the Office of Academic Advising will assist new students in understanding the general academic policies of the University and the student-faculty advising system.



**Program Planning.** Essential tools for program planning during the summer are the Summer Session Catalog and the Time Schedule of Classes. Students who plan to attend fall term should also check the Regular Session Catalog, which contains complete statements of official policy and practices on nearly every aspect of the University's operation. It lists and describes all of the courses offered in schools and departments of the University and also gives degree requirements and group requirements.

The Summer Session Time Schedule of Classes indicates the times and places that classes meet. It also has a directory of faculty advisers, the summer academic calendar and term examination schedule, and notes on prerequisites. The Regular Session Catalog and Time Schedule of Classes are available in the Registrar's Office.

**Meeting with an Adviser.** Every student will be advised by a member of the teaching faculty in planning his programs of study and in interpreting the University's academic requirements and regulations. The main objective of the advising program is to help each student make the most of his educational opportunities. The student will consult with a faculty adviser listed in the Summer Session area in which he is most directly interested; if he does not yet have an area of major interest, he should report to the Office of Academic Advising in Room 140 Hendricks Hall for assignment to an adviser. Then he will consult the faculty adviser in his office, and obtain his signature on the Registration Card as part of the registration process.

**Study Loads.** Although there is no prescribed study load during summer session, students can normally take about 15 credit hours during the eleven-week session, or about 12-13 credit hours during the eight-week session. Students may take courses in both the eleven-week and eight-week sessions concurrently.

**Major.** It is not necessary that a student declare an official major during the Summer Session. A freshman planning to continue at the University can spend at least one year fulfilling lower-division group requirements while investigating possible major fields.

The University Counseling Center can assist students in selecting a major by providing aptitude tests and information about various fields and careers. The Counseling Center is located in Susan Campbell Hall.

**Grading System.** Student work is graded as follows: A, exceptional; B, superior; C, average; D, inferior; F, failed; I, incomplete; W, withdrawn. Students ordinarily receive one of the four passing grades or F. When the quality of the work is satisfactory, but some minor yet essential requirement of the course has not been completed for reasons acceptable to the instructor, a report of I may be made and additional time (normally not more than three terms) may be granted for completion of the work. In certain no-grade courses, students receive marks of P (pass), or N (not pass). W indicates official withdrawal from a course by filing the proper forms in the Registrar's Office in accordance with University regulations.

Grade points are computed on the basis of 4 points for each hour of A, 3 for each hour of B, 2 for each hour of C, 1 for each hour of D, and 0 for each hour of F. Marks of P, N, W, and I are omitted from grade point computations. A grade-point average (GPA) is the quotient of the total grade points divided by total graded hours. The total cumulative grade-point average includes all grades earned in all college-level work; the University of Oregon grade-point average includes only grades earned here.

In general, any term or cumulative grade-point average below 2.00 is considered unsatisfactory and may lead to scholastic penalties. Any student who has been admitted to the University for fall term will not have that admission jeopardized by a summer GPA below 2.00, but may then enter fall term on academic probation.

**Student Conduct.** The University of Oregon operates under a progressive student conduct program, based on the assertion that a university is dedicated "not only to learning and the advancement of knowledge, but also to the development of ethically sensitive and responsible persons." The University seeks to achieve these goals through a sound educational program and policies governing student conduct that encourage independence and maturity.

The University does not provide a protective shelter for its students. The responsibility for discipline is placed on the students and their parents. If a student commits a crime in the larger community, he receives no special consideration because he is a University student. He is subject to city, state, or other laws, just as any other offender.

If a student interferes with the University's educational objectives or with the health or safety of others in the University community, he is then disciplined through one of the University's student courts. Minor offenses are taken care of by a group of five minor courts, while major offenses come before the student-faculty court. Thus, students who violate the University's Student Conduct Code are judged by their peers.

The student is provided with procedural fairness and the right to appeal to a higher body, the Student Conduct Committee, a faculty-student committee appointed by the President. The student also has the right to counsel. He may utilize the free service provided by the Student Bar Association in the School of Law, ask a friend or faculty member to appear in his behalf, hire an attorney, or defend himself. The student accused of a violation of the Student Conduct Code has an opportunity to know the nature and source of evidence against him and to present evidence in his own behalf. The University endeavors to pair disciplinary action with counseling, but the latter is not forced upon the student.

It is the responsibility of each student to be familiar with the Student Conduct Code, and its administration. Page 54 of the Student Handbook gives the complete Code of Student Conduct. The handbook may be obtained from the Office of Student Affairs.

## Graduate Work

Many summer courses are available for graduate students; in some departments and professional schools considerable work toward a master's degree may be completed in summer session.

**Admission.** A bachelor's degree from an accredited institution is prerequisite to registration as a graduate student.

A student who plans to use his summer session work toward a graduate degree at the University of Oregon should apply for admission as a graduate student. He must secure approval of admission by the University Admissions Office and by the school or department in which he plans to study. These requirements apply to all prospective graduate students, including former University of Oregon students. If the applicant has not been previously enrolled at the University of Oregon, he must pay a \$10 admission application fee.

**Preparation.** For a graduate major, preparation at the undergraduate level in the same field is required.

**Credit Requirements.** For the departmental master's degree the University requires a program of study of not less than 45 term hours.

**Grade Requirements.** A graduate student is required to earn at least a B grade average to qualify for a graduate degree. A grade-point average of less than 3.00 at any time during the student's graduate studies is considered unsatisfactory, and may result in disqualification by the dean of the Graduate School after

consultation with the student's major department or school. Disqualification means reduction to postbaccalaureate standing. Graduate credit is not granted for a course in which the student earns a grade of D.

**Residence Requirement.** The residence requirement for the M.A., M.S., and M.Ed. degrees (and all other master's degrees except the M.B.A.) is 30 term hours of work on the Eugene campus or at the Medical School, Dental School, or School of Nursing in Portland. A maximum of 36 term hours toward the M.B.A. degree may be earned in courses in the Portland Continuation Center.

**Transferred Credit.** Not more than 15 term hours of credit may be transferred from another institution toward the master's degree. Transferred credit is provisional until the qualifying examination is taken.

**Time Limit.** All work for a master's degree, including work for which credit is transferred, thesis, and final examination, must be completed within a period of seven years.

**Maximum Course Load.** The maximum summer course load for a graduate student devoting full time to graduate study is 13 term hours for the eight-week session or 16 hours for the eleven-week session.

**Thesis Registration.** All graduate students working for an advanced degree for which a thesis is required must register for Thesis (503). The candidate for the M.A. or M.S. degree with thesis earns 9 term hours of credit for this work; a first draft of the thesis must be accepted by the adviser before the student can register for the final 3 hours. Credit for thesis is granted on a no-grade basis.

**Continuous Enrollment of Graduate Students.** Every graduate degree student is required to maintain continuous enrollment until the completion of all requirements for the degree for which he is working, including the awarding of the degree. Three classes of registration are available to meet this requirement: (1) full-time registration, (2) part-time registration, (3) on-leave registration. Graduate students registered on-leave are expected to make no use of University facilities and to place no demands on the faculty; no fees are charged.

## Graduate Program for Teachers

A special program of graduate study for students working toward the satisfaction of the Oregon state requirement of a fifth year of college work for permanent high-school teacher certification is offered as one of the University's programs of interdisciplinary studies. Enrollment is open to any person eligible for admission to the Graduate School; the student, must, however, have a reasonable background of undergraduate study in the fields in which he proposes to work, and must complete prerequisites for specific courses. The requirements for a master's degree in the program for teachers are as follows:

(1) A total of between 45 and 51 term hours in graduate courses, distributed in accordance with (a) and (b) below:

(a) A total of 36 term hours in subject fields (work in liberal arts departments or professional schools other than education), distributed in accordance with one of the following options:

Option 1. Between 15 and 21 term hours in each of two subject fields.

Option 2. A minimum of 36 term hours in any field in which the University offers major work toward the master's degree.

Option 3. A minimum of 36 term hours in the composite field of social studies or the composite field of science. A program in social studies may include work in the fields of anthropology, economics, geography, history, political

science, psychology, and sociology. A program in science may include work in the fields of biology, chemistry, geology, mathematics, and physics.

In each of the options listed above, at least 6 term hours of work must be taken in 500 courses. The student's program must be planned to provide well-rounded knowledge, and must not be made up of scattered, unrelated courses.

For Options 1 or 2, 18 term hours in each of the subject fields involved must be presented as an undergraduate prerequisite. For Option 3, the prerequisite is 36 term hours in the composite field involved.

(b) Between 9 and 15 term hours in graduate courses in the field of education, the number of hours to be determined on the basis of the amount of work in education completed by the student as an undergraduate.

(2) Satisfaction of the regular requirements of the Graduate School for the M.A. or M.S. degree without thesis. The combined total of work transferred from other accredited institutions and work done in the Division of Continuing Education of the Oregon State System of Higher Education cannot exceed 15 term hours.

## Administrative Certificates

The University offers a comprehensive program of graduate work in educational administration in both the regular academic year and in the summer sessions, including two-year programs, which satisfy the requirements for administrative certificates issued by the Oregon State Department of Education.

For admission to these programs the student must: (1) provide evidence of successful completion of work for the master's degree in a standard college or university, or the equivalent; (2) file formal application for admission on a form provided by the School of Education; (3) provide a satisfactory score on the Miller Analogies Test or approved substitute; (4) provide recommendations from a least three persons capable of evaluating the candidate's teaching and administrative experience; (5) present a complete program of studies for either (a) the two-year graduate program in educational administration or (b) the doctoral program in educational administration, with the approval of his advisor; (6) be recommended for admission by the Committee on Advanced Administrative Programs of the School of Education.

**Requirements for a Standard Administrative Certificate.** To qualify for an Oregon standard administrative certificate, the applicant must: (1) hold a valid Oregon standard teacher's certificate or a five-year regular Oregon teacher's certificate; (2) verify five years of successful teaching and administrative experience, at least two years of which has been successful experience in some supervisory or administrative capacity; (3) have completed, for a principal's certificate, 33 quarter hours or, for a superintendent's certificate, 45 quarter hours of upper-division or graduate study in educational administration in a college or university approved by the State Board of Education subsequent to the master's degree; (4) be recommended by the college or university in which he has completed his graduate program in preparation for school administration as having the qualifications essential to a school administrator; (5) have completed specialization requirements set by the State Board of Education. At least two-thirds of the work in the University's programs in educational administration must be completed on the Eugene campus.

**Requirements for a Basic Administrative Certificate.** To qualify for an Oregon basic administrative certificate, the applicant must: (1) hold a valid Oregon teaching certificate; (2) have completed a five-year general teaching norm at the level to be administered; (3) verify three years of legal, successful teaching experience at the level to be administered; (4) verify completion of

nine (9) quarter hours of graduate study in or accepted by a college or university approved by the State Board of Education for the preparation of school administrators, this preparation to be applicable to a planned sixth-year program in the preparation of administrators.

## Registration

The registration process will go smoothly if a student has planned his program and reviewed the registration procedure in advance. Registration includes these six steps: (These are also listed in the Time Schedule).

(1) Registration material: Commencing at 8:00 a.m. June 19 registration material and a Time Schedule can be picked up at Emerald Hall. Student names do not appear on the packets before registration. Each packet is prenumbered and this number becomes a part of the student's number during summer session. Cards from one packet must not be mixed with those in another.

(2) Selection of a faculty adviser (see page 15 for details): The director of advisers is in the Summer Session Time Schedule. If a student does not have a major he should contact the Office of Academic Advising, Room 140 Hendricks Hall.

(3) Enrollment in courses: On registration day the student should go to the school or department offices to register for his courses. For instance, he would register for a mathematics course in the Department of Mathematics office in Deady Hall. There is an office directory in the back of this catalog and in the Time Schedule of Classes. When he registers, the student should leave an instructor's card and obtain a department stamp on his registration card for each course on his program. If he must drop a course after receiving a stamp, he should secure a second stamp in the "credit" column of the registration card. The first stamp is not cancelled simply by crossing it off the card; the student will still be enrolled in the course. On the registration card should be listed all sections in which the student is enrolling, including discussions (+DIS) and labs (+LAB). To audit a course (take it without credit), the same procedure is followed, with "audit" written on the registration card. Usually the instructor's permission is required to audit a course.

(4) Checking of cards by Student Affairs clerk: After registering for all of his classes, the student must have his various cards processed at the tables on the second floor of the Student Union.

(5) Fee assessment: Personnel of the Registrar's Office will check registration cards and mark the fee assessment on the fee card. After June 19, fees will be assessed in 102 Emerald Hall.

(6) Payment of fees: Fees may be paid in the Student Union on Monday, June 19, or later in 107 Emerald Hall.

If steps 4, 5, and 6 are not completed on Monday, June 19, the student may do so later in Emerald Hall, making certain to observe the deadline for payment of fees. Full-time students in eight-week or eleven-week courses will be charged a late fee after June 23. Students must complete all the steps of registration before they are entitled to student privileges.

**Adding and Dropping Courses.** To add or drop a course, a course-change card should be picked up from the Registrar's Office. A departmental stamp is then obtained on the card, which is returned to the Registrar's Office. This *must* be done before termination of the course. A second registration packet is not required in order to add courses during the summer.

## Summer Session Fees

Students attending summer session classes for credit or as auditors pay the same fees. Registration and other summer session fees are listed below. The Business Office is open for payment of fees from 8:00 a.m. to 12:00 noon and from 1:00 to 4:00 p.m., Monday through Friday.

Registration fee, eight-week session.....	\$110.00
Registration fee, eleven-week session.....	\$110.00

Students registering for 8 or more term hours of work (for credit or as auditors) pay these fees. There is no additional out-of-state fee for the summer session. Graduate students employed as teaching or research assistants during the summer session pay a fee of \$32.00.

Part-time fee.....	\$28.00 to \$98.00
1 or 2 term hours, \$28.00; 3 term hours, \$42.00; 4 term hours, \$56.00; 5 term hours, \$70.00; 6 term hours, \$84.00; 7 term hours, \$98.00. Paid also by auditors attending classes carrying a total credit of 7 term hours or less.	

Late-registration fee for full-time students, per day (after initial charge of \$5.00 for the first day late).....	\$1.00
All full-time students pay the late-registration fee if they register for summer-term courses after June 23.	

Graduate qualifying examination fee.....	\$1.00 to \$15.00
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Staff fee, per term hour.....	\$3.00
With specified approval, staff members enrolled in University courses pay a special staff fee of \$3.00 per term hour. Full-time staff members (academic or civil service) may enroll under this fee for a limited amount of work for credit, generally for not more than 3 term hours of work in any term; staff members employed half-time or more, but less than full time, may enroll under this fee for a maximum of 10 term hours of work. Staff members may be permitted to take noncredit courses at approximately one-third of the fee assessed to other registrants.	

### Fees for school psychological services:

Diagnostic service (school enrolled).....	\$10.00
Diagnostic service (preschool and postschool service).....	25.00
Remedial and counseling service.....	15.00
College prep reading service.....	25.00
Adult reading service.....	25.00

Music fees .....	see page 74
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**Fee Refunds.** Students who withdraw from the summer session and who have complied with the regulations governing withdrawal are entitled to certain refunds of fees paid, depending on the time of withdrawal. A schedule of fee refunds is on file in the University Business Office.

Refunds in all cases are calculated from the date of application for the refund, and not from the date the student ceased attending classes.

## Living Accommodations

No deposit or advance payment is required for summer session dormitory accommodations. Dormitory rooms for men and women and for married couples without children will be available throughout the summer.

Comfortable, healthful, and congenial living conditions contribute much to the success of University life and work. Living conditions of the right kind aid students to do their best in their studies and contribute, through the experiences of group life, to the building of character and personality. Hence the University is vitally concerned with student housing. Counselors and head residents provide supervision for undergraduates living in all dormitories.

The University dormitories will open at 9:00 a.m. on Sunday, June 18. Upon arrival students who wish University housing accommodations should go to the Housing Office in Carson Hall, Thirteenth and Emerald Streets, to obtain assignments. Meal service will begin with breakfast on Monday, June 19.

For eight-week session students, the dormitories will close at 7:00 p.m. on Friday, August 11, following the evening meal. For eleven-week session students the dormitories will close at 7:00 p.m. on Friday, September 1, following the evening meal.

The University maintains six dormitories, accommodating 3,143 students. Living conditions are comfortable and conducive to successful academic accomplishment and to participation in activities of campus life.

Linen (blankets, sheets, pillows, pillow cases), water glasses, ashtrays, study lamps, wastebaskets, wardrobe, and laundry facilities are provided in all dormitories. Student occupants must furnished towels and iron.

Students living in dormitories must board in dormitory dining halls. They may choose seven-day-week board or five-day-week board (the five-day-week board includes Monday breakfast through Friday lunch; students choosing five-day board may purchase week-end meals on a per-meal basis).

Both single and double rooms are available; since dormitory room assignments are made as students arrive, friends may room together if they are in the same class and register for their rooms at the same time.

Room and board charges are payable in advance at the opening of the session. Persons attending eight-week or eleven-week sessions may, however, elect to pay in two installments of one-half the total charge. The first installment is due June 19, payable not later than June 28. The second installment is due July 17, payable not later than July 26. A penalty charge of \$1.00 per day up to a maximum of \$5.00 is made if the first installment is not paid by June 28, or if the second installment is not paid by July 26. Dormitory residents enrolled for short courses are charged upon arrival for the number of weeks they will be staying.

Board and room charges are paid at the University Cashier's Office, Emerald Hall. This office is open Monday through Friday, from 8:00 a.m. to 12:00 noon, and from 1:00 p.m. to 4:00 p.m.

**Dormitory Rates.** The rates for room and board in the University dormitories during the summer session are as follows :

Length of Session	Board		Room	
	Five-Day Week	Seven-Day Week	Multiple	Single
Eleven Weeks.....	\$165.00	\$192.50	\$98.00	\$147.00
Ten Weeks.....	150.00	175.00	92.00	138.00
Nine Weeks.....	135.00	157.50	86.00	129.00
Eight Weeks.....	120.00	140.00	80.00	120.00
Seven Weeks.....	105.00	126.00	74.00	111.00
Six Weeks.....	90.00	108.00	68.00	102.00
Five Weeks.....	75.00	90.00	62.00	93.00
Four Weeks.....	68.00	80.00	56.00	84.00
Three Weeks.....	51.00	60.00	42.00	63.00
Two Weeks.....	34.00	40.00	28.00	42.00
One Week.....	17.00	20.00	14.00	21.00
Daily .....	4.00	4.00	2.50	3.50

**Undergraduate Housing Rules.** Freshman students are required to live in dormitories. Other undergraduate students under 21 years of age who are not living with parents are required to live in dormitories, cooperative houses, or fraternity or sorority houses unless parental permission to live off campus in quarters found on the approved list maintained by the Housing Office is given to the Office of Student Affairs. Students living with relatives, or working for room and board in the Eugene-Springfield area, may live in other housing with the consent of their parents.

**Private Rentals.** The University Housing Office in Carson Hall maintains an approved list of private rentals for single and married students. The approved list is available upon request. Students requesting rental information should indicate whether they want furnished apartments, unfurnished apartments, furnished houses, unfurnished houses, rooms for men, rooms for women, rooms for men or women, room and board for men, room and board for women, room and board for men or women. The Housing Office does not make individual rental arrangements; students would be wise to arrive in Eugene before the beginning of the session to locate suitable housing.

**Housing for Married Students.** The University operates housing units for married students, some of which are available for the summer session. Married students interested in these quarters should write as soon as possible to the Director of University Housing, Carson Hall.

Dormitory facilities will be available for married couples without children at the regular individual double-room rate for each person. Married couples, to be certain of accommodations, must make advance reservations with the Director of Dormitories, Carson Hall. Individual applications must be submitted by husband and wife.



# Services and Facilities

**The University Library.** The services of the University of Oregon Library are organized in broad subject divisions: Social Science, Science, Humanities, and General Reference. Each of the divisions has its own reading areas, conveniently integrated with its book collections. All University students have free access to the book stacks. A Science Divisional Library is under construction with an expected completion date of summer 1967.

The services of the subject divisions are supplemented by the Audiovisual Media Center which provides facilities for the production, preservation, and use of recordings, slides, films, and similar materials, and by the Special Collections Division which is responsible for the development and care of collections of Pacific Northwest historical materials, rare books, manuscripts, and University archives.

The Library's facilities for undergraduate work are excellent, and strong collections for advanced study and research are being built in the various fields of liberal and professional scholarship. All of the books in the libraries of the institutions of the Oregon State System of Higher Education are available to the students and faculty of the University.

Books other than reference books and those especially reserved for use in the Library may be borrowed for a period of two weeks, with the privilege of renewal if there is no other demand. Library privileges are extended to all University students and staff members, and may be granted to other persons upon application.

The Library is open during the following summer hours: *June 19 to August 11*—Monday through Thursday, 8:00 a.m. to 10:00 p.m.; Friday, 8:00 a.m. to 9:00 p.m.; Saturday, 8:00 a.m. to 5:00 p.m.; Sunday 2:00 p.m. to 10:00 p.m.; *August 12 to September 1*—Monday through Thursday, 8:00 a.m. to 8:00 p.m.; Friday and Saturday, 8:00 a.m. to 5:00 p.m.; Sunday, 2:00 p.m. to 10:00 p.m.

**Museum of Art.** The Museum of Art, housing the Murray Warner Collection of Oriental Art and other University art collections, was erected in 1930. The building and the garden court adjoining it, both dedicated to the memory of Prince Lucien Campbell, fourth president of the University, were financed through gifts.

The Warner Collection was given to the University in 1921 by Mrs. Gertrude Bass Warner as a memorial to her husband, Major Murray Warner, with whom she had been collecting works of Oriental art from the time of their marriage in China in 1904 until his death in 1920. Mrs. Warner continued until her death in 1951 to augment and improve the collection and direct its exhibition. She also established a museum reference library for studies in Oriental art; the collection is now known as the Gertrude Bass Warner Memorial Library.

The Murray Warner Collection includes 3,196 accessioned objects, representing principally the cultures of China and Japan, but including some works of art from Korea, Cambodia, Mongolia, and Russia.

The first-floor galleries of the Museum of Art are reserved for the showing of traveling exhibitions, the display of special study materials, and exhibitions of the work of local and Northwest artists. Exhibitions and acquisitions for the permanent collections are financed principally through a Friends of the Museum organization; membership is open to the public.

**Museum of Natural History.** The Museum of Natural History is primarily a research department devoted to studies of the history of the earth, plants, animals, and man as found in Oregon. The knowledge gained in these studies is made available to the public through displays, publications, a public-school loan program, a museum information service, and loans to other institutions. As a repository, the Museum of Natural History maintains large collections of fossils, plants, animals, rocks, and the objects used by primitive man.

In addition to storage and display areas, the Museum of Natural History has

a preparation laboratory and shop, an archaeology laboratory, palaeoecology laboratories including facilities for the study of sedimentation and pollen, and drafting, illustration, and darkroom areas, for staff and graduate-student research.

The Museum is located in the Anthropology-Museum Building and is open Monday through Friday from 8:00 a.m. to 4:30 p.m. during the summer.

**Miniature Wagon Museum.** The Miniature Wagon Museum, located in Erb Memorial Union, houses more than fifty miniatures of wagons, coaches, and other horse-drawn equipment used in America in the nineteenth and early twentieth centuries. The miniatures are authentic reproductions one-eighth actual size. Many of the wagons are displayed in recreated historical settings.

**Counseling Center.** The University Counseling Center provides facilities for testing and counseling University students, to help them in making wise choices in their studies, and in solving academic and personal problems. Counseling and vocational testing services are available for students seeking career-planning assistance, reading-study improvement, speech-hearing correction, and personal counseling. The Counseling Center is open from 8:00 a.m. to 5:00 p.m., Monday through Friday.

**University Placement Service.** The University maintains a central Placement Service for the assistance of graduating students and alumni seeking new or better positions. The Placement Service serves students in all schools and departments in the University, including those trained in business and technical fields as well as in education and the liberal arts.

Students who are enrolled in or have completed 12 hours of matriculated work at Oregon are eligible for graduate placement services. Initial placement services are extended without charge to students who have pursued uninterrupted study in residence at the University of Oregon. It is given without a fee to all undergraduates who complete their baccalaureate degree. Alumni or graduate students who have been regularly employed or graduate students who did not receive their undergraduate training at the University of Oregon are subject to a \$5.00 fee.

**International Student Adviser.** A member of the staff of the Office of Student Affairs serves as a special adviser to students from abroad who are attending to University, to assist them with personal problems and with adjustments to the customs and procedures of American educational systems. The international student adviser is prepared to give advice and help in connection with visas, government regulations, scholarships, employment, and general orientation to American life. He is also prepared to advise American students planning study abroad.

**Office of Academic Advising.** The main responsibility of the Office of Academic Advising is to provide academic advising for students who have not chosen a major field. When a previously uncommitted student selects a major field, he is transferred to his department or school for advising.

This office also serves as a coordinating center for the advising program and as a clearing house for information on academic requirements and regulations. Students can direct inquiries on these matters to the Office of Academic Advising at any time.

**Student Health Service.** Through the Student Health Service the University strives to safeguard the health of its students. This is accomplished through health education, medical treatment of disease, and limited psychiatric and counseling services.

The student health services in the institutions in the Oregon State System of Higher Education are supported by student registration fees. Every student registered for credit during Summer Session is entitled to all the services offered by the Student Health Service. Physical examinations and immunizations are not

required of summer students. Summer Session students enrolling in fall term should consult the general bulletin for immunization and physical examination requirements. Health Service hours are 8:00 a.m. to 5:00 p.m., Monday through Friday.

**Office of Student Affairs.** Counseling and assistance in student life and group activities is the responsibility of the Office of Student Affairs. The Dean of Students is assisted by associate deans who specialize in the problems of men students, women students, graduate students, international students, student conduct, and in financial aids, graduate placement, housing, and student employment. The Office of Admissions, the Registrar's Office, and the University Counseling Center also operate under the general direction of the Dean of Students.

Students are encouraged to call on the dean or on any of his associates for advice and help.

**The Student Union.** The Erb Memorial Student Union is a building dedicated to making the extracurricular activity of students an integral part of their education. It provides group meeting rooms, a lounge, soda bar, cafeteria, and dining room, an art gallery, a large ballroom, and a Browsing Room, a branch of the University Library. Student activity offices are on the third floor. For recreation there is a "listening room" for classical music, a room for jazz, a piano practice room, a "combo" practice room, sixteen-lane bowling alley, pool and billiard tables, and table tennis and shuffleboard facilities. Also housed in the building are the offices of the Y.M.C.A., a branch of the U.S. Post Office, and a six-chair barber shop.

**Student Employment.** The Student Employment Office, in cooperation with the Oregon State Employment Service, assists University of Oregon students in finding part-time or temporary work while attending school and assists wives or other dependents of students in finding full-time or part-time work. There is no fee charged for this service. The office is located on the second floor of Susan Campbell Hall.

**Traffic and Parking Regulations.** Students operating cars, motor scooters, or motorcycles on the campus are subject to the rules and regulations governing the use of motor vehicles. Student vehicles must be registered and must display a parking permit. Vehicle registration and parking permits can be taken care of at the Business Office. During registration students will receive a complete list of regulations.

# Special Courses and Programs

Special courses, conferences, institutes, short seminars, workshops, and other courses of an intensive nature offered during the summer session are listed below.

Daily class meeting hours are scheduled in proportion to the amount of credit granted. The Time Schedule of Classes for the summer session will be available in May; you may receive a copy by mailing the Information Request Card in the back of this Catalog.

Fees in addition to the usual charge of \$14.00 per credit hour may be charged for special courses. If an additional fee is charged, this will be indicated in the course description under INSTRUCTION.

Special courses for which financial aids are available for qualified students are indicated (†). Brochures are available for special courses marked (\*). Brochures may be obtained by using the Information Request Card or by writing the sponsoring professional school or department.

Other special courses may be arranged later. For a more complete list, mail the Information Request Card in the back of this Catalog, requesting the Special Courses List, available in May.

Five-hundred-level courses carry graduate credit; 400-level courses designated (G) carry major graduate credit; 400-level courses designated (g) carry minor graduate credit.

Course descriptions can be found under INSTRUCTION.

- \*Art 311. **Art in the Elementary School.** 2 hours. June 19-30.
- \*Art 312. **Art in the Elementary School.** 2 hours. July 3-14.
- \*ArE 313. **Art in the Elementary School.** 3 hours. July 17-August 4.
- \*ArE 411. **Methods and Research Materials: Art in Elementary Schools.** (G) 3 hours. June 19-July 14.
- \*ArE 507. **Seminar: Art in Society.** 2-3 hours. June 19-July 14.
- \*BEd 508. **Workshop: Current Trends in Bookkeeping.** 3 hours. June 19-30.
- \*BEd 508. **Workshop: Current Trends in Office Practice.** 3 hours. July 3-14.
- \*BEd 508. **Workshop: Current Trends in Typewriting.** 3 hours. July 17-28.
- \*†FBE, Ed 508. **Family Finance Education.** 6 hours. June 19-July 14.
- Ed 333. **Teaching Mathematics in Elementary Schools.** 3 hours. July 17-August 11.
- Ed 335. **Teaching Reading in the Elementary School.** 3 hours. June 19-July 14.
- Ed 408. **Nutrition Education in Action.** (g) 3 hours. June 19-30.
- Ed 427. **School Activities.** (G) 3 hours. July 17-August 11.
- Ed 484. **The Junior High School.** (G) 3 hours. June 19-July 14.
- Ed 507. **Seminar: International Education.** 3-4 hours. July 17-August 11.
- Ed 507. **Seminar: Clinical Supervision.** 3 hours. June 19-July 14.
- \*Ed 508. **Workshop: The Educator and His Profession.** 2 hours. August 14-18.
- \*Ed 508. **Workshop: Developing Instructional Materials about Ecuador and South America.** 4 hours. June 17-July 19. (Quito, Ecuador).
- Ed 508. **Workshop: Visual Aids in Geography.** 3 hours. July 17-August 11.
- Ed 508. **Workshop: Methods of Teaching Transformational Grammar (Secondary School).** 2 hours. June 19-30.
- Ed 508. **Workshop: Methods of Teaching Written and Oral Composition (Secondary School).** 2 hours. July 3-14.
- Ed 508. **Workshop: Methods of Teaching Literature (Secondary School).** 2 hours. July 17-28.

- Ed, Eng 508. **Workshop: "New English."** (for secondary-school administrators and language arts supervisors) 3 hours. June 19-30.
- Ed 508. **Workshop: The Geography Curriculum in the Secondary Schools.** 3 hours. June 19-July 14.
- \*Ed 508. **Workshop: The Student Council.** 3 hours. August 13-25.
- Ed 509. **Practicum: Clinical Supervision.** 3 hours. June 19-July 14.
- Ed 572. **Public School Administration.** 3 hours. June 19-July 14.
- Ed 594. **Methods in Secondary-School Mathematics.** 3 hours. June 19- July 14.
- Ed 595. **Methods in Secondary-School Science.** 3 hours. June 18-July 14.
- Ed 596. **Methods in Secondary-School Social Studies.** 3 hours. June 19-July 14.
- Geog 301. **Geography of Oregon.** 3 hours. June 19-July 14.
- Geog 302. **Geography of North America.** 3 hours. July 17-August 11.
- \*Geol 408. **Workshop: Volcanology.** (g) 2 hours. August 7-12.
- Geol 455. **Studies in Physical Geology.** (g) 2 hours. August 7-12.
- HEc 430. **Personal and Family Finance.** 3 hours. June 19-July 14.
- †J 407. **Seminar: High-School Journalism.** (g) 4 hours. June 26-July 14; July 17-August 4.
- \*GL, RL 508. **Workshop: Methods and Materials for Teaching Modern Languages.** 6 hours. June 19-July 14.
- \*MuE 508. **Workshop: Introducing Children to Music.** 2 hours. June 19-30.
- \*Mu 508. **Workshop: Harp.** 2 hours. July 3-14.
- \*Mu 508. **Workshop: Piano.** 2 hours. July 17-21.
- Soc 301. **American Society.** 3 hours. August 14-September 1.
- \*Sp 508. **Workshop: Educational Television.** 4 hours. June 12-23; August 14-25.
- \*PE 406. **Coaching Clinic.** 1-2 hours. June 12-16.
- \*PE 408. **Workshop: Teaching in Aquatics.** 3 hours. June 12-16.
- \*PE 408. **Workshop: Secondary-School and College Physical Education.** 1-6 hours. June 19-July 10.
- \*PE 408, 508. **Workshop: Elementary-School Physical Education.** 2 hours. June 12-16.
- \*RM 408, 508. **Workshop: Outdoor Recreation and Camping.** 3 hours. June 12-17.
- \*HE 463. **Social Health.** (G) 3 hours. June 12-16.
- \* Summer Academy of Contemporary Arts.**
- PE 440. **Contemporary Dance.** (G) 1-2 hours. June 20-30.
- Art 440. **Contemporary Art.** (G) 1 hour. (Date to be announced.)
- Eng 440. **Contemporary Literature.** (G) 1-2 hours. July 17-27.
- Sp 440. **Contemporary Drama.** (G) 1-2 hours. (Date to be announced.)

**\*High-School Music Summer Session**

**Band**—June 19-30.

**Orchestra**—July 3-14.

In addition, a number of four-week special seminars, reading and conference courses, and practicums will be offered by several instructional divisions during the summer.

# Instruction

## Anthropology

Assistant Professors: SIMONDS, WALLACE, YOUNG.

Anth 315. **Peoples of the World.** 3 hours.

Eight-week session. Survey of subsistence agriculturalists and nomadic pastoralists. Materials drawn from Africa, Asia, Oceania, and the Americas. Young.

Anth 320. **Physical Anthropology.** 3 hours.

Eight-week session. Consideration of man's place among the Primates, fossil man and the principles operative in human evolution. Simonds.

Anth 401. **Research.** Hours to be arranged.

Eight-week session.

Anth 408. **Field Work in Anthropology.** (G) 6 hours.

Eight-week session. Introduction to archaeological field techniques by excavation of local sites; lectures and laboratory in techniques; lectures and readings in Northwest prehistory. Wallace.

Anth 414. **Race and Culture.** (G) 2 hours.

Eight-week session. Racial classifications; the biological base of culture; attitudes toward race in human relations. Simonds.

Anth 418. **The American Indian.** (G) 3 hours.

Eight-week session. Indian life in Central America before white contact; contemporary Indian life where groups still survive. Young.

Anth 501. **Research.** Hours to be arranged.

Eight-week session.

Anth 503. **Thesis.** Hours to be arranged.

Eight-week session.

Anth 505. **Reading and Conference.** Hours to be arranged.

Eight-week session.

Anth 507. **Seminar: Scope and Methods of the Social Sciences.** 3-6 hours.

Eight-week session. Background and perspectives of the social science disciplines—anthropology, economics, political science, psychology, and sociology. Selected aspects of social organization and process considered in detail.

## Architecture and Allied Arts

Visiting Faculty: E. BALDINGER, BECK, KRAUSE, SAYERS, WHITE.

Professors: BALLINGER, WILKINSON.

Associate Professors: BURGNER, NIXON.

Assistant Professors: KLEINSASSER, SOEDER, STANNARD, THOMPSON.

## Applied Design

Art 255. **Ceramics.** 2-3 hours.

Eight-week session. Introduction to ceramic techniques and materials; throw-

ing, molding, and hand building; surface decorating of two- and three-dimensional surfaces. Students participate in stacking, firing, and drawing the kiln. Open to nonmajors. Stannard.

Art 256. **Beginning Weaving.** 2-3 hours.

Eight-week session. Introduction to basic weaving techniques; the dressing, care, and manipulation of several types of looms; experimentation with a wide variety of fibers; production of textiles of original design on four- and ten-harness looms. Nixon.

Art 257. **Metalwork and Jewelry.** 2-3 hours.

Eight-week session. The handworking of nonferrous metals—cooper, brass, pewter, silver, gold. Development of design for metal objects; enameling on metal; centrifuge casting. Nixon.

Art 401. **Special Studies.** Hours to be arranged.

Eight-week session.

Art 401. **Special Studies: Ceramics.** Hours to be arranged.

Eight-week session. Stannard.

Art 405. **Reading and Conference.** Hours to be arranged.

Eight-week session.

Art 455. **Advanced Ceramics.** (G) 2-3 hours.

Eight-week session. Advanced studio work; individual projects; emphasis on creative form. Study of material, texture, and functional relationships; body and glaze making; earthenware, stoneware, and porcelain; kiln atmosphere and effects on body glaze. Students assume responsibility for firing their own work. Prerequisite: 6 hours of Art 255. Stannard.

Art 456. **Advanced Weaving.** (G) 2-3 hours.

Eight-week session. Emphasis on creative work. Production of a wide variety of handwoven fabrics; historical studies, fabric analysis, spinning, and dyeing. Nixon.

Art 457. **Advanced Metalwork and Jewelry.** (G) 2-3 hours.

Eight-week session. Emphasis on creative work. Advanced problems of forging, centrifuge casting, enameling, etching, and repoussé. Nixon.

Art 501. **Special Studies.** Hours to be arranged.

Eight-week session.

Art 501. **Special Studies: Ceramics.** Hours to be arranged.

Eight-week session. Stannard.

Art 505. **Reading and Conference.** Hours to be arranged.

Eight-week session.

## Architecture

Arch 387. **Architectural Design.** 4-6 hours.

Eight-week session. No-grade course. Offered only for students needing, at most, one term of credit in Arch 387. Prerequisite: Consent of Instructor. Thompson.

Arch 487. **Architectural Design.** 5-6 hours.

Eight-week session. No-grade course. Offered only for students needing, at most, one term of credit in Arch 487. Prerequisite: Consent of Instructor. Sayers.

Arch 587. **Architectural Design.** 6 hours.

Eight-week session. No-grade course. Offered only for students nearing completion of terminal project. Prerequisite: Consent of Instructor. Kleinsasser.

## Art Education

### Art 311, 312. **Art in the Elementary School.** 2 hours each term.

Introduction to the visual arts through laboratory experiences; design, drawing, painting, and other two-dimensional activities with materials appropriate for the primary- and secondary-school child; lectures, group discussions, evaluations, studio work. Second session: continuation of art experiences for the elementary-school child with emphasis on three-dimensional form. Burgner.

Art 311. *Art in the Elementary School (First Term).* 2 hours.

First two weeks. June 20-June 30.

Art 312. *Art in the Elementary School (Second Term).* 2 hours.

Second two weeks. July 3-July 14. Prerequisite: Art 311.

### ArE 313. **Art in the Elementary School.** 3 hours.

Three weeks. July 17-Aug. 4. Critical examination of individual and group activities currently offered in the elementary-school art program; lectures, curriculum design, evaluation of process and technique; literature in the field. Satisfies the Oregon State Department of Education methods-course requirement. Prerequisite: Art 311, 312, or consent of instructor. Burgner.

### ArE 401. **Special Studies: Art History in the Secondary School Curriculum.** (G) 3 hours.

Eight-week session. Teaching of art history in the secondary school instructional program; historical and critical approaches to the study of painting, sculpture, and architecture. Illustrated lectures, readings, and class discussions. Of particular interest to librarians and to history, art, and social science teachers. Ballinger.

### ArE 401. **Special Studies.** Hours to be arranged.

Eight-week session. First four weeks. June 20-July 14.

Second four weeks, July 17-August 11. Ballinger.

### ArE 405. **Reading and Conference.** Hours to be arranged.

Eight-week session. First four weeks, June 20-July 14.

Second four weeks, July 17-August 11. Ballinger.

### ArE 409. **Practicum.** (g) Hours to be arranged.

First four weeks, June 20-July 14. Practicum experience provided in the use of creative activities as problem-solving opportunities for the mentally retarded child; laboratory experiences with art and craft materials. Ballinger.

### ArE 411. **Methods and Research Materials: Art in Elementary Schools.** (G) 3 hours.

First four weeks, June 20-July 14. The effective use of ideas and materials in creating activities, research, methods, and current literature in the field. Prerequisite: one year's teaching experience or academic work in the visual arts. White.

### ArE 501. **Special Studies.** Hours to be arranged.

Eight-week session. First four weeks, June 20-July 14. Second four weeks, July 17-August 11. Ballinger.

### ArE 505. **Reading and Conference.** Hours to be arranged.

Eight-week session. First four weeks, June 20-July 14. Second four weeks, July 17-August 11. Ballinger.

### ArE 507. **Seminar: Art in Society.** 2-3 hours.

First four weeks, June 20-July 14. White.

## Drawing and Painting

### Art 290. **Painting.** 2-3 hours.

Eight-week session. Instruction in the use of oil color, water color, and other media. Soeder, Krause.



- Art 291. **Drawing.** 1-3 hours.  
Eight-week session. Training in observation and selection of significant elements. Wilkinson, Krause.
- Art 349. **Fundamentals of Print Making.** 3 hours.  
Eight-week session. Graphic reproduction and print techniques in silk screen, block printing, and photographic processes. Krause.
- Art 392. **Composition and Visual Theory.** 2-4 hours.  
Eight-week session. Light, color, and design as they relate to painting problems; relationship of painting to architecture; mural design and other problems. Wilkinson.
- Art 401. **Special Studies.** Hours to be arranged.  
Eight-week session.
- Art 405. **Reading and Conference.** Hours to be arranged.  
Eight-week session.
- Art 440. **Contemporary Art.** (G) 1 hour.
- Art 490. **Advanced Painting.** (G) 2-4 hours.  
Eight-week session. Advanced problems in portrait figure, landscape, and still life, in all media. Prerequisite: 12 hours in Art 290 or Art 390. Wilkinson.
- Art 491. **Advanced Drawing.** (G) 1-4 hours.  
Eight-week session. Advanced work in drawing. Study of form from the figure. Prerequisite: 6 hours in Art 291 or Art 391. Soeder.
- Art 492. **Composition and Visual Theory.** (G) 2-4 hours.  
Eight-week session. A study of light, color, and visual processes as they relate to easel and mural painting. Wilkinson.
- Art 501. **Special Studies.** Hours to be arranged.  
Eight-week session.
- Art 501. **Special Studies: Advanced Print Making.** Hours to be arranged.  
Eight-week session. Krause.
- Art 505. **Reading and Conference.** Hours to be arranged.  
Eight-week session.
- Art 509. **Terminal Creative Project.** Hours to be arranged.  
Eight-week session. Wilkinson.
- Art 590. **Graduate Studies in Painting, Drawing, and Design.** Hours to be arranged.  
Eight-week session.

## History of Art

- ArH 401. **Special Studies.** Hours to be arranged.  
Eight-week session.
- ArE 401. **Special Studies: Art History in the Secondary School Curriculum.** (G) 3 hours.  
Eight-week session. Teaching of art history in the secondary school instructional program; historical and critical approaches to the study of painting, sculpture, and architecture. Illustrated lectures, readings, and class discussions. Of particular interest to librarians and to history, art, and social science teachers. Baldinger.
- ArH 405. **Reading and Conference.** Hours to be arranged.  
Eight-week session.
- ArH 407. **Seminar: Japanese Art and America.** 3 hours.  
Eight-week session. A brief survey of Japanese art with special attention to

the influence of Japan on American architecture, painting, and landscape design in the modern period. Baldinger.

ArH 501. **Special Studies.** Hours to be arranged.  
Eight-week session.

ArH 503. **Thesis.** Hours to be arranged.  
Eight-week session.

ArH 505. **Reading and Conference.** Hours to be arranged.  
Eight-week session.

ArH 507. **Seminar: Japanese Art and America.** 3 hours.  
Eight-week session. A brief survey of Japanese art with special attention to the influence of Japan on American architecture, painting, and landscape design in the modern period. Baldinger.

## Sculpture

Art 293. **Elementary Sculpture.** 2-4 hours.  
Eight-week session. Introduction to materials. Elementary considerations of forms; technical and compositional exercises in clay, plaster, wood, and stone. Beck.

Art 401. **Special Studies.** Hours to be arranged.  
Eight-week session.

Art 405. **Reading and Conference.** Hours to be arranged.  
Eight-week session.

Art 494. **Advanced Sculpture.** (G) 2-4 hours.  
Eight-week session. Coordination of sculpture with related fields of architectural, landscape, interior, and industrial design. Beck.

Art 501. **Special Studies.** Hours to be arranged.  
Eight-week session.

Art 505. **Reading and Conference.** Hours to be arranged.  
Eight-week session.

## Biology

Visiting Faculty: COHEN, HARRIS.

Professor: RISLEY.

Instructors: EBERT, GOLDIN, MURPHY, WISNER.

Bi 101, 102, 103. **General Biology.** 4 hours each term.

Fundamental principles of life science illustrated by studies of structure, function, and evolution in animals and plants. A three-term sequence. Students who have taken one or two terms previously should consult the instructor. Goldin.

Bi 101. *General Biology. (First Term).* 4 hours.  
First four weeks, June 19-July 14.

Bi 102. *General Biology. (Second Term).* 4 hours.  
Second four weeks, July 17-August 11.

Bi 103. *General Biology. (Third Term).* 4 hours.  
Three weeks, August 14-September 1.

Bi 356. **Vertebrate Embryology.** 4 hours.

Eight-week session. Gametogenesis, fertilization, development of the vertebrate body plan and its organogeny, as illustrated by amphibian and chick embryos; more limited use of invertebrates and mammals; study of serial

sections of embryos of successive ages supplemented by living material. (Secondary teachers may enroll in Bi 596.) Prerequisite: Bi 101, 102, 103. Risley.

Bi 401. **Research.** Hours to be arranged.

Eight-week session.

Bi 403. **Thesis.** Hours to be arranged.

Eight-week session.

Bi 405. **Reading and Conference.** Hours to be arranged.

Eight-week session.

Bi 407. **Seminar.** Hours to be arranged.

Eight-week session.

Bi 408. **Laboratory Projects.** (G) Hours to be arranged.

Eight-week session.

Bi 417. **Introduction to Mammalian Physiology.** (g) 4 hours.

Eight-week session. Introduction to the physiology of mammalian organs and systems, with special emphasis on their interrelations and contributions to a well integrated, complete animal organism. Prerequisite: Bi 101, 102, 103 and General Chemistry. Harris.

Bi 434. **Plant Anatomy.** (G) 4 hours.

Eight-week session. Comparative study of the structure and development of cells, tissues and organs of seed plants. Cohen.

Bi 459. **Ornithology.** (G) 4 hours.

Eight-week session. Natural history and identification of birds involving field work and supporting laboratory activities. Study will include aspects of structural adaptation, behavior, distribution, migration and ecology. It is intended to be of special value to teachers. Prerequisite: Consent of instructor. Wisner.

Bi 471. **Principles of Ecology.** (G) 4 hours.

Eight-week session. Introduction to the study of the distribution and abundance of organisms; examples from Oregon plants and animals; field work. Prerequisite: General Biology, General Chemistry, College Algebra, and consent of instructor. Ebert.

Bi 496, 497. **Laboratory and Field Methods in Biology.** (G) 4 hours.

Eight-week session. Designed especially to meet the needs of biology teachers. Field collection, identification, and culturing of living material; utilization of this material in the biology teaching laboratory. The student should be prepared for numerous field trips, including several week ends, for exploration of the various kinds of habitats found in the Northwest. Prerequisite: Consent of instructor. Murphy.

Bi 501. **Research.** Hours to be arranged.

Eight-week session.

Bi 503. **Thesis.** Hours to be arranged.

Eight-week session.

Bi 505. **Reading and Conference.** Hours to be arranged.

Eight-week session.

Bi 507. **Seminar.** Hours to be arranged.

Eight-week session.

Bi 596. **Survey of Embryology.** 4 hours.

Eight-week session. Gametogenesis, fertilization, and development of the vertebrate body plan and its organogeny, as illustrated by amphibian and chick embryos; more limited use of invertebrates and mammals. Study of serial sections of embryos of successive ages supplemented by living material. (Enrollment restricted to high school teachers.) Risley.

## Oregon Institute of Marine Biology

Visiting Faculty: BAKUS, BROWN.

Assistant Professor: MCCONNAUGHEY, MOBERLY.

The following courses will be offered at the Oregon Institute of Marine Biology, Charleston, Oregon. Detailed description of these courses is published in a special announcement available on request to the Director, Oregon Institute of Marine Biology, Department of Biology, University of Oregon, Eugene, Oregon.

A special application must be submitted in order to enroll at this institute.

**Bi 461, 462. Invertebrate Zoology. (G) 8 hours.**

June 26-August 18. Survey of representative invertebrate groups, with emphasis on marine forms; morphology, systematics, life history, and ecology.

Note: Bi 461 and 462 are separate four-week courses, each carrying 4 credit hours; they are offered in sequence and it is strongly recommended that both be taken.

**Bi 463. Parasitology. (G) 4 hours.**

June 26-August 18. Survey of representative parasitic groups of animals; biological relationships of parasite and host; effects of parasitism on both parasite and host.

**Bi 476. Biology of Marine Organisms. (G) 4 hours.**

June 26-August 18. Emphasis on physiological adaptations of marine organisms to their environment. Laboratory work on measurement and range of environmental parameters to which marine organisms are exposed; measurement of physiological responses of organisms to environmental variations. Moberly.

**Bi 478. Marine Ecology. (G) 4 hours.**

June 26-August 18. Ecological concepts and methods with primary reference to marine organisms and situations. Group and individual field studies. Prerequisites: Invertebrate zoology (may be taken concurrently); a working knowledge of general biology, mathematics and chemistry will be helpful.

**Bi 401, 501. Research. Hours to be arranged.**

June 26-August 18.

**Bi 403, 503. Thesis. Hours to be arranged.**

June 26-August 18.

**Bi 408. Laboratory Projects. (G) Hours to be arranged.**

June 26-August 18.

## Business Administration

Professors: BEAL, RICH.

Associate Professors: ANDRUS, HARWOOD, SHAFER, SKELTON, SOHA.

Assistant Professors: JONES, RICHARDS (Acting), ROSS.

Instructors: BROWN, LARSON, MURRAY, PARKS.

## Accounting

**Ac 221, 222. Fundamentals of Accounting. 6 hours.**

Eleven-week session. Function of accounting as a tool for the planning and administration of organizations; primary emphasis on analysis and interpretation of financial data. First term: position and income statements, con-

ceptual bases for collecting and presenting data, flows of cost, the accounting cycle, depreciation, formation of working capital; second term: inventory and its control, debt-equity relationships, interest, asset valuation problems, manufacturing costs. Prerequisite: sophomore standing. McCarthy.

**Ac 313. Managerial Accounting.** 3 hours.

Eleven-week session. Cost concepts and decision-making; survey of taxation for its effect on planning; break-even analysis for planning and reporting; internal control; critique of accounting reports as elements of information systems; analysis of financial reports from viewpoint of outside interests. Required of all transfer students. Prerequisite: Ac 22. McCarthy.

**Ac 360. Principles of Cost Accounting.** 3 hours.

Eight-week session. Development, presentation, and interpretation of cost information to aid management in planning and controlling business operations; methods of collecting cost information, basic principles of cost reports to management, problems of cost allocation; use of standard costs for control, various concepts of capacity in relation to overhead allocation, cost-volume relationships, variable budgeting, and analysis of differential costs. Prerequisite: Ac 223 or Ac 313.

**Ac 407. Seminar.** Hours to be arranged.

Eight-week session.

**Ac 501. Research.** Hours to be arranged.

Eight-week session.

**Ac 503. Thesis.** Hours to be arranged.

Eight-week session.

**Ac 507. Seminar.** Hours to be arranged.

Eight-week session.

**Ac 540. Administrative Control.** 3 hours.

Eight-week session. Descriptive cybernetics and the concept of control as a property of all organized behavior; control attitudes and practices in human organizations; traditional and emerging views of the role of control in administration; problems of performance measurement; military command and control systems; rudiments of information and communication theory; computer abuses; role of man in a controlled system; student papers usually theoretical and related to major fields. Harwood.

## Business Statistics

**BS 232. Introduction to Business Statistics.** 3 hours.

Eight-week session. Modern business decision theory, and statistics as a tool for business decision making. Primary emphasis on statistical description (tables, charts, and frequency distributions) and the elements of probability; consideration also of modern data processing, index numbers and time series analysis (trend, cyclical, and seasonal adjustments) of business data. Richards.

**BS 501. Research.** Hours to be arranged.

Eight-week session.

**BS 503. Thesis.** Hours to be arranged.

Eight-week session.

**BS 507. Seminar.** Hours to be arranged.

Eight-week session.

**BS 511. Statistics for Business Decisions.** (p) 3 hours.

Eight-week session. Accelerated study of business statistics; decision theory applications in business; probability, estimation, hypothesis testing, uses of subjective probability, introduction to regression analysis. Open only to graduate students who have not completed BS 232, BS 333 or equivalent. Prerequisite: one year of college mathematics. Richards.

## Finance and Business Environment

### FBE 226. **Business Law I.** 3 hours. (evening)

Eight-week session. Study of the essential nature of law by examining its forms and functions in society. Elements of the American legal environment; structure of the courts; trial and appellate procedure; origin of rules; methods of legal reasoning; roles of litigants, lawyers, judges, and juries. General survey of the substantive aspects of public and private law with emphasis on the law of contracts. Ross.

### FBE 320. **Financial Institutions.** 3 hours.

Eight-week session. Study of the commercial banking system, the various financial institutions, and their functions; survey of monetary policy and its relationship to individual banks and the banking system; analysis of the nature and functions of money and credit and the interrelationship of money, credit, and the price level; analysis of the sources and uses of funds by financial institutions; the economic role of these institutions. Parks.

### FBE 322. **Business Finance.** 3 hours.

Eight-week session. Problems of financial management of a business unit. Financial analysis and planning, including capital budgeting, acquisition of funds, and management of funds. Prerequisite: FBE 320. Parks.

### FBE 326. **Business Law II.** 3 hours.

Eight-week session. The law of agency; the master-servant relationship, including elementary labor law; law of business organizations, including corporations, partnerships and other forms of business association, applications of the Uniform Commercial Code to these topics. Skelton.

### FBE 407. **Seminar.** Hours to be arranged.

Eight-week session.

### FBE 501. **Research.** Hours to be arranged.

Eight-week session.

### FBE 503. **Thesis.** Hours to be arranged.

Eight-week session.

### FBE 507. **Seminar.** Hours to be arranged.

Eight-week session.

### FBE 508. **Workshop: Family Finance Education.** 6 hours.

First four weeks, June 19-July 14. Designed to help educators furnish young people with the basis upon which they can build sound habits of dealing with personal financial problems. Workshop participants will have an opportunity to develop broad concepts, to prepare teaching units, to accumulate and evaluate instructional material, to develop curriculum plans, and to share experiences with outstanding leaders in family finance from business and the University faculty. Soha, Wood.

### FBE 525. **Managerial Economics.** 3 hours.

Eight-week session. The varied forms in which economic concepts appear in the operation of individual business units; emphasis on the approach to problems of management decision making and forward planning through formulation of problems in a conceptually quantitative manner capable of numerical solution. Integration of economic principles with various areas of business administration; role of uncertainty. Watson.

### FBE 540. **Theory of Financial Management.** 3 hours.

Eight-week session. Finance function and its relationship to the firm's objectives; asset valuation; profit analysis; choice of capital acquisitions under uncertainty; the influence of the capital structure, dividend policy, and growth on the cost of capital; maximization of stock value; cash flow model of the firm; decision rules for controlling investment in receivables and inventories.

## Marketing, Insurance, and Transportation

### MIT 323. Elements of Marketing I. 3 hours.

Eight-week session. The American marketing system in historical perspective; structure of marketing institutions; introduction to analysis of consumer behavior. Rich.

### MIT 442. Marketing Communications. 3 hours.

Eight-week session. Problems of marketing to consumers considered as problems in communication; advertising and sales promotion as formal channels of communication; economics of advertising and sales promotion; marketing communication as they relate to the public and to public policy. Prerequisite: MIT 341. Andrus.

### MIT 455. Business Insurance and Risk Management. (G) 3 hours.

Eight-week session. The more important methods of reducing business and personal risks from physical and moral hazards: major contracts of insurance to indemnify for losses from such perils as fire, windstorm, explosion, transportation, legal liability, dishonesty, and insolvency of others; loss adjustment practices, underwriting problems, reinsurance, rate making, consequential losses. Prerequisite: MIT 354, or consent of instructor.

### MIT 501. Research. Hours to be arranged.

Eight-week session.

### MIT 503. Thesis. Hours to be arranged.

Eight-week session.

### MIT 507. Seminar. Hours to be arranged.

Eight-week session.

### MIT 511. Administration of the Marketing Function. (p) 3 hours.

Eight-week session. Significance of marketing in an industrialized economy; marketing strategy and its relationship to profits and competition; consumer demand and motivation; promotion and price analysis in marketing; promotion programs and the sales function; location decisions and demographic influences. Andrus.

### MIT 520. Marketing Problems and Policies. 3 hours.

Eight-week session. Cost controls in distribution, delineation of market areas for the firm and industry, trade-channel analysis, organization for distribution, market-share analysis. Product development and innovation, interregional trends. Rich.

## Personnel and Industrial Management

### PIM 329. Production Management. 3 hours.

Eight-week session. Survey of planning, operations, and control of mass-production manufacturing; procurement, handling, and control of materials and control of quantity and quality. Ways of setting standards and improving methods; use of motion and time study; automation and automatic processing equipment. Supervision of operating employees and personnel relations as they affect production work. Emphasis on principles and relationships rather than specific techniques. Laboratory sessions (including field trips) illustrate selected methods, techniques, and management tools. Beal.

### PIM 407. Seminar. Hours to be arranged.

Eight-week session.

### PIM 412. Personnel Management. (g) 3 hours.

Eight-week session. Personnel management in the modern business organization; personnel policies and practices conducive to good relations with employees; personnel problems of small organizations. Brown.

### PIM 413. Wage and Salary Administration. (G) 3 hours.

Eight-week session. Systematic administration of wages and salaries as a

means of motivation and control in the business enterprise. Job analysis, description, and specifications; job evaluation methods; community wage and salary surveys; establishing wage structures by job evaluation and wage levels by collective bargaining and other methods; principles and administration of wage incentive plans; evaluating the results of wage incentives; compensating clerical, supervisory, and management personnel. Prerequisite: PIM 412 or consent of the instructor. Beal.

PIM 501. **Research.** Hours to be arranged.

Eight-week session. Vance.

PIM 503. **Thesis.** Hours to be arranged.

Eight-week session. Vance.

PIM 507. **Seminar.** Hours to be arranged.

Eight-week session.

PIM 532. **Problems in Business Policies.** 3 hours.

Eight-week session. Business policy formulation considered as a derivative of corporate objectives and philosophy; emphasis on the effects of intra- and extra-organizational forces which require periodic policy modifications. Analysis of specific case illustrations on a company and an industry basis. Research into the conceptual and operational ramifications of a current problem. Shaffer.

## Business Education

BEd 507. **Administration and Supervision of Business Education.** 3 hours.

Eight-week session. Administrative problems of supervision on the federal, state, and local levels; cooperative training and supervision. Jones.

BEd 507. **Application of Research Findings to Business Education.** 3 hours.

Eight-week session. A study of research in business education and the application of research findings to teaching areas in business education. Jones.

BEd 508. **Workshop: Current Trends in Bookkeeping.** 3 hours.

June 20-30. Opportunity for graduate students and experienced teachers to study improved materials and methods in the teaching of bookkeeping. Research on individual problems. Stein.

BEd 508. **Workshop: Current Trends in Office Practice.** 3 hours.

July 3-14. Presentation of current technological advancements, peripheral office equipment and methodology pertinent to curriculum development. Russon.

BEd 508. **Workshop: Current Trends in Typewriting.** 3 hours.

July 17-28. Psychological principles of skill building applied to the teaching of typewriting, instructional materials, standards of achievement, integration of typewriting with other subject material. Russon.

## Chemistry

Senior Instructor: BARNHARD.

Ch 320. **Elementary Quantitative Analysis.** 5 hours.

Eight-week session. Lectures on fundamentals of quantitative analysis; laboratory work devoted mainly to volumetric analysis. Intended to satisfy the needs of secondary teachers and others not intending to major in chemistry.

Ch 401, 501. **Research.** Hours to be arranged.

Eight-week session.



- Ch 403, 503. **Thesis.** Hours to be arranged.  
Eight-week session.
- Ch 405, 505. **Reading and Conference.** Hours to be arranged.  
Eight-week session.
- Ch 409. **Special Laboratory Problems.** (G) Hours to be arranged.  
Eight-week session. Students wishing laboratory instruction not classifiable as research or thesis may enroll under this number.
- Ch 429. **Survey of Analytical Chemistry.** (g) 5 hours.  
Eight-week session. Lectures on fundamentals of quantitative analysis; laboratory work devoted mainly to volumetric analysis. Intended to satisfy the needs of secondary teachers and others not intending to major in chemistry.
- Ch 439. **Survey of Organic Chemistry.** (g) 5 hours.  
Eight-week session. Lectures on fundamental principles of organic chemistry and types of organic reactions; laboratory work on representative procedures. Intended for teachers of science in secondary schools and others not majoring in chemistry.

## Economics

Visiting Faculty: MEEK.

Professors: KOPLIN, WATTLES.

- Ec 201. **Principles of Economics.** 3 hours.  
Eleven-week session. Economic resources and institutions; income determination and economic stabilization; government financial operations.
- Ec 202. **Principles of Economics.** 3 hours.  
Eleven-week session. Money, monetary policy, and economics of the firm.
- Ec 203. **Principles of Economics.** 3 hours.  
Eleven-week session. Factor pricing; domestic and international economic problems.
- Ec 375. **Economic Theory.** 3 hours.  
Eight-week session. Macro-economic analysis of income and output determination. Economics of employment and growth.
- Ec 418. **Economy of the Pacific Northwest.** (g) 3 hours.  
Eight-week session. Historical development and present industrial structure of the Pacific Northwest economy; relations with other regions, impact of Federal and state policy.
- Ec 464, 465, 466. **Quantitative Economic Analysis.** (G) 3 hours each term.  
The use of mathematical techniques in economic analysis. Consumption and production theory, programming, input-output; general equilibrium; multiplier, accelerator, growth, and inventory models.
- Ec 464. *Quantitative Economic Analysis (First Term).* 3 hours.  
First four weeks, June 19-July 14.
- Ec 465. *Quantitative Economic Analysis (Second Term).* 3 hours.  
Second four weeks, July 17-August 11.
- Ec 466. *Quantitative Economic Analysis (Third Term).* 3 hours.  
Three weeks, August 14-September 1.
- Ec 501. **Research.** Hours to be arranged.  
Eight-week session.
- Ec 503. **Thesis.** Hours to be arranged.  
Eight-week session.
- Ec 505. **Reading and Conference.** Hours to be arranged.  
Eight-week session.

**Ec 507. Seminar: The Federal Reserve System, the Money Market, and Monetary Policy.** 3 hours.

Eight-week session. Institutions and instruments basic to the functioning of the money market; interrelation of the money market and capital markets, and implications for monetary policy and the balance of payments. Comparison of the New York and London money markets. The Federal Reserve System and the money market.

**Ec 507. Seminar: Scope and Method of the Social Sciences.** 3-6 hours.

Eight-week session. Background and perspectives of the social science disciplines—anthropology, economics, political science, psychology, and sociology. Selected aspects of social organization and process considered in detail.

## Education

Visiting Faculty: BERKSON, KEHL, WILLIAMS, D. WOOD.

Professors: ABEL, CARLSON, CLARKE, DILS, FARNER, GOLDHAMMER, GRAHAM, HEARN, HINES, JACOBSON, KAMBLY, MITTMAN, PEARL, RUMMEL, SANDIN, TOPE, H. WOOD.

Associate Professors: ACKER, BOWERS, DE JUNG, FUCHIGAMI, HANSEN, LOUGHARY, MATTHEWS, MATTSON, NYE, OSIBOV, PREHM, RANKIN, SCHMINKE, SEUBERT, SHELLNBARGER, SUTTLE, WILLARD.

Assistant Professors: BENSON, CHRISTENSEN, CLEMENTS, CROSSON, ESPESETH, GILMORE, HAMERLYNCK, HENDERSON, HOTCHKISS, MARTINSON, MYERS, PERKES, RYBOLT, SHEPERD, TEN BRINKE.

Senior Instructors: HOLBOKE, MILLER.

Instructors: DUNN, KEITH, MADSEN, STONE, WAUGH.

## Foundations of Education

**Ed 310. The School in American Life.** 3 hours.

Eight-week session. The school as a social institution; the impact of dominant characteristics of American Society on the school; historical developments of elementary and secondary education; patterns of curriculum development; school organization; school law; current issues in education.

**Ed 405. Reading and Conference.** Hours to be arranged.

Eight-week session.

**Ed 435. Audio-Visual Aids.** (G) 4 hours.

Eight-week session. The development and use of audio-visual aids in education; emphasis on actual learning situations in which radio, recordings, films, slides, pictures, maps, charts, etc., are utilized; sources of materials and equipment; administration of audio-visual programs.

**Ed 440. History of Education.** (G) 3 hours.

Eight-week session. A general review of the growth and development of education in relation to the civilization of the times; emphasis on development of the school system. Prerequisite: knowledge of American History. Bowers.

**Ed 441. History of American Education.** (G) 3 hours.

Eight-week session. The intellectual development of the United States, with special reference to the development of the school system. Prerequisite: knowledge of American history. Bowers.

**Ed 445. Modern Philosophies of Education.** (G) 3 hours.

Eight-week session. An examination of education philosophies proposed by recent leaders and critics of American education theory and practice. Berkson.

**Ed 501. Research.** Hours to be arranged.

Eight-week session. Instruction may be arranged for all or part of the session.

- Ed 501. **Research: Field Studies.** Hours to be arranged.  
Eight-week session.
- Ed 503. **Thesis.** Hours to be arranged.  
Eight-week session. Instruction may be arranged for all or part of the session.
- Ed 505. **Reading and Conference.** Hours to be arranged.  
Eight-week session. Instruction may be arranged for all or part of the session.
- Ed 507. **Seminar: International Education.** 3-4 hours.  
Second four weeks, July 17-August 11. Brief survey of comparative education; description of selected national models, in developed and underdeveloped countries; techniques for area studies. Basic principles of economic development, economics of education, national planning, and educational planning. Characteristics of overseas service; securing an assignment; preparations for an assignment. Wood.
- Ed 507. **Seminar: Interdisciplinary Study of Reading.** 12 hours.  
Eight-week session. Emphasis on the study of the concepts of knowledge related to reading from the disciplines of psychology, sociology, anthropology, English, and education. Open to NDEA Reading Institute members only. Application forms may be acquired by writing Dr. Jordan Utsey, School of Education. Completed applications must be received no later than March 21, 1966.
- Ed 508. **Workshop: Family Finance Education.** 6 hours.  
First four weeks, June 19-July 14. The Family Finance Education Workshop is designed to help educators furnish young people with a base upon which they can build sound habits of dealing with their personal financial problems. Workshop participants will have an opportunity to develop broad concepts, to prepare teaching units, to accumulate and evaluate instructional materials, to develop curriculum plans, and to share experiences with outstanding leaders in family finance from business and the University faculty. Soha, Wood.
- Ed 508. **Workshop: Visual Aids in Geography.** 3 hours.  
Second four weeks, July 17-August 11. Preparation of maps for instruction in schools at all levels. Use of maps in teaching the inductive method. Preparation and use of overhead transparencies for geographic instruction. Taking and showing slides for geography courses. Searl.
- Ed 508. **Workshop: Developing Instructional Materials About Ecuador and South America for U.S. Teachers.** 4 hours.  
June 17-July 18. Thirty-one days in Ecuador; classes, field trips, and visits to historical sites. Classes in elementary Spanish and intermediate Spanish. Lectures in English on culture and art of Ecuador and South America held on the Central University campus in Quito. All expense arrangements from Miami, Florida, to Quito, Ecuador, and return, \$698. Credit costs an additional \$56. Moorhead.
- Ed 508. **Workshop: The Educator and His Profession.** 2 hours.  
August 14-18. A detailed analysis of the resources available through professional organizations; the roles of the professional organizations in the improvement of the status of educators and public education; the responsibilities of educators in developing leadership for professional growth; techniques and skills necessary in professional work.
- Ed 542. **Urbanization, the Pupil, and the School.** 3 hours.  
Eight-week session. Prevailing social patterns in urban society that are pertinent to an understanding of what pupils learn and study, pupil behavior in general, and school problems; impact of urbanization on the changing American family, teenage culture, population migrations, and the school. Emphasis on effects on children. Henderson.

## Elementary Education

- Ed 333. **Teaching Mathematics in Elementary Schools.** 3 hours.  
Second four weeks, July 17-August 11. Arithmetic in the elementary school

program. Types of instruction, criteria for selection, placement, and organization of content. Prerequisite: Ed 315. Miller.

**Ed 335. Teaching Reading in the Elementary School.** 3 hours.

First four weeks, June 19-July 14. Reading, reading readiness, the psychology of the reading process; reading skills in relation to other parts of the curriculum; diagnostic and remedial measures. Prerequisite: Ed 315. Holboke.

**Ed 407. Seminar: Methods and Materials in Teaching Social Studies in Elementary School.** 3 hours.

Eight-week session. Identification of major social studies objectives; trends; selection of major concepts and generalizations from social sciences; emphasis on various thought processes and individual differences; unit development; work study skills; organization of program; methods and materials of instruction and effective means of evaluation. Prerequisite: Ed 315. Nye.

**Ed 407. Seminar: Teaching Science in the Elementary School.** 3 hours.

Eight-week session. Content, methods of teaching elementary school science. Emphasis on materials, techniques, curriculum organization, and the preparation for teaching elementary school science. Prerequisite: Ed 315. Perkes.

**Ed 451. Early Childhood Education.** (G) 3 hours.

Eight-week session. Relationship of the development of young children to educational programs provided for them. Program planning; group behavior; individual behavior; the place of the teacher; equipment, activities, books, and music for young children. Nye.

**Ed 507. Seminar: Developing Creativity in Elementary School Children.** 3 hours.

Eight-week session. Nature of the concept of creativity; examination of assumptions and evidence upon which the concept is based; criteria for recognition of creative process; teaching to stimulate creativity in elementary school children. Henderson.

**Ed 534. Science in the Elementary School.** 3 hours.

Eight-week session. The place of science in the elementary school, with particular reference to the value of science in the lives of children; selecting and organizing content; coordinating science with elementary school activities; methods and materials. Perkes.

**Ed 535. Social Studies in the Elementary School.** 3 hours.

Eight-week session. Social-education objectives; children's social problems; unit development; work-study skills, organization of the program; materials, research findings basic to the social education of children. Willard.

**Ed 536. Language Arts in the Elementary School.** 3 hours.

Eight-week session. The role of language arts in the elementary-school program; objectives; research findings on language development; the teaching of spelling, writing, and speaking-listening skills; newer instructional materials; testing and evaluation. Willard.

**Ed 537. Reading in the Elementary School.** 3 hours.

Eight-week session. Nature of the reading process, objectives and organization of a desirable reading program; reading readiness, reading skills; procedures and materials for developing children's reading abilities; methods of diagnosing difficulties and evaluating progress; research findings concerning teaching children to read. Holboke.

**Ed 538. Mathematics in the Elementary School.** 3 hours.

Eight-week session. Number abilities needed by children; research findings in mathematics education; designing number experiences; theories of teaching, desirable teaching procedures, selection and use of materials. Schminke.

## Secondary Education

**Ed 314. Principles of Secondary Teaching.** 3 hours.

Eight-week session. Study of actual classroom teaching process, including

classroom organization and management, planning teaching units, evaluating pupil learning, and similar problems. Kambly.

**Ed 407. Seminar: Advanced Methods of Teaching English.** (G) 2 hours.

Eight-week session. Study of teaching methods in literature, rhetoric, and language, and principles of organizing instruction. Open to NEA English Institute members only.

**Ed 427. School Activities.** (G) 3 hours.

Second four weeks, July 17-August 11. Principles and purposes of school activities; pupil participation in various school activities; evaluation of the school activity program. Shellenbarger.

**Ed 484. The Junior High School.** (G) 3 hours.

First four weeks, June 19-July 14. Origin and functions of the junior high school; characteristics and needs of the early adolescent; administration of the junior high school; curriculum and instruction; guidance; school activities; evaluation. Hansen.

**Ed 508. Workshop: Methods of Teaching Transformational Grammar (Secondary School).** 2 hours.

June 19-June 30. Emphasis on developing a scientific attitude toward language, with special attention to basic linguistic principles; development of the ability to teach a modern system of grammar inductively; individual research projects and preparation of teaching materials. Prerequisites: knowledge of transformational grammar; teaching experience or consent of the instructor.

**Ed 508. Workshop: Methods of Teaching Written and Oral Composition (Secondary School).** 2 hours.

July 3-July 14. Emphasis on rhetorical principles for a curriculum in written and oral composition; development of ability to teach these principles inductively; consideration of ways to teach students to discover, select, organize, and develop ideas for writing and speaking. Prerequisite: teaching experience or consent of instructor.

**Ed 508. Workshop: Methods of Teaching Literature (Secondary School).** 2 hours.

July 17-28. Development of ability to teach literature inductively, emphasizing the structuring principles that underlie all literary genres; consideration of the ways a literature curriculum can be organized in a sequential and cumulative fashion; attention to relations between literature and composition. Prerequisite: teaching experience or consent of instructor.

**Ed 508. Workshop: "New English."** 3 hours.

June 19-30. For secondary school administrators and language-arts supervisors. Lectures, discussions, demonstrations intended to inform school administrators of innovations in the English curriculum.

**Ed 508. Workshop: The Geography Curriculum in the Secondary Schools.** 3 hours.

First four weeks, June 19-July 14. Trends in the teaching of geography; teaching techniques: inductive approach, field work, student research, and course organization. Students may work on problems of individual interest and prepare useful materials for the coming year. Bennett.

**Ed 508. Workshop: The Student Council.** 3 hours.

August 13-25. Aims and objectives of the student council organization, group processes, council problems and projects, evaluation of the council's program. The first week of the program organized in conjunction with high-school leaders' workshop; second week devoted to individual work. Wood.

**Ed 594. Methods in Secondary-School Mathematics.** 3 hours.

First four weeks, June 19-July 14. Development of proficiency in the use of the problem-solving approach to the teaching of topics in arithmetic, algebra, geometry, and advanced high-school mathematics. Consideration of the strength, inadequacies, and needed revisions of the present-day mathematics curriculum. Prerequisites: teaching experience or consent of instructor.

**Ed 595. Methods in Secondary-School Science.** 3 hours.

First four weeks, June 19-July 14. Selection of materials for secondary-school science teaching; demonstrations, science test construction, instructional devices; use and care of microscopes, meters, and other equipment. Prerequisite: teaching experience or consent of instructor. Ten Brinke.

**Ed 596. Methods in Secondary-School Social Studies.** 3 hours.

First four weeks, June 19-July 14. Trends in the social studies curriculum; unit method of teaching; core curriculum; social studies materials and teaching techniques; teaching reflective thinking; teaching current affairs. Students may work on problems of individual interest, and prepare materials for use in junior and senior high-school classes. Prerequisite: teaching experience or consent of instructor. Williams.

## Educational Administration

**Ed 507. Evaluation of the Elementary School Program.** 3 hours.

Eight-week session. Historical and recent developments in evaluation of the elementary school; practices, problems, and issues; significant evaluative research studies; evaluative criteria; published evaluation materials for appraising the educational program; approaches to school evaluation.

**Ed 507. Seminar: Scope and Methods of the Social Sciences.** 3-6 hours.

Eight-week session. Background and perspectives of the social science disciplines—anthropology, economics, political science, psychology, and sociology. Selected aspects of social organization and process considered in detail. Tope, staff.

**Ed 507. Seminar: The Non-graded Elementary School.** 3 hours.

Eight-week session. Fundamental considerations, theory, review of research, current practices, issues, and anticipated projections related to non-grading the elementary school. Sandin.

**Ed 507. Seminar: Nature and Problems of Administrative Behavior.** 3-6 hours.

Eight-week session. For advanced graduate students. Draws from the literature and related fields of business administration, economics, social psychology, sociology, and political science. Emphasis on fundamental research underlying human behavior as a basis for the theory and practice of administrative behavior. Jacobson, staff.

**Ed 507. Education and Contemporary Trends II.** 3 hours.

Eight-week session. An analysis of intellectual movements which have shaped the Twentieth Century, and their impact upon educational administration. Basic movements considered include: Scientism and Social Darwinism, Marxism and Communism, Pragmatism and the Deweyan Conception, Freud and Psychoanalytic thought, Existentialism. Students who have not completed the first quarter's work will be admitted only with the consent of the instructor. Goldhammer.

**Ed 507. Seminar: Staff Personnel.** 3 hours.

Eight-week session. An investigation and consideration of the best principles and practices in school personnel administration. Dils.

**Ed 507. Seminar: Change in Organizations.** 3 hours.

Eight-week session. Analysis of the principles of change affecting educational organizations; and review of behavioral science research on changes in organizations. Carlson.

**Ed 507. Seminar: Clinical Supervision.** 3 hours.

First four weeks, June 19-July 14. Observation as a means of supervision. The rationale for practice of clinical supervision and analysis of the supervision cycle. Must be taken concurrently with Practicum: Clinical Supervision (Ed 509). Suttle, staff.

**Ed 509. Practicum: Clinical Supervision.** 3 hours.

First four weeks, June 19-July 14. Practice of supervisory skills. Must be taken concurrently with Seminar: Clinical Supervision (Ed 507). Suttle, staff.

**Ed 522. Secondary School Curriculum.** 3 hours.

Eight-week session. The secondary school curriculum: the various subject fields, organization of the school for curriculum development, educational objectives, course of study, evaluation of the secondary-school program.

**Ed 527. Secondary School Administration and Supervision.** 3 hours.

Eight-week session. Secondary school principalship, administration, staff relationships, public relations, and professional growth. Business administration, administration of guidance services, curriculum and school activities, evaluation of the secondary school. Hearn.

**Ed 553. The Elementary School Curriculum.** 3 hours.

Eight-week session. Systematic study of elementary school curriculum, including pupil needs in everyday life situations, objectives, essentials of a good program, varying curriculum designs, organization of learning experiences, evaluation of learning, and appraisal of new curriculum practices.

**Ed 554. Elementary School Supervision and Administration.** 3 hours.

Eight-week session. For students in elementary education who are preparing for administrative or supervisory positions. Characteristics of good elementary schools, leadership responsibilities and processes, school organization patterns, pupil personnel policy, and school community relationships. Sandin.

**Ed 559. Evaluation of Secondary School Programs.** 3 hours.

Eight-week session. Appraisal of secondary schools on the basis of evaluative criteria, with special attention to the work of the National Study of Secondary School Evaluation.

**Ed 560. Secondary School Problems.** 3 hours.

Eight-week session. Current problems in the field of secondary education. Hearn.

**Ed 566. Curriculum Construction.** 4 hours.

Eight-week session. Survey and appraisal of curricular patterns, state and city programs, courses of study in major subject areas, and technique of study planning.

**Ed 572. Public School Administration.** 3 hours.

First four weeks, June 19-July 14. Interpersonal relations in administration, school board powers, duties, roles, relationships. Administrative roles, responsibilities, issues, and problems. Problems of staff personnel. Student personnel problems at the local school-district level. Problems and issues related to the development of effective school-community relationships. Osibov.

**Ed 573. Public School Organization.** 3 hours.

Eight-week session. The schools in relation to state and federal agencies. The intermediate unit, its purposes, organization, and trends. Local school districts' problems of organization, planning, and management. School business administration, transportation, finance, textbooks, and supplies. Extra-legal agencies affecting education. Tope.

**Ed 574. School Supervision.** 3 hours.

Eight-week session. The role of the supervisor in keeping education geared to the changing demands of society. Theories of leadership, group processes, individual conference techniques, action research, and related approaches to curriculum change. Analysis of supervisory problems.

**Ed 575. School Finance.** 3 hours.

Eight-week session. Problems of school finance, business management, sources of school income, relationship to the state financial structure, budgeting and accounting, construction of the school budget. Prerequisite: work in administration, organization, or consent of instructor. Farner.

**Ed 576. School Buildings.** 3 hours.

Eight-week session. Problems involved in planning, financing, and construction of school buildings. Care and maintenance of buildings. Problems of equipment. Analysis of the problem of a specific district. Prerequisite: work in administration, organization, or consent of instructor. Hines.

## School Psychological Services

### Counseling

Practicum instruction is organized on two levels. Students who are receiving their first experience in a field and require relatively close supervision are enrolled in Ed 409; advanced students able to work more independently are enrolled in Ed 509.

Students interested in enrolling in the practica must make arrangements with Barton Clements, School of Education, University of Oregon, before June 1.

**Ed 407. Seminar: Research in Counseling.** (G) 3 hours.

Eight-week session. Observation of on-going research projects. All master's degree candidates in counseling observe a two-hour research project staff meeting, participate in a one-hour small-group discussion of the observation, and attend assigned lectures on related research procedures. Prerequisite: consent of instructor. Loughary.

**Ed 407. Seminar: Elementary-School Guidance.** (G) 3 hours.

Eight-week session. Designed as a review of current practices in elementary school guidance; the place of tests, records, and counseling in the school setting. The role of the counselor as a consultant to teachers, parents, and the community. Prerequisite: consent of instructor. Christensen.

**Ed 407. Seminar: Group Counseling.** (G) 3 hours.

Eight-week session. Examination of principles and theories of group counseling. Review and evaluation of current practices in several types of settings and with various populations. Prerequisite: consent of instructor. Clements.

**Ed 407. Occupational Information.** (G) 3 hours.

Eight-week session. Review of theories of work, examination of occupational structure, classification and analysis; the American labor force, the changing world of work. The application of these aspects of occupational information to the practice of counseling. Matthews.

**Ed 409. Practicum: Secondary-School Counseling.** (G) Hours to be arranged.

Eight-week session. Open only to students in programs leading to specialization in secondary-school counseling. Observation, staffing of cases, counseling, case writing, testing. Prerequisite: consent of instructor. Rybolt.

**Ed 409. Practicum: Family Counseling.** (G) 2-6 hours.

Eight-week session. Open only to students planning to be specialists in the field. Application of Adlerian principles of family counseling in education. Maximum opportunity to observe and discuss the counseling procedure; minimal opportunities for actual counseling experience. Prerequisite: Practicum: Procedures in Family Counseling (Ed 409); consent of instructor. Christensen.

**Ed 409. Practicum: Rehabilitation Agencies.** (G) 6-9 hours.

Eight-week session. Supervised counseling experience in community rehabilitation agencies and facilities. Open to rehabilitation majors only. Dunn.

**Ed 409. Practicum: College Counseling.** (G) Hours to be arranged.

Eight-week session. Open only to students in programs leading to specialization in college counseling. Observation, staffing of cases, counseling, case writing, testing. Prerequisite: consent of instructor. Gilmore.

**Ed 485. Principles and Practices of Guidance Services.** (G) 3 hours.

Eight-week session. The need for guidance services in the schools; tests,



inventories, questionnaires, and records; the role of the home and the community in guidance; counseling the individual student. Clements.

**Ed 488. Education and Vocational Guidance.** (G) 3 hours.

Eight-week session. Designed primarily for advanced students preparing for positions as counselors. Current materials and trends in educational and vocational opportunities. Matthews.

**Ed 507. Seminar: Research in Counseling.** 3 hours.

Eight-week session. Students serve as research project staff members, carry on research activities, participate in weekly staff meetings observed by all master's degree students in counseling, and lead a weekly 1-hour small-group discussion. Prerequisite: consent of instructor. Loughary.

**Ed 509. Practicum: Secondary School Counseling.** 3 hours.

Eight-week session. Open only to students in programs leading to specialization in secondary school counseling. Same as Ed 409 except that the student is expected to work with less immediate supervision. Prerequisite: consent of instructor. Acker.

**Ed 509. Practicum: Family Counseling.** (G) 2-6 hours.

Eight-week session. Open only to students planning to be specialists in the field. Application of Adlerian principles of family counseling in education. Increased opportunities for actual counseling experience with decreasing supervision. Prerequisite: Practicum: Family Counseling (Ed 409); consent of instructor. Christensen.

**Ed 509. Practicum: Rehabilitation Agencies.** 6-12 hours.

Eight-week session. Extensive experiences in a rehabilitation agency. Limited to students enrolled in the rehabilitation-counselor program. Prerequisite: Practicum: Rehabilitation Agencies (Ed 409), consent of instructor. Dunn.

**Ed 509. Practicum: College Counseling.** Hours to be arranged.

Eight-week session. Same as Ed 409 except that the student is expected to work with less immediate supervision. Prerequisite: Practicum: College Counseling (Ed 409), consent of instructor. Thompson.

**Ed 526. Counseling Theories.** 3 hours.

Eight-week session. Theoretical assumptions underlying process; dynamics of adjustment and personality change; methods of promoting emotional, educational, and occupational adjustment. Prerequisite: Ed 485 or equivalent. Gilmore.

**Ed 528. Group Testing in Schools and Colleges.** 3 hours.

Eight-week session. Intensive study of the purposes, uses, administration, scoring, and interpretation of group tests commonly used in public schools and colleges; testing of achievement, aptitudes, interests, and personality. Designed for advanced students in educational psychology, human development, psychometrics, and counseling. Open only to students for whom the work is required in their programs. Enrollment limited to 20 students. Prerequisite: Ed 424. Rybolt.

## Educational Psychology

Practicum instruction is organized on two levels. Students who are receiving their first experience in a field and require relatively close supervision are enrolled in Ed 409; advanced students who are able to work more independently are enrolled in Ed 509.

**Ed 315. Human Development and Learning.** 5 hours.

Eight-week session. The understanding of children's behavior at various developmental levels during the school years; learning theories and principles, and application to classroom situations; individual differences as they affect developmental and learning patterns; methods of evaluating changes in children's behavior. Rankin.

**Ed 407. Developmental Psychology.** 3 hours.

Eight-week session. The study of the child—the developmental aspects of behavior during the prenatal period, infancy, and childhood. Acquisition of language, cognition, and social skills are among the topics covered. Abel.

**Ed 407. Nature and Measurement of Intelligence.** (G) 3 hours.

Eight-week session. The primary purpose of this course is the presentation and study of the rationale underlying the development and use of the various tests utilized in the measurement of individual intelligence. Rankin.

**Ed 409. Practicum: Individual Intelligence Testing.** (G) 3 hours.

Eight-week session. This course is intended to provide practice in the use of the theory and concepts of individual intelligence testing. Rankin.

**Ed 424. Measurement in Education.** (G) 3 hours.

Eight-week session. Use and interpretation of informal and standardized tests as supervisory and guidance instruments for the diagnosis, analysis, evaluation, and improvement of instruction in the elementary and secondary schools; test planning, item writing, essay testing, administration and scoring, analysis of scores and grade assignment; simple statistics of test interpretation. Rummel.

**Ed 507. Introduction to Educational Research Methods.** 3 hours.

Eight-week session. This is intended to be an introductory course in research methodology for students at the Master's degree level or beginning doctoral students. Special attention is devoted to the topics: Definition of a problem, statement of hypotheses, sampling, and elementary types of experimental design. Examples are used throughout the course. Prerequisites: elementary course in statistics or consent of instructor. (Note: This is not a substitute for Ed 512 for doctoral students.) Mittman.

**Ed 515. Educational Statistics.** 3 hours.

Eight-week session. Techniques in quantitative and experimental methods. Calculus not required. Clarke.

**Ed 525. Theory and Technique of Educational Measurement.** 3 hours.

Eight-week session. Theoretical bases and principles of educational measurement; item writing, tryout, selection and revision, reproduction and administration; nature of measurement; units and norms; reliability and validity; batteries and profiles. Designed for advanced students in the behavioral sciences. Prerequisite: Ed 424, Ed 515, or equivalent. Mittman.

**Ed 529. Advanced Educational Psychology.** 2 hours.

Eight-week session. Review of some modern viewpoints in educational psychology, with particular attention to theories of learning and their application to problems of school learning. Prerequisite: consent of instructor.

## Remedial Education

Practicum instruction is organized on two levels. Students who are receiving their first experience in a field and require relatively close supervision are enrolled in Ed 409; advanced students who are able to work more independently are enrolled in Ed 509.

In order to be assured of a place in the remedial practica (Ed 409, Ed 509), students must make arrangements with Dr. Arthur Pearl or Mrs. Ruth Waugh, Remedial Education, School of Education, University of Oregon, before June 1.

**Ed 407. Seminar: Poverty in Relation to Education.** (G) 3 hours.

Eight-week session. Survey on the various issues of poverty as it relates to the educational experience. A critique of the various interpretations of academic failure of disadvantaged youth, culture considerations, inferior-accentuated deficiencies, and consideration of education as it affects life careers. Pearl.

- Ed 407. **Seminar: Social-Emotional Problems.** (G) 3 hours.  
Eight-week session. Behavioral-educational characteristics of maladjusted and disturbed children. Emphasis on descriptive characteristics, methods of identification, and appraisal. Prerequisite: consent of instructor. Hotchkiss.
- Ed 409. **Practicum: Social-Emotional Problems of Exceptional Children.** (G) 3 hours.  
Eight-week session. Observation, appraisal, and teaching of children in selected educational or treatment settings. Hotchkiss.
- Ed 409. **Practicum: Clinical Procedures in Education.** (G) 3 hours.  
Eight-week session. Assessment of children with learning difficulties; collection and analysis of information; communication of information to teachers and parents; evaluation of clinic process. Enrollment limited to teachers and nonspecialists. Prerequisite: consent of instructor. Waugh.
- Ed 409. **Practicum: Remedial Clinic (Diagnosis).** (G) 3 hours.  
Eight-week session. Supervised clinical experience in the diagnosis of learning difficulties of school pupils. Concurrent enrollment in Ed 465 required. Prerequisite: consent of instructor.
- Ed 409. **Practicum: Remedial Clinic (Remediation).** (G) 3 hours.  
Eight-week session. Supervised clinical experience in the remediation of learning difficulties of school pupils. Concurrent registration in Ed 468 required. Prerequisite: consent of instructor. Daily clinic sessions plus weekly staff meeting.
- Ed 465. **Diagnostic Techniques in the Basic Skills.** (G) 3 hours.  
Eight-week session. Analysis of difficulty in the skills of reading, spelling, arithmetic, and handwriting; selection, administration, and interpretation of group and individual diagnostic achievement tests; diagnostic procedures; development of the diagnostic report; concurrent enrollment in Practicum: Remedial Clinic (Diagnosis) (Ed 409) required. Prerequisite: consent of instructor.
- Ed 468. **Remedial Techniques in the Basic Skills.** (G) 3 hours.  
Eight-week session. Organization and implementation of the remedial program; specific procedures in remediation of difficulty in the skills of reading, spelling, arithmetic, and handwriting; location and creation of remedial instrumental materials. Concurrent enrollment in Practicum: Remedial Clinic (Remediation) (Ed 409) required. Prerequisite: consent of instructor.
- Ed 469. **Reading in High School and College.** (G) 3 hours.  
Eight-week session. Basic principles of reading instruction; nature and scope of the total reading program; methods, materials, and organization of the developmental and corrective reading programs in high school and college.
- Ed 508. **Workshop: Administration and Interpretation of the Illinois Test of Psycholinguistic Abilities.** 4 hours.  
First four weeks, June 19-July 14. Administration, scoring, interpretation, and remedial planning based on ITPA. Emphasis on the proper utilization of data obtained from this test. A comprehensive overview of research and clinical findings (largely unpublished) and supervised practice in ITPA administration. Bateman.
- Ed 509. **Practicum: School Psychology.**  
Eight-week session. Similar to Practicum: School Psychology (Ed 409). Students are expected to function more independently and demonstrate a greater degree of competence. Prerequisite: Practicum: School Psychology (Ed 409). Waugh.

### Special Education

Practicum instruction is organized on two levels. Students who are receiving their first experience in a field and require relatively close supervision are enrolled in Ed 409; advanced students able to work more independently are enrolled in Ed 509.

Students interested in enrolling in the program leading to certification for teaching mentally retarded children must make arrangements with V. K. Espeseth, School of Education, University of Oregon, before May 15.

**Ed 407. Seminar: Behavior Modification.** (G) 3 hours.

Eight-week session. Intended for practicing teachers, counselors, and other special services personnel. Basic instruction in behavior analysis and behavior modification, emphasizing practical application. Crosson.

**Ed 407. Seminar: Classroom Behavior Problems.** (G) 3 hours.

Eight-week session. Intended for students who have taken *The Maladjusted Child* (Ed 463) and wish additional work. Prerequisite: Ed 463. Christensen.

**Ed 407. Seminar: Education of Exceptional Children.** 1 hour.

Eight-week session. Current issues in the area of special education and orientation to regional programs and facilities. Intended as follow-up of Ed 462. Stone.

**Ed 407. Seminar: Physically Handicapped.** (G) 3 hours.

Eight-week session. The psychology, education and guidance of the physically handicapped. Sheperd.

**Ed 407. Seminar (Research): Exceptional Children.** (G) Hours to be arranged.

Eight-week session. A critical examination of problems and practices related to working with exceptional children. deJung.

**Ed 409. Practicum: Administration and Supervision of Special Education.** (G) 3 hours.

Eight-week session. Observation and practice in administrative and supervisory procedures in special education programs. Martinson.

**Ed 409. Practicum: Physically Handicapped.** (G) Hours to be arranged.

Eight-week session. Observation and teaching children with physical handicaps. Sheperd.

**Ed 409. Practicum: Teaching the Mentally Retarded.** (G) 3 hours.

Eight-week session. Observation and teaching of a class for the mentally retarded at the elementary and junior and senior high-school levels. Enrollees will be placed in the appropriate practicum at the time of registration. Pre-enrollment required. Madsen.

**ArE 409. Practicum: Art Experiences for the Mentally Retarded.** (G) 3 hours.

Eight-week session. A course for teachers of children diagnosed as mentally retarded. Problem-solving activities using art materials: growth and development of the retarded child. Pre-enrollment required. Ballinger.

**Ed 439. The Gifted Child.** (G) 3 hours.

Eight-week session. The psychology, education, and guidance of the mentally superior and the extraordinarily gifted child. Fuchigami.

**Ed 462. Psychology of Exceptional Children.** (G) 3 hours.

Eight-week session. Characteristics and problems of all types of exceptional children, with special emphasis on those with sensory handicaps; consideration of essential educational adaptations. Benson.

**Ed 463. The Maladjusted Child.** (G) 3 hours.

Eight-week session. The discovery and treatment of the emotionally and socially maladjusted child; the home, school, and community in relation to the child's mental health. Opportunities for the observation of family counseling techniques. Christensen.

**Ed 464. The Mentally Retarded Child.** (G) 3 hours.

Eight-week session. The psychology, education, and guidance of the mentally retarded child. Benson.

- Ed 471. **Administration of Special Education.** (G) 3 hours.  
Eight-week session. Organizing, financing, housing, equipping, staffing, and supervising the special-education program; desirable educational provisions for each type of handicapped child; legal provisions for special education. Martinson.
- Ed 489. **Curriculum for the Mentally Retarded.** (G) 3 hours.  
Eight-week session. Curriculum, methods, and materials developed on the basis of the diagnosed characteristics of mentally retarded children. Pre-enrollment required. Madsen.
- Ed 507. **Seminar: The Neurologically Impaired.** 3 hours.  
Eight-week session. The psychology, education, and guidance of neurologically impaired children as seen by medical persons. Myers.
- Ed 507. **Seminar (Research): Exceptional Children.** Hours to be arranged.  
Eight-week session. Intended for advanced graduate students in the behavioral sciences. A critical examination of problems and practices related to working with exceptional children. DeJung.
- Ed 507. **Seminar: Advanced Curriculum for the Mentally Retarded.** 3 hours.  
Eight-week session. Continuation of Ed 489. Prehm.
- Ed 509. **Practicum: Teaching the Mentally Retarded.** Hours to be arranged.  
Eight-week session. Prerequisite: consent of instructor. Espeseth.
- Ed 509. **Practicum: Administration and Supervision of Special Education.** 3 hours.  
Eight-week session. Prerequisite: consent of instructor. Martinson.
- Ed 509. **Teaching the Physically Handicapped.** Hours to be arranged.  
Eight-week session. Teaching procedures suitable to physically handicapped. Sheperd.
- Ed 508. **Workshop: Role-Playing Techniques.** 3 hours.  
Eight-week session. Experience in working with children in role playing. Prerequisite: consent of instructor. Christensen.
- Ed 563. **Diagnosis in Mental Retardation.** 3 hours.  
Eight-week session. Critical evaluation of instruments and techniques used in the identification and diagnosis of mentally retarded children; practice in solving problems involving the mentally retarded. Prerequisite: Ed 424, Ed 464, Ed 489; or consent of instructor. Espeseth.

## English

Visiting Faculty: LACY, MARKOVIC, MAYO, MURRAY.

Professors: BARTEL, DANIEL, KARCHMER, MCNEIR, SVENDSEN.

Associate Professors: CADBURY, HANDY, WINTEROWD.

Assistant Professors: KITTOE, LOVE, MALARKEY, SHERWOOD, SLOAT, STRANGE, THORPE, TOELKEN.

Instructors: BURKE, FRALEY, GOBER, HAMILTON, A. KITZHABER, LEGRIS, MILOWICKI, WILSON.

## Writing

Wr 121. **English Composition (First Term).** 3 hours.

Eight-week (two sections) and eleven-week (four sections) sessions. Fundamentals of English composition.

Wr 122. **English Composition (Second Term).** 3 hours.

Eleven-week session. Fundamentals of English composition.

- Wr 123. **English Composition (Third Term)**. 3 hours.  
Eleven-week session (two sections). Fundamentals of English composition.
- Wr 226. **Expository Writing**. 3 hours.  
Eight-week session. Practice in various forms of expository writing. Lacy.
- Wr 326. **Short-Story Writing**. 3 hours.  
Eight-week session. For students interested in creative writing or in professional writing for magazines. Prerequisite: consent of instructor. Lacy.
- Wr 404. **Writing and Conference**. Hours to be arranged.  
Eight-week and eleven-week sessions. Karchmer.
- Wr 503. **Thesis**. Hours to be arranged.  
Eight-week and eleven-week sessions. Karchmer.
- Wr 504. **Writing and Conference**. Hours to be arranged.  
Eight-week and eleven-week sessions.
- Wr 530. **Graduate Creative Writing**. 3 hours.  
Eight-week session. Admission by permission of instructor. Karchmer.

## Literature

- Eng 101. **Survey of English Literature (First Term)**. 3 hours.  
Eight-week and eleven-week sessions. Anglo-Saxon beginnings to the Renaissance.
- Eng 104. **Introduction to Literature (First Term)**. 3 hours.  
Eight-week and eleven-week sessions. Fiction.
- Eng 105. **Introduction to Literature (Second Term)**. 3 hours.  
Eleven-week session. Drama.
- Eng 107. **World Literature (First Term)**. 3 hours.  
Eleven-week session. Masterpieces of literature, ancient and modern.
- Eng 201. **Shakespeare (First Term)**. 3 hours.  
Eight-week session. Study of the important early comedies, histories, tragedies. McNeir.
- Eng 202. **Shakespeare (Second Term)**. 3 hours.  
Eleven-week session. Study of the important middle comedies, histories, tragedies.
- Eng 253. **Survey of American Literature (First Term)**. 3 hours.  
Eleven-week session. American literature from the beginnings to Whitman. Mayo.
- Eng 303. **Epic**. 3 hours.  
Eight-week session. Heroic spirit in Western European literature. Strange.
- Eng 394. **Twentieth Century Literature (First Term)**. 3 hours.  
Eight-week session. Critical survey of British, American, and some European literature from 1890 to the present. Markovic.
- Eng 396. **Twentieth Century Literature (Third Term)**. 3 hours.  
Eleven-week session. Critical survey of British, American, and some European literature from 1890 to the present. Handy.
- Eng 403. **Thesis**. Hours to be arranged.  
Eight-week and eleven-week sessions.
- Eng 405. **Reading and Conference**. Hours to be arranged.  
Eight-week and eleven-week sessions.
- Eng 407. **Seminar**. (G) Hours to be arranged.  
Eight-week and eleven-week sessions.

- Eng 407. **Seminar: Generative Grammar.** (G) 3 hours.  
Eight-week session. A detailed investigation of recent developments in the theories of generative syntax, phonology, and semantics. Prerequisite: grade of B or better in Eng 492 or in one term of Eng 520, 521, 522 or in Eng 507 History and Structure of English, or permission of instructor. Sloat.
- Eng 407. **Seminar: Modern American Poetry.** (G) 3 hours.  
Eight-week session. Study of the major American poets, from 1900 to the present. Mayo.
- Eng 407. **Seminar: Applied Criticism.** (G) 3 hours.  
Eight-week session. Study of the major literary genres, with special attention to close analysis of meaning, structure, and style as these bear on the teaching of literature in the secondary school. Two sections, one restricted to participants in the NDEA English Institute.
- Eng 407. **Seminar: Structure of English.** (G) 3 hours.  
Eight-week session. An introduction to the structure of contemporary standard American English, with major attention to the study of syntax as presented in transformational grammar. Two sections, one restricted to participants in the NDEA English Institute.
- Eng 407. **Seminar: Theory and Practice of Oral and Written Composition.** (G) 3 hours.  
Eight-week session. Study of the rhetorical principles underlying both writing and speaking, with practical application of the principles in writing and speaking assignments. Two sections, one restricted to participants in the NDEA English Institute.
- Eng 428. **Chaucer.** (g) 3 hours.  
Eight-week session. As much of Chaucer's work read as time permits. Malarkey.
- Eng 430. **Literature of the Renaissance (First Term).** (G) 3 hours.  
Eight-week session. Continental backgrounds of the English Renaissance. McNeir.
- Eng 439. **Contemporary Literature.** (G) 1 or 2 hours.  
July 17-27. Drama. Graduate students under M.F.A. or degree programs in the Department of English are eligible for 2 hours of credit upon presentation of an acceptable term paper. All other students must take final examination to receive 1 hour of credit. Murray.
- Eng 452. **Eighteenth-Century Literature (Third Term).** (G) 3 hours.  
Eight-week session. The prose and poetry of the century studied in relation to social, political, and aesthetic ideas. Thorpe.
- Eng 461. **The Romantic Poets (Second Term).** (G) 3 hours.  
Eight-week session. The major works of Blake and Keats. Strange.
- Eng 463. **The Later Nineteenth-Century Poets (First Term).** (G) 3 hours.  
Eight-week session. The major works of Tennyson and Browning. Cadbury.
- Eng 482. **Major American Writers (Second Term).** (G) 3 hours.  
Eleven-week session. Eliot and Hemingway. Handy.
- Eng 501. **Research.** Hours to be arranged.  
Eight-week and eleven-week sessions.
- Eng 503. **Thesis.** Hours to be arranged.  
Eight-week and eleven-week sessions.
- Eng 505. **Reading and Conference.** Hours to be arranged.  
Eight-week and eleven-week sessions.
- Eng 507. **Seminar.** Hours to be arranged.  
Eight-week and eleven-week sessions.

- Eng 507. **Seminar: The Mediaeval Lyric.** 5 hours.  
Eight-week session. Toelken.
- Eng 507. **Seminar: Modern Fiction.** 5 hours.  
Eight-week session. Markovic.
- Eng 507. **Seminar: American Literature.** 5 hours.  
Eight-week session. Anderson and Dreiser. Love.
- Eng 507. **Seminar: American Drama.** 5 hours.  
Eleven-week session. Miller and Albee. Handy.
- Eng 540. **Methods of Literary Study.** 3 hours.  
Eight-week session. Cadbury.
- Eng 508. **Workshop: "The New English."** 3 hours.  
June 19-30. For secondary school administrators and language arts supervisors.

## Geography

Visiting Faculty: BENNETT, KRAMER, PRICE, SEARL.

Professors: DICKEN, PATTON.

Associate Professor: SMITH.

Geog 105, 106, 107. **Introductory Geography.** 3 hours each term.

A general introduction to the field of geography, in sequence as follows:  
Geog 105, physical geography; Geog 106, regional geography; Geog 107, cultural geography.

Geog 105. *Introductory Geography (First Term).* 3 hours.

First four weeks, June 19-July 14. Price.

Geog 106. *Introductory Geography (Second Term).* 3 hours.

Second four weeks, July 17-August 11. Kramer.

Geog 107. *Introductory Geography (Third Term).* 3 hours.

Three weeks, August 14-September 1. Patton.

Geog 201, 202, 203. **World Regional Geography.** 3 hours each term.

Physical, political, and regional economic geography of the following areas:

Geog 201, Europe; Geog 202, Latin America; Geog 203, Asia.

Geog 201. *World Regional Geography (First Term).* 3 hours.

First four weeks, June 19-July 14. Searl.

Geog 202. *World Regional Geography (Second Term).* 3 hours.

Second four weeks, July 17-August 11. Bennett.

Geog 203. *World Regional Geography (Third Term).* 3 hours.

Three weeks, August 14-September 1. Smith.

Geog 301. **Geography of Oregon.** 3 hours.

First four weeks, June 19-July 14. Physical and cultural geography of Oregon.  
Dicken.

Geog 302. **Geography of North America.** 3 hours.

Second four weeks, July 17-August 11. Physical and cultural geography of western United States and western Canada. Dicken.

Geog 401. **Research.** Hours to be arranged.

Eight-week and eleven-week sessions.

Geog 405. **Reading and Conference.** Hours to be arranged.

Eight-week and eleven-week sessions.

Geog 481. **Physical Geography.** (G) 3 hours.

Eight-week session. Geomorphology. Price.

Geog 482. **Physical Geography.** (G) 3 hours.

Eight-week session. Climatology. Patton.



- Geog 485. **Cartography.** (G) 3 hours.  
Eight-week session. Introduction to map projections; the map base; map content and design. Kramer.
- Geog 501. **Research.** Hours to be arranged.  
Eleven-week session.
- Geog 503. **Thesis.** Hours to be arranged.  
Eleven-week session.
- Geog 505. **Reading and Conference.** Hours to be arranged.  
Eleven-week session.
- Ed 508. **Workshop: The Geography Curriculum in the Secondary Schools.** 3 hours.  
First four weeks, June 19-July 14. Trends in the teaching of geography—teaching techniques: inductive approach, field work, student research, and course organization. Students may work on problems of individual interest and prepare useful materials for the coming year. Bennett.
- Ed 508. **Workshop: Visual Aids in Geography.** 3 hours.  
Second four weeks, July 17-August 11. Preparation of maps for instruction in schools at all levels. Use of maps in teaching the inductive method. Preparation and use of overhead transparencies for geographic instruction. Taking and showing slides for geography courses. Searl.

## Geology

Professors: STAPLES, STOVALL.

Associate Professors: KAYS, LUND.

Assistant Professor: BENSON.

- Geol 101, 102, 103. **General Geology.** 4 hours each term.  
Earth materials, processes, and forms; formation of economic mineral deposits; the main events in earth history. Lectures, laboratory, and field trips. Stovall, Benson.
- Geol 101. *General Geology (First Term).* 4 hours.  
First four weeks, June 19-July 14.
- Geol 102. *General Geology (Second Term).* 4 hours.  
Second four weeks, July 17-August 11.
- Geol 103. *General Geology (Third Term).* 4 hours.  
Three weeks, August 14-September 1.
- Geol 401. **Research.** Hours to be arranged.  
Eight-week session.
- Geol 405. **Reading and Conference.** Hours to be arranged.  
Eight-week session.
- Geol 406. **Field Geology.** 9 hours.  
Eight-week session. Geological field work in selected parts of Oregon. Prerequisite: Geol 313, Geol 393, and consent of instructor. Staples, Kays.
- Geol 407. **Seminar.** Hours to be arranged.  
Eight-week session.
- Geol 408. **Workshop: Volcanology.** (g) 2 hours.  
One week, August 7-12. Field study of the Central Oregon volcanic region, supplemented by introductory lectures on physical geology and volcanology. Advance registration required by June 19. Fees in addition to tuition are approximately \$25 for transportation and materials. Meets in Bend, Oregon. Benson.

**Geol 455. Studies in Physical Geology.** (g) 3 hours.

First four weeks, June 19-July 14. Survey course designed primarily for teachers of earth science. Origin and composition of rocks and minerals, structure of earth, volcanism, earthquakes, molding of the landscape by physical processes. Lectures, field trips. Lund.

**Geol 501. Research.** Hours to be arranged.

Eight-week session.

**Geol 503. Thesis.** Hours to be arranged.

Eight-week session.

**Geol 505. Reading and Conference.** Hours to be arranged.

Eight-week session.

**Geol 506. Advanced Field Geology.** Hours to be arranged.

Eight-week session. Geologic field work chiefly in connection with graduate theses. Emphasis on individual problems. Prerequisite: graduate standing, consent of instructor. Lund, Staples.

**Geol 507. Seminar.** Hours to be arranged.

Eight-week session.

## Health, Physical Education, and Recreation

Professors: CLARKE, DOUGHERTY, ESSLINGER, HAAR, RHODA, SIGERSETH, SPRAGUE, TUCK.

Associate Professors: BRUMBACH, FORD, GILLESPIE, PUCKETT, W. SMITH, WOOTEN.

Assistant Professors: BORCHARDT, KIME, MUNSON, REUTER, SCHENDEL, VAN ROSSEN.

Instructors: ADLER, BLOOMFIELD, BROEKHOFF, DIONNE, B. SMITH.

### Workshops

**PE 408. Workshop: Secondary-School and College Physical Education.** 1-6 hours.

First three weeks, June 19-July 10. Designed for secondary-school and college teachers. Directed toward the improvement of teaching, emphasizing participation, skill improvement, and proficiency. Concentrated work in methods of teaching and development of teaching materials. Dance areas open to men. Areas for participation and study:

Basic Aquatics. 2 hours.

Advanced Aquatics. 2 hours.

Basketball. 1 hour.

Track and Field. 2 hours.

Contemporary Dance. 2 hours.

Gymnastics. 2 hours.

Hand Apparatus. 1 hour.

Physical Fitness Activities. 2 hours

Field Hockey. 1 hour.

Tennis for Teachers. 2 hours.

Folk Dance. 1 hour.

Advanced Gymnastics. 2 hours.

**PE 408, 508. Workshop: Elementary-School Physical Education.** 2 hours.

June 12-16. Movement exploration, creative rhythms, singing games, international folk dances and American couple dances suitable for use in grades one through six. Munson.

**HE 463. Social Health.** (G) 3 hours.

June 12-16. Social-health content, methods, and materials appropriate for junior and senior high schools. Prerequisite: senior standing in health education or biology; graduate standing in education or physical education. Kime.

**PE 408. Workshop: Teaching in Aquatics.** 3 hours.

June 12-16. Methods, teaching techniques and basic skills of elementary and advanced aquatic activities. Van Rossen.

## Coaching Clinic

PE 406. **Coaching Clinic.** 1-2 hours.

June 12-16. Special problems of coaching football, basketball, baseball, track and field, wrestling; injury care. Designed for high-school coaches.

## Physical Education (Professional Courses)

PE 420. **Methods in Elementary-School Physical Education.** 3 hours.

Eight-week session. Program development; methods of instruction in elementary-school physical education. Purposes and requirements of the elementary physical education program, emphasizing program planning, methods, and materials of instruction. Puckett.

PE 422, 423. **Foundations of Elementary-School Physical Education.** (g) 3 hours each course.

Eight-week session. Anatomical and physiological factors basic to physical education in the elementary schools; motor-skill development in children. Bloomfield, Munson.

PE 446. **Tests and Measurements in Physical Education.** (G) 3 hours.

Eight-week session. Use of tests and measurement in physical education; evaluation of objectives, programs, and student achievement through measurement techniques. Rhoda.

PE 501. **Research.** Hours to be arranged.

Eight-week session.

PE 503. **Thesis.** Hours to be arranged.

Eight-week session.

PE 505. **Reading and Conference.** Hours to be arranged.

Eight-week session.

PE 506. **Special Problems.** Hours to be arranged.

Eight-week session. Study of selected problems in the field of physical education. Prerequisite: consent of dean.

PE 507. **Seminar: Administration of Physical Education Service Programs.** 3 hours.

Eight-week session. Study of the methods of organizing and administering service course programs in colleges and universities. Rhoda.

PE 507. **Seminar: Philosophy of Physical Education.** 3 hours.

Eight-week session. Integration and application of the philosophic process as a foundation for the development of a meaningful philosophy of modern physical education. Dougherty.

PE 507. **Seminar: Comparative Physical Education.** 3 hours.

Eight-week session. An analysis of the classical Swedish and German systems of physical education and their influence on modern programs in different countries of the world. Evaluation of current systems of physical education. Broekhoff.

PE 517. **Methods of Research.** 3 hours.

Eight-week session. Study of the methods and techniques of research in health, physical education and recreation; practice in application to problems of current interest. Broekhoff.

PE 522. **Advanced Corrective Procedures.** 3 hours.

Eight-week session. Survey of the orthopaedic conditions which fall in the province of the corrective physical education specialist; recommended therapeutic procedures; the orthopaedic examination; organization of the corrective physical education program in schools and colleges. Prerequisite: PE 521 or consent of instructor. Wooten.

- PE 530. **Developmental Program in Physical Education.** 3 hours.  
Eight-week session. Programs to meet individual physical-fitness and social needs through physical education activities; case-study techniques, developmental programs, development of social traits; administrative problems. Prerequisites: PE 444, PE 446. Reuter.
- PE 540. **Statistical Methods in Physical Education.** 3 hours.  
Eight-week session. Elementary statistics applied to research, including central tendency, variability, normal probability curve, reliability and correlation. Prerequisite: graduate standing. Clarke.
- PE 552. **Administration of Athletics.** 3 hours.  
Eight-week session. Historical development of athletics and their control. Place of athletics in education; purposes, administrative control, management, operational policies, care of equipment and facilities. Sprague.
- PE 553. **Motor Skill Learning.** 3 hours.  
Eight-week session. Review of the psychology of learning as it pertains to motor skills; research bearing upon the teaching and learning of gross motor skills. Prerequisites: PE 517, PE 540, at least one year's teaching experience. Brumbach.
- PE 557. **Supervision of Physical Education for City Supervisors.** 3 hours.  
Eight-week session. The purpose of supervision; supervision of staff, facilities, and areas; departmental organization, regulations, and policies. Reuter.
- PE 558. **Curriculum Construction in Physical Education.** 3 hours.  
Eight-week session. Basic elements and procedures of curriculum construction in physical education; special application at the city, county, and state levels. For supervisors and administrators of physical education programs. Sprague.
- PE 562. **Changes in Body Size and Form During Childhood and Adolescence.** 3 hours.  
Eight-week session. Growth in external dimensions and proportions from late infancy to early adulthood. Differences associated with sex, puberty, socio-economic status, race, secular periods, health regimen. Prerequisite: PE 561. Wooten.
- PE 573. **Gross Anatomy.** 3 hours.  
Eight-week session. Principles and facts in the fields of myology, osteology, arthrology, neurology and angiology of importance to college teachers of physical education who give instruction in anatomy, kinesiology and physiology of exercise. Application to body movement and performance. Prerequisite: Bi 391, 392 or equivalent. Bloomfield.
- PE 575. **Mechanical Analysis of Motor Skills.** 3 hours.  
Eight-week session. Analysis of various physical education activities to determine their relation to laws of physics concerning motion, force, inertia, levers, etc. Prerequisites: Bi 391, 392, PE 472, or equivalent. Sigerseth.

### Physical Education (Service Courses)

- PE 190, PE 390. **Body Building.** 1 hour.  
Eight-week session. For men. Van Rossen.
- PE 180, 190, PE 380, 390. **Fencing.** 1 hour.  
Eight-week session. For men and women. Van Rossen.
- PE 180, 190, PE 380, 390. **Golf.** 1 hour.  
Eight-week session. For men and women. Adler, Borchardt.
- PE 190, PE 390. **Handball.** 1 hour.  
Eight-week session. For men. Van Rossen.
- PE 180, 190, PE 380, 390. **Swimming.** 1 hour.  
Eight-week and eleven-week sessions. For men and women. Adler, Borchardt, Schendel.

PE 180, 190, PE 380, 390. **Tennis.** 1 hour.

Eight-week and eleven-week sessions. For men and women. Adler, Borchardt, Schendel.

## Health Education (Professional Courses)

HE 250. **Personal Health.** 3 hours.

Eight-week and eleven-week sessions. Study of the personal health problems of university men and women, with emphasis on implications for family life. Mental health, communicable diseases, degenerative diseases, nutrition. Satisfies the University requirement in health education for men and women. Kime, B. Smith, W. Smith.

HE 251. **Community Health.** 3 hours.

Eight-week session. Methods of handling health and sanitation problems in the community, with special reference to water supply, food and milk sanitation, sewage disposal, insect and rodent control; state and county health departments. B. Smith.

HE 252. **First Aid.** 3 hours.

Eight-week session. Immediate and temporary care for a wide variety of injuries or illnesses; control of bleeding, care for poisoning, and proper methods of transportation, splinting, and bandaging. Successful completion of course leads to Red Cross standard, advanced, and instructors' certificates. Dionne.

HE 450. **Elementary-School Health Education.** (g) 3 hours.

Eight-week session. The purposes and requirements of the school health service program with emphasis on organization and procedures for the school health examination. Organization and presentation of teaching materials based on the health needs of the child, community needs, and school health services. Tuck.

HE 464. **Health Instruction.** (G) 3 hours.

Eight-week session. Methods and materials in health instruction for junior and senior high schools. Special emphasis on the construction of health teaching units for Oregon secondary schools. Prerequisite: HE 361, 362, 363 or consent of instructor. W. Smith.

HE 467. **Driver Education.** 3 hours.

Eight-week session. Designed to prepare teachers to conduct driver-education courses in the secondary schools. Use of teaching devices, development of instructional units, behind-the-wheel instruction. Kime.

HE 501. **Research.** Hours to be arranged.

Eight-week session.

HE 503. **Thesis.** Hours to be arranged.

Eight-week session.

HE 505. **Reading and Conference.** Hours to be arranged.

Eight-week session.

HE 506. **Special Problems.** Hours to be arranged.

Eight-week session. Study of selected problems in health education. Prerequisite: consent of dean.

HE 506. **Special Problems: Traffic Safety.** 3 hours.

Eight-week session. Organization and administration of driver education; personal psychological problems of driving, traffic enforcement, engineering, safety teaching materials, methods of instruction in driver education. Haar.

HE 506. **Special Problems: Curriculum Construction.** 3 hours.

Eight-week session. An exploration of the relationship between public relations and health education with reference to community attitudes and support for school health programs. Prerequisite: experience in teaching health. Gillespie.

**HE 507. Seminar: Curriculum in Health Education.** 3 hours.

Eight-week session. Each enrollee will be expected to design a complete health curriculum for a specific secondary school district. Prerequisite: experience in teaching health. Gillespie.

**HE 542. Basic Issues in Health Education.** 3 hours.

Eight-week session. Current basic issues and problems in school health education; economic social forces affecting health education; implications for programs. Tuck.

**HE 552. Administration of School Health Education.** 3 hours.

Eight-week session. Organization and administration of the school health program. Haar.

## Recreation and Park Management

**RM 150. Recreation in Society.** 3 hours.

Eight-week session. Concept of community recreation; scope of recreation in American life; the role of recreation, parks and sports in human experience and in the structure of community living. Neal.

**RM 251. History and Theory of Recreation.** 3 hours.

Eight-week session. Introduction to the basic historical and philosophical foundations of leisure and recreation. Neal.

**RM 405. Reading and Conference.** Hours to be arranged.

Eight-week session.

**RM 407. Seminar.** Hours to be arranged.

Eight-week session.

**RM 415. Recreation Field Work.** 1-9 hours.

Eight-week session.

**RM 492. Recreation and Natural Resources.** (G) 3 hours.

Eight-week session. Administration of natural resources at the national, state, local and private levels; emphasis on the understanding of the functions of the recreation profession in the administration of public wild lands. Ford.

**RM 499. School and Community Recreation Programs.** (G) 3 hours.

Eight-week session. Principles of program planning for school and community; types of programs considered in relation to sex and age and individual interests, needs, and capacities. Ford.

**RM 501. Research.** Hours to be arranged.

Eight-week session.

**RM 503. Thesis.** Hours to be arranged.

Eight-week session.

**RM 505. Reading and Conference.** Hours to be arranged.

Eight-week session.

**RM 506. Special Problems.** Hours to be arranged.

Eight-week session.

**RM 408, 508. Workshop: Outdoor Recreation and Camping.** 2-3 hours.

June 12-17. Analysis of techniques, theory of recreational land use, understanding conservation problems, basic Oregon natural history, practical experience to develop leaders of outdoor recreation. Ford.

## History

Visiting Faculty: LAMAR, LAWSON, ROHR, WAKSTEIN, WEINBERG.

Professors: SMITH, SORENSON.

Assistant Professor : MADDEX.

Instructor : DILL.

Lecturer : PORTER.

- Hst 101. **History of Western Civilization.** 3 hours.  
Eight-week and eleven-week sessions. Origin and development of Western Civilization from ancient times through the Middle Ages. Dill.
- Hst 102. **History of Western Civilization.** 3 hours.  
Eleven-week session. From the Renaissance through the Napoleonic wars.
- Hst 103. **History of Western Civilization.** 3 hours.  
Eleven-week session. From 1815 to the present. Porter.
- Hst 201. **History of the United States.** 3 hours.  
Eleven-week session. The thirteen colonies, the American Revolution, and the United States to about 1846.
- Hst 202. **History of the United States.** 3 hours.  
Eight-week session. From about 1846 to 1901. Maddex.
- Hst 203. **History of the United States.** 3 hours.  
Eight-week session. Since about 1901.
- Hst 302. **Europe since 1789 (Second Term).** 3 hours.  
Eight-week session. Political, social, economic, and cultural trends from 1870 to 1918. Rohr.
- Hst 306. **English History (Third Term).** 3 hours.  
Eleven-week session. A general survey covering political, economic, social, intellectual, and religious development in the nineteenth and twentieth centuries. Porter.
- Hst 405. **Reading and Conference.** Hours to be arranged.  
Eight-week and eleven-week session.
- Hst 407. **Seminar: Early Nineteenth-Century Intellectual History.** 3 hours.  
Eight-week session. Rohr.
- Hst 407. **Seminar: British Imperial Expansion.** 3 hours.  
Eight-week session. Smith.
- Hst 407. **Seminar: The United States in the Twentieth Century.** 3 hours.  
Eight-week session. Lawson.
- Hst 407. **Seminar: American Economic History.** 3 hours.  
Eight-week session. Wakstein.
- Hst 411. **History of Greece.** (G) 3 hours.  
Eleven-week session. Political, social, and cultural history of the Hellenic world from the Mycenaeans to Alexander the Great. Dill.
- Hst 412. **History of Rome.** (G) 3 hours.  
Eleven-week session. History of Rome from its earliest beginnings to the end of the Republic. Dill.
- Hst 444. **Twentieth-Century Europe.** (G) 3 hours.  
Eight-week session. Europe from World War I to World War II. Weinberg.
- Hst 457. **The Era of American Sectional Conflict.** (G) 3 hours.  
Eight-week session. Forces, events, and persons that contributed to unity and particularism in the United States during the first half of the nineteenth century. Maddex.
- Hst 466. **Tudor England.** (G) 3 hours.  
Eight-week session. The political, social, economic, and intellectual developments of England through the reigns of the Tudor sovereigns. Smith.

- Hst 477. **History of the West (Second Term).** 3 hours.  
Eight-week session. The Great Plains and the Far West. Lamar.
- Hst 481. **The United States in the Twentieth Century (Second Term).** (G) 3 hours.  
Eight-week session. Covers the period 1921 to 1941. Lawson.
- Hst 488. **American Economic History (Second Term).** (G) 3 hours.  
Eight-week session. The economic development of the United States in the nineteenth century. Wakstein.
- Hst 501. **Research.** Hours to be arranged.  
Eight-week and eleven-week sessions.
- Hst 503. **Thesis.** Hours to be arranged.  
Eight-week and eleven-week sessions.
- Hst 505. **Reading and Conference.** Hours to be arranged.  
Eight-week and eleven-week sessions.
- Hst 507. **Seminar: Early Nineteenth-Century Intellectual History.** 3 hours.  
Eight-week session. Rohr.
- Hst 507. **Seminar: British Imperial Expansion.** 3 hours.  
Eight-week session. Smith.
- Hst 507. **Seminar: The United States in the Twentieth Century.** 3 hours.  
Eight-week session. Lawson.
- Hst 507. **Seminar: American Economic History.** 3 hours.  
Eight-week session. Wakstein.
- Hst 508. **Colloquium: Nineteenth-Century Political Movements and Ideas.** 3 hours.  
Eight-week session. Sorenson.
- Hst 508. **Colloquium: World War I and World War II.** 3 hours.  
Eight-week session. Prerequisite: reading knowledge of one modern European language. Weinberg.
- Hst 508. **Colloquium: Literature of American History.** 3 hours.  
Eight-week session. Lamar.

## Home Economics

Assistant Professor: PELCH.

Instructors: PERKINS, MILLER.

- HEc 222. **Family Relationships.** 2 hours.  
Eight-week session. Values and goals of modern family life; family roles of men and women; choice of a marriage partner; adjustment to family life. Perkins.
- HEc 225. **Nutrition.** 2 hours.  
Eight-week session. Scientific study of foods; choice of foods for the maintenance of health; common nutritional problems; evaluation of nutritional information provided in the mass media.
- HEc 430. **Personal and Family Finance.** 3 hours.  
First four weeks, June 19-July 14. Management of personal and family income including budgeting, use of consumer credit, insurance, social security, savings and investments, taxes, home ownership, and estate planning. Miller.
- Ed 408. **Workshop: Nutrition Education in Action.** (g) 3 hours.  
First two weeks, June 19-30. For elementary teachers, physical education



teachers, coaches, and health educators who desire a fresh approach to the current findings in nutrition. Relation of nutrition to the growth and development of young children and to physical fitness of teenagers, including athletes. Instructional aids and resources which may be used to coordinate nutrition with class activities, school lunch program, and home eating habits; preparation of teaching unit. Pelch.

## Journalism

Professors : HULTENG, PRICE, WALES.

Associate Professors : FREEMESSER, NELSON, RARICK, WEBB.

Assistant Professors : EWAN, NESTVOLD, REA.

**J 341. Principles of Advertising.** 3 hours.

Eight-week session. Advertising as a factor in the distributive process; the advertising agency; the "campaign"; the function of research and testing; the selection of media. Wales.

**J 371. Copy Editing I.** 3 hours.

Eight-week session. Instruction and practice in copyreading and headline writing for the daily newspaper; lectures and laboratory. Nestvold.

**J 403. Thesis.** 1-3 hours.

Eight-week session.

**J 405. Reading and Conference.** 1-3 hours.

Eight-week session.

**J 407. Seminar: High School Journalism.** (g) 4 hours.

Two offerings, June 26-July 14, and July 17-August 4. A special three-week seminar for high school journalism teachers or publications advisers who have been awarded Newspaper Fund fellowships enabling them to attend the seminar. Class sessions and daily workshops.

**J 421. Newspaper Management.** (G) 3 hours.

Eight-week session. Management problems of the newspaper; plant and equipment; personnel; administration and coordination of editorial, advertising, and mechanical departments; business office operations. Webb.

**J 459. Principles of Public Relations.** (G) 3 hours.

Eight-week session. Theory and practice of public relations as viewed by business, government, and civic organizations; study of mass media as publicity channels; the role of the public relations practitioner; public relations departments and agencies. Ewan.

**J 487. History of Journalism.** (G) 3 hours.

Eight-week session. Study of the changing character of the newspaper, with emphasis on the contributions of outstanding editors, publishers and inventors. The evolution of freedom of the press, editorial and business standards, mechanics, and advertising practices. Price.

**J 503. Thesis.** 1-3 hours.

Eight-week session.

**J 505. Reading and Conference.** 1-3 hours.

Eight-week session.

**J 507. Seminar: History of Photography.** 3 hours.

Eight-week session. Photography as expression and communication; documentary, pictorial and informational, from 1839 to the present. A study of representative photographers of each period through their photographs; social and cultural impact of photography. Freemesser.

**J 512. Communication Theories and Research Methods.** 3 hours.

Eight-week session. Selection of research problems; planning the study; field research methods, experimental methods, sampling and measurement problems; theories of communication; effects of mass communication. Rarick.

## Librarianship

Visiting Faculty: BUCHANNAN, CARTER, J. KEMPER.

Associate Professor: PIERRON.

Assistant Professors: R. KEMPER, McNEIR, THATCHER.

**Lib 490. Children's Literature.** (G) 3 hours.

Eight-week session. Survey of children's literature, with emphasis on selection and evaluation of books suitable for public and school libraries; reading guidance in relation to both personal and curricular needs. Buchanan.

**Lib 511. Cataloging and Classification.** 3 hours.

Eight-week session. Instruction and practice in procedures for the classification and cataloging of books, films, filmstrips, phonorecords, and maps. Procedure for ordering and using Library of Congress and Wilson cards. J. Kemper.

**Lib 512. Advanced Cataloging and Classification.** 3 hours.

Eight-week session. Problems in the cataloging and classification of books and other library materials; brief survey of theories and experiments in cataloging and classification and their implications for the future. Prerequisite: Lib 511. J. Kemper.

**Lib 521. Bibliography and Reference.** 3 hours.

Eight-week session. Introduction to reference services; evaluation and use of reference materials; correct bibliographical forms; practical problems in the use of reference books. Carter.

**Lib 522. Advanced Bibliography and Reference.** 3 hours.

Eight-week session. Reference books in the various subject fields; theory and history of bibliography; interlibrary loan. Prerequisite: Lib 521. Carter.

**Lib 523. Government Publications.** 3 hours.

Eight-week session. The acquisition, organization, and use of government publications of the United States, selected foreign countries, and international organizations, with special attention to United States government documents. Prerequisite: Lib 521. McNeir.

**Lib 531. The Library in Society.** 3 hours.

Eight-week session. The development of American libraries; their functions as educational institutions; legal structure; interlibrary cooperation; relations with the mass media; librarianship as a profession. R. Kemper.

**Lib 532. The School Library.** 3 hours.

Eight-week session. Administrative and service problems of school libraries, including collection building and maintenance, staffing, public relations with clientele and supporting institutions. Prerequisite: Lib 531. R. Kemper.

**Lib 542. Selection and Acquisition of Materials.** 3 hours.

Eight-week session. Theories, principles and practice of selecting books and other library materials. Techniques of acquisition by public, school, academic and special libraries. Pierron.

**Lib 558. Storytelling.** 3 hours.

Eight-week session. Fundamental principles of the art of storytelling, including the planning of a story hour, location of suitable materials for use, and the techniques of learning and presenting the story; study and selection of literature appropriate for oral presentation to children of all ages. Buchanan.

Lib 562. **Literature of the Sciences.** 3 hours.

Eight-week session. Survey and evaluation of library materials in the fields of science and technology; problems of scientific documentation; literature searching methods; compilation, classification, and reporting of information. Thatcher.

## Mathematics

Visiting Faculty : BAARTZ, BAXTER, DIVINSKY, JENNINGS, WALSH.

Professors : GHENT, MOORSUND, NIVEN.

Associate Professor : MAIER.

Instructors : BEELMAN, SHERMAN.

Upper-division and graduate courses offered by the Department of Mathematics during the summer session differ from those offered during the regular session. Usually, however, the needs of all students can be met. Regular-session students should consult the head of the department before planning their programs.

Candidates for the M.A., M.S., and Ph.D. degrees may obtain detailed information on requirements for those degrees at the Mathematics Office.

The following sequences are designed primarily for teachers working toward a special master's degree :

Mth 457 (g), 458 (g), Mth 459 (g). Foundations of Mathematics. 12 hours.

Mth 468 (g), 469 (g). Probability and Statistics. 8 hours.

Mth 478 (g), 479 (g), 579, 580. Algebra. 16 hours.

Mth 487 (g), 488 (g), 489 (g), 589. Geometry. 16 hours.

Mth 498 (g), 499 (g), 598, 599. Analysis. 16 hours.

The department offers these courses on a rotating basis, so that a student may complete all of them in at most four summers. This summer Mth 457, Mth 458, Mth 469, Mth 478, Mth 487, Mth 499, and Mth 589 will be offered. Mth 121, Mth 122, a special course for elementary-school teachers, is offered every summer.

Each summer the special courses are supplemented by regular-session courses and seminars of interest to teachers. See also the courses listed under MATHEMATICS INSTITUTE (a limited number of teachers who are not in the institute may enroll for these courses with approval of the director).

Mth 95. **Intermediate Algebra.** 4 hours.

Eight-week and eleven-week sessions. Intended for students with inadequate preparation for introductory college mathematics courses such as Mth 104. Prerequisite: one year of high-school algebra.

Mth 104. **Introductory College Mathematics.** 4 hours.

Eight-week and eleven-week sessions. A brief introduction to elementary logic and set theory, algebra and essentials of trigonometry. Prerequisite: one and one-half years of high school algebra or intermediate algebra in college.

Mth 105. **Introductory College Mathematics.** 4 hours.

Eight-week and eleven-week sessions. The second term of the basic freshman course. Analytic geometry, and other selected topics. Prerequisite: trigonometry or Mth 104.

Mth 106. **Introductory College Mathematics.** 4 hours.

Eleven-week session. Elementary calculus of polynomials with necessary topics from analytic geometry. Mathematics majors and other students who desire to make rapid progress should take Mth 200 instead of Mth 106. Prerequisite: Mth 105 or four years of high-school mathematics.

**Mth 115. Preparation for Calculus.** 4 hours.

Eight-week session. Intended for students who have had a considerable amount of high-school mathematics but are not quite ready to start a college course in the calculus. Prerequisite: high-school trigonometry.

**Mth 121. Mathematics for Elementary Teachers.** 3 hours.

Eight-week session. The first term of a two-term sequence required in the elementary teacher program. Basic concepts of arithmetic and elementary algebra. Emphasis on the real number system and deductive processes within the system. Sherman.

**Mth 122. Mathematics for Elementary Teachers.** 3 hours.

Eight-week session. The second term of the required two-term sequence in the elementary teacher program. Prerequisite: Mth 121 or equivalent; or consent of instructor. Sherman.

**Mth 200, 201, 202, 203. Calculus with Analytic Geometry.** 4 hours each term.

A four-term sequence in differential and integral calculus, with topics from analytic geometry included as needed. Students should consult the department for information concerning topics covered in each term. Prerequisite: Mth 104 or equivalent with a grade of A or B; or Mth 104 and Mth 105 or equivalent; or four years of high-school mathematics with excellent grades.

**Mth 200. Calculus with Analytic Geometry (First Term).** 4 hours.

First five and one-half weeks, June 19-July 26.

**Mth 201. Calculus with Analytic Geometry (Second Term).** 4 hours.

First five and one-half weeks, June 19-July 26.

**Mth 201. Calculus with Analytic Geometry (Second Term).** 4 hours.

Second five and one-half weeks, July 27-September 1.

**Mth 202. Calculus with Analytic Geometry (Third Term).** 4 hours.

First five and one-half weeks, June 19-July 26.

**Mth 202. Calculus with Analytic Geometry (Third Term).** 4 hours.

Second five and one-half weeks, July 27-September 1.

**Mth 203. Calculus with Analytic Geometry (Fourth Term).** 4 hours.

Eleven-week session.

**Mth 203. Calculus with Analytic Geometry (Fourth Term).** 4 hours.

Second five and one-half weeks, July 27-September 1.

**Mth 233. Introduction to Numerical Computation.** 3 hours.

Eight-week session. Basic principles of computation; programming a computer in an algebraic language. Prerequisite: Mth 104 or equivalent.

**Mth 405. Reading and Conference.** Hours to be arranged.

Eight-week and eleven-week sessions.

**Mth 407. Seminar: NSF Undergraduates.** (g) Hours to be arranged.

Ten weeks, June 19-August 25.

**Mth 407. Seminar.** (g) Hours to be arranged.

Eight-week and eleven-week sessions.

**Mth 411. Introductory Linear Algebra.** (g) 3-4 hours.

Eight-week and eleven-week sessions. Computational matrix algebra, vector spaces, systems of linear equations, matrices, determinants, characteristic roots, quadratic forms and diagonalization. Equivalent to the special teachers course Mth 479 (g). Prerequisite: Mth 202 or 205 or consent of department.

**Mth 416. Introduction to Abstract Algebra.** (G) 3-4 hours.

Eight-week and eleven-week sessions. The second term of a three-term sequence with topics selected from elementary group theory, theory of fields, factorization in integral domains with applications to number theory, introduction to vector spaces. Prerequisite: Mth 415 or equivalent.

**Mth 419. Functions of Several Variables.** (g) 3-4 hours.

Eight-week and eleven-week sessions. Partial differentiation, multiple inte-

- grals and other selected topics. Prerequisite: Mth 203 or Mth 206 or consent of department.
- Mth 425. **Element of Statistical Methods.** (g) 3 hours.  
 Eight-week session. Introductory course in statistics. Integrated with Educational Statistics (Ed 515). Desk calculators available. Prerequisite: Mth 95 or one and one-half years of high-school algebra.
- Mth 428. **Scientific and Statistical Computation.** (G) 3 hours.  
 Eight-week session. Numerical computation, including programming a computer in an algebraic language, and numerical error control. Prerequisite: Mth 418 or consent of instructor. Computing Center staff.
- Mth 444. **Computing.** (g) 4 hours.  
 Eight-week session. Introduction to the principles of digital computers, analysis of data processing systems, programming languages and techniques, selected advanced topics of current interest. Prerequisite: Mth 233 or equivalent.
- Mth 457. **Foundations of Mathematics.** (g) 4 hours.  
 Eight-week session. Foundations of arithmetic and elementary algebra. Recommended for junior high-school teachers. Prerequisite: one year of college mathematics.
- Mth 458. **Foundations of Mathematics.** (g) 4 hours.  
 Eight-week session. Elementary mathematical logic and set theory. Propositional calculus, algebra of sets, functions and relations, cardinal numbers, ordinal numbers, point sets on the real line. Prerequisite: consent of department.
- Mth 478. **Algebra.** (g) 4 hours.  
 Eight-week session. Theory of equations, cubics, quartics, approximation of roots, determinants, simultaneous equations, and other classical topics. Prerequisite: consent of department. Divinsky.
- Mth 487. **Geometry.** (g) 4 hours.  
 Eight-week session. Axiomatic development of Euclidean geometry from both metric and synthetic points of view. Prerequisite: one year of college mathematics.
- Mth 501. **Research.** Hours to be arranged.  
 Eight-week and eleven-week sessions.
- Mth 503. **Thesis.** Hours to be arranged.  
 Eight-week and eleven-week sessions.
- Mth 505. **Reading and Conference.** Hours to be arranged.  
 Eight-week and eleven-week sessions.
- Mth 507. **Seminar.** Hours to be arranged.  
 Eight-week and eleven-week sessions.
- Mth 589. **Geometry IV.** 4 hours.  
 Eight-week session. Analytic geometry in 2, 3 and n dimensions with special attention to curves and surfaces, regular polyhedra and generalizations. Prerequisite: Geometry I or equivalent and linear algebra. Jennings.

## Mathematics Institute

The University has been granted funds by the National Science Foundation to conduct a Sumer Institute for Teachers of High School Mathematics, with Professor A. F. Moursund as director. The institute will be held during the eight-week summer session. Stipends of \$75 per week, exemption from most fees, allowances for dependents, and travel allowances are available for some 50 teachers. Institute courses which parallel regular summer session courses described above are not listed below.

Some institute courses are open only to institute participants. Those open to a limited number of non-institute teachers are designated with an asterisk (\*).

\*Mth 462. **Combinatorial Analysis.** (g) 2 hours.

First four weeks, June 19 to July 14. The number of ways of doing a well defined operation. A knowledge of permutations and combinations is assumed. Prerequisite: consent of department. Niven.

Mth 463. **Electronic Computing.** (g) 3 hours.

Eight-week session. An introduction to Fortran programming and computing using the I.B.M. 1620 computer. Prerequisite: consent of instructor.

\*Mth 464. **Foundations of the Calculus.** (g) 4 hours.

Eight-week session. Real numbers, functions, limits, continuity, derivatives, definite integrals, the fundamental theorem. Prerequisite: calculus. Moursund.

\*Mth 469. **Probability and Statistics II.** 4 hours.

Eight-week session. Continuation and amplification of Probability and Statistics I, which introduced such topics as elementary probability theory, binomial and normal probability functions, statistical inference. Emphasis on applications. Prerequisite: Probability and Statistics I.

Mth 499. **Sequences and Series.** 4 hours.

Eight-week session. An introductory theory course. Series of constant terms and functions, convergence, uniform convergence, basic theorems, representation of functions by series, computation of constants such as  $e$  and  $\pi$  and the tables of logarithms and trigonometric functions. Prerequisite: consent of department.

Mth 507. **Seminar: NSF Teachers.** 1-2 hours.

Eight-week session. Jennings and Maier.

\*Mth 580. **Number Theory.** 4 hours.

Eight-week session. Properties of the integers, linear Diophantine equations, congruences, Fermat's theorem and other selected topics. Prerequisite: at least one of the institute courses in algebra or equivalent.

## Military Science and Aerospace Studies

Professors: FOSSUM, KREITZ.

### Military Science

Mil 121, 122, 123. **Military Science I.** 1 hour.

Eight-week session. By special arrangement with the professor of military science. Organization of the Army and the Army R.O.T.C.; individual weapons and marksmanship; the Army and national security; counterinsurgency; leadership laboratory. Students enrolled must also take a course within the general academic area of effective communications, general psychology, science comprehension, or political institutions and political development which carries 2 or more term hours of credit and satisfies the University group requirement.

Mil 121. *Military Science I (First Term).* 1 hour.

Mil 122. *Military Science I (Second Term).* 1 hour.

Mil 123. *Military Science I (Third Term).* 1 hour.

Mil 221, 222, 223. **Military Science II.** 1 hour.

Eight-week session. By special arrangement with the professor of military science. Map and aerial photograph reading; American military history; introduction to basic tactics and techniques; counterinsurgency; leadership laboratory.

Mil 221. *Military Science II (First Term)*. 1 hour.

Mil 222. *Military Science II (Second Term)*. 1 hour.

Mil 223. *Military Science II (Third Term)*. 1 hour.

Mil 311, 312, 313. **Military Science III**. 4 hours.

Eight-week session. By special arrangement with the professor of military science. Leadership; military teaching principles; branches of the Army; small-unit tactics and communications; counterinsurgency; precamp orientation; leadership laboratory.

Mil 311. *Military Science III (First Term)*. 4 hours.

Mil 312. *Military Science III (Second Term)*. 4 hours.

Mil 313. *Military Science III (Third Term)*. 4 hours.

Mil 411, 412, 413. **Military Science IV**. 4 hours.

Eight-week session. By special arrangement with the professor of military science. Operations logistics; Army administration; military law; the role of the United States in world affairs; counterinsurgency; service orientation; leadership laboratory.

Mil 411. *Military Science IV (First Term)*. 4 hours.

Mil 412. *Military Science IV (Second Term)*. 4 hours.

Mil 413. *Military Science IV (Third Term)*. 4 hours.

## Aerospace Studies

AS 121, 122, 123. **Aerospace Studies I**. 1 hour.

Eight-week session. By special arrangement with professor of aerospace studies. Students may enroll in any one of the three courses for the eight-week session. Causes of the present world conflict, the role and relationship of military power to that conflict, and the responsibilities of an Air Force officer. Study of the interrelationship of national power factors; a comparative analysis of the Democratic, Fascist, and Communist ideologies; patterns of conflict relative to the confrontation between opposing ideologies; and the role of military power as a facet of national policy. The Department of Defense and the doctrine, mission, and functions of the U.S. Air Force.

AS 221, 222, 223. **Aerospace Studies II**. 1 hour.

Eight-week session. By special arrangement with professor of aerospace studies. Students may enroll in any one of the three courses for the eight-week session. Study of world military forces and related political-military issues. The U.S. Army and the U.S. Navy, their doctrines, missions, and employment concepts; the military forces of NATO, CENTO, and SEATO, and their role in free world security; the military forces of the U.S.S.R., the Soviet satellite armies, and the Chinese Communist army. Analysis of the trends and implications of world military power.

AS 311, 312, 313. **Aerospace Studies III**. 3 hours.

Eleven-week session. By special arrangement with professor of aerospace studies. Students may enroll in any one of the three courses for the eleven-week session. The nature of war; development of air power in the United States; mission and organization of the Department of Defense; Air Force concepts, doctrine, and employment; astronautics and space operations; the future development of aerospace power; United States space programs, vehicles, systems and problems in space exploration.

AS 405. **Reading and Conference**. Hours to be arranged.

Eleven-week session. By special arrangement with professor of Aerospace Studies.

## Modern and Classical Languages

Visiting Faculty: YVES DE LA QUÉRIÈRE, SELMA DE LA QUÉRIÈRE.

Professors: BEALL, JOHNSON, NICHOLLS.

Associate Professors: HAHN, HATZANTONIS, PASCAL.

Assistant Professors: BEDWELL, DILLER, McWILLIAMS, MIYAJI, ROSE, TOMANEK.

Instructor: BEIT-ISHOO, BLOOMFIELD, COOPER, CORTÉS-HWANG, CURLAND, D'ANGELO, HWANG, JONES, KASDORF, OLIVIER.

Assistants: BENSELER, McCULLOCH, TORVEND.

### Arts and Letters

AL 450, 451. **Descriptive Linguistics.** (g) 3 hours each term.

Eight-week session. Study of the general internal structure of languages. Prerequisite: senior or graduate standing, three years of college language study, or consent of instructor. Miyaji.

AL 450. *Descriptive Linguistics (First Term)*. 3 hours.

First four weeks, June 19-July 14.

AL 451. *Descriptive Linguistics (Second Term)*. 3 hours.

Second four weeks, July 17-August 11.

### Classics

CL 60, 61, 62. **First-Year Latin.** 4 hours first two terms, 3 hours third term.

Fundamentals of Latin grammar. Pascal.

CL 60. *First-Year Latin (First Term)*. 4 hours.

First four weeks, June 19-July 14.

CL 61. *First-Year Latin (Second Term)*. 4 hours.

Second four weeks, July 17-August 11.

CL 62. *First-Year Latin (Third Term)*. 3 hours.

Three weeks, August 14-September 1.

CL 408. **Latin Seminar.** (G) 6 hours.

Eight-week session. Study of Latin authors selected with special attention to the needs and interests of teachers. Pascal.

### French

RL 50, 51, 52. **First-Year French.** 4 hours first two terms, 3 hours third term.

An introduction to the language, stressing reading, comprehension of the spoken tongue, and the basic principles of French grammar. Equivalent to First-Year French given during the regular academic year. Beit-Ishoo, Bloomfield.

RL 50. *First-Year French (First Term)*. 4 hours.

First four weeks, June 19-July 14.

RL 51. *First-Year French (Second Term)*. 4 hours.

Second four weeks, July 17-August 11.

RL 52. *First-Year French (Third Term)*. 3 hours.

Three weeks, August 14-September 1.

RL 101, 102, 103. **Second-Year French.** 4 hours first two terms, 3 hours third term.

Study of selections from representative authors; review of grammar; considerable attention to oral use of the language. Equivalent to Second-Year French given during the regular academic year. Cooper, Johnson.



- RL 101. *Second-Year French (First Term)*. 4 hours.  
First four weeks, June 19-July 14.
- RL 102. *Second-Year French (Second Term)*. 4 hours.  
Second four weeks, July 17-August 11.
- RL 103. *Second-Year French (Third Term)*. 3 hours.  
Three weeks, August 14-September 1.
- RL 303. **Survey of French Literature**. 3 hours.  
Eight-week session. The principal French authors from 1850 to the present: Flaubert, Baudelaire, Verlaine, Valery, Proust, Sartre, Camus, Robbe-Grillet, Ionesco, and others. Equivalent to the third term of Survey of French Literature offered during the regular academic year. M. de la Quérière.
- RL 314. **Intermediate French Composition and Conversation**. 3 hours.  
Eight-week session. Emphasis on exercises and review drills, conducted in French. Prerequisite: two years of college French or equivalent. Mme de la Quérière.
- RL 405. **Reading and Conference**. (G) Hours to be arranged.  
Eight-week session.
- RL 407. **Seminar: French Literary Criticism**. 3 hours.  
Eight-week session. Survey of French literary criticism from Sainte-Beuve to the "nouvelle critique." Conducted in French. M. de la Quérière.
- RL 407. **Seminar: French Renaissance Literature**. 3 hours.  
Eight-week session. Beall.
- RL 503. **Thesis**. Hours to be arranged.  
Eight-week session.
- RL 505. **Reading and Conference**. Hours to be arranged.  
Eight-week session.
- RL 507. **Seminar: French Literary Criticism**. 3 hours.  
Eight-week session. Survey of French literary criticism from Sainte-Beuve to the "nouvelle critique." Conducted in French. M. de la Quérière.
- RL 507. **Seminar: French Renaissance Literature**. 3 hours.  
Eight-week session. Beall.
- RL 508. **Workshop: Methods and Materials for Teaching Modern Languages**. 6 hours.  
June 19-July 14. Designed to assist secondary school teachers in the effective use of current textbooks and materials, including those approved for Oregon, California, and Washington. Offered in cooperation with the State Department of Education by the members of the University staff who offer the courses in methods during the regular academic year and who direct the program of practice teaching in foreign languages. Supplementary laboratory assignments. Curland, Diller, Jones.

## German

- GL 50, 51, 52. **First-Year German**. 4 hours first two terms, 3 hours third term.  
The fundamentals of grammar, oral drill, and translation of prose selections. Equivalent to First-Year German given during the regular academic year. Recommended for students who wish to acquire a reading knowledge. Benseler, McCulloch.
- GL 50. *First-Year German (First Term)*. 4 hours.  
First four weeks, June 19-July 14.
- GL 51. *First-Year German (Second Term)*. 4 hours.  
Second four weeks, July 17-August 11.
- GL 52. *First-Year German (Third Term)*. 3 hours.  
Three weeks, August 14-September 1.

- GL 101, 102, 103. **Second-Year German.** 4 hours first two terms, 3 hours third term.  
Review of grammar and composition; reading of selections from representative authors; conversation. Approximate equivalent to Second-Year German given during the regular academic year. Kasdorf, Torvend.
- GL 101. *Second-Year German (First Term).* 4 hours.  
First four weeks, June 19-July 14.
- GL 102. *Second-Year German (Second Term).* 4 hours.  
Second four weeks, July 17-August 11.
- GL 103. *Second-Year German (Third Term).* 3 hours.  
Three weeks, August 14-September 1.
- GL 320, 321. **Scientific German.** 3 hours each term.  
Eight-week session. Intensive practice in the reading of scientific texts of increasing difficulty. Prerequisite: satisfactory completion of First-Year German or consent of instructor. McWilliams.
- GL 320. *Scientific German (First Term).* 3 hours.  
First four weeks, June 19-July 14.
- GL 321. *Scientific German (Second Term).* 3 hours.  
Second four weeks, July 17-August 11.
- GL 334. **German Composition and Conversation.** 3 hours.  
Eight-week session. Extensive practice in speaking and writing. Conducted in German. Prerequisite: two years of college German or consent of instructor. Kasdorf.
- GL 405. **Reading and Conference.** (G) Hours to be arranged.  
Eleven-week session. Readings and reports in selected periods of German literature. Hahn.
- GL 414, 415, 416. **German Literature of the Nineteenth Century.** (G) 2 hours each term.  
Selections from significant authors from the death of Goethe to the flowering of naturalism. Plays of Hebbel and Grillparzer; Heine and the Young Germans; the novels and Novellen of Keller; the rise of naturalism and the young Hauptmann. Prerequisite: Survey of German Literature. Hahn.
- GL 414. *German Literature of the Nineteenth Century (First Term).* 2 hours.  
First four weeks, June 19-July 14.
- GL 415. *German Literature of the Nineteenth Century (Second Term).* 2 hours.  
Second four weeks, July 17-August 11.
- GL 416. *German Literature of the Nineteenth Century (Third Term)* 2 hours.  
Three weeks, August 14-September 1.
- GL 421, 422, 423. **German Literature of the Twentieth Century.** (G) 2 hours each term.  
Representative prose, poetry, and drama by contemporary German authors and those of the recent past; particular attention to experimental forms in the theater from Hauptmann to Zuckmayer, and to the novels of Thomas Mann and Herman Hesse. Bedwell.
- GL 421. *German Literature of the Twentieth Century (First Term).* 2 hours.  
First four weeks, June 19-July 14.
- GL 422. *German Literature of the Twentieth Century (Second Term).* 2 hours.  
Second four weeks, July 17-August 11.
- GL 423. *German Literature of the Twentieth Century (Third Term).* 2 hours.  
Three weeks, August 14-September 1.
- GL 503. **Thesis.** Hours to be arranged.  
Eight-week session. Nicholls.

- GL 505. **Reading and Conference.** Hours to be arranged.  
Eleven-week session. Readings and reports in selected periods of German literature. Hahn.
- GL 508. **Workshop: Methods and Materials for Teaching Modern Languages.** 6 hours.  
June 19-July 14. Designed to assist secondary school teachers in the effective use of current textbooks and materials, including those approved for Oregon, California, and Washington. Offered in cooperation with the State Department of Education by the members of the University staff who offer the courses in methods during the regular academic year and who direct the program of practice teaching in foreign languages. Curland, Diller, Jones.
- GL 546. **Seminar: Thomas Mann.** 3 hours.  
Eight-week session. Nicholls.

## Italian

- RL 70, 71, 72. **First-Year Italian.** 4 hours first two terms, 3 hours third term.  
Grammar, pronunciation, composition, and translation of modern authors. Equivalent of First-Year Italian given during regular academic year. D'Angelo.
- RL 70. *First-Year Italian (First Term).* 4 hours.  
First four weeks, June 19-July 14.
- RL 71. *First-Year Italian (Second Term).* 4 hours.  
Second four weeks, July 17-August 11.
- RL 72. *First-Year Italian (Third Term).* 3 hours.  
Three weeks, August 14-September 1.
- RL 104, 105. **Second-Year Italian.** 4 hours each term.  
Study of selections from representative authors. Composition, pronunciation, grammar. Equivalent of Second-Year Italian given during regular academic year. Hatzantonis.
- RL 104. *Second-Year Italian (First Term).* 4 hours.  
First four weeks, June 19-July 14.
- RL 105. *Second-Year Italian (Second Term).* 4 hours.  
Second four weeks, July 17-August 11.
- RL 405. **Reading and Conference.** (G) Hours to be arranged.  
Eight-week session. Studies in Italian language and literature. Students interested should consult the instructor. Hatzantonis.
- RL 503. **Thesis.** Hours to be arranged.  
Eight-week session. Hatzantonis.
- RL 505. **Reading and Conference.** Hours to be arranged.  
Eight-week session. Studies in Italian language and literature. Students interested should consult the instructor. Hatzantonis.

## Spanish

- RL 60, 61, 62. **First-Year Spanish.** 4 hours first two terms, 3 hours third term.  
An introduction to Spanish, stressing speaking and reading; exercises in elementary composition. Equivalent to First-Year Spanish during regular academic year. Cortés-Hwang, Rose.
- RL 60. *First-Year Spanish (First Term).* 4 hours.  
First four weeks, June 19-July 14.
- RL 61. *First-Year Spanish (Second Term).* 4 hours.  
Second four weeks, July 17-August 11.

- RL 62. *First-Year Spanish (Third Term)*. 3 hours.  
Three weeks, August 14-September 1.
- RL 107, 108, 109. **Second-Year Spanish**. 4 hours first two terms, 3 hours third term.  
Intensive oral and written exercises designed to help the student acquire an accurate and fluent use of Spanish. Study of selections from representative authors. Equivalent to Second-Year Spanish given during regular academic year. Hwang.
- RL 107. *Second-Year Spanish (First Term)*. 4 hours.  
First four weeks, June 19-July 14.
- RL 108. *Second-Year Spanish (Second Term)*. 4 hours.  
Second four weeks, July 17-August 11.
- RL 109. *Second-Year Spanish (Third Term)*. 3 hours.  
Three weeks, August 14-September 1.
- RL 408. **Seminar: Spanish-American Novel**. 3 hours.  
Eight-week session. Tomanek.
- RL 446. **Spanish-American Literature**. (G) 3 hours.  
Eight-week session. Tomanek.
- RL 461. **Advanced Composition and Conversation**. (G) 3 hours.  
Eight-week session. Normally required of Spanish majors. Prerequisite: RL 347, 348, 349 or equivalent. Conducted in Spanish. Hwang.
- RL 503. **Thesis**. Hours to be arranged.  
Eight-week session. Tomanek.
- RL 505. **Reading and Conference**. 3 hours.  
Eight-week session.
- RL 508. **Seminar: Spanish-American Novel**. 3 hours.  
Eight-week session. Tomanek.
- RL 508. **Workshop: Methods and Materials for Teaching Modern Languages**.  
6 hours.  
June 19-July 14. Designed to assist secondary school teachers in the effective use of current textbooks and materials, including those approved for Oregon, California, and Washington. Offered in cooperation with the State Department of Education by the members of the University staff who offer the courses in methods during the regular academic year and who direct the program of practice teaching in foreign languages. Curland, Diller, Jones.

## Music

Visiting Faculty: DILLING, FREUNDLICH, HILL, JONES, ROBINS, SCHOCH.

Professors: BAILEY, KELLER, NYE, TROTTER.

Associate Professors: BITTNER, BOUGHTON, HLADKY, LEE, RISINGER, SALTZMAN, WHITFIELD, WILSON.

Assistant Professors: BERGQUIST, CHODOS, CUNNINGHAM, MARTIN.

Instructors: HEDEGAARD, KEAN, LEWIS, SHRADER, TUBB.

**Fees.** The following special fees are charged for private instruction lessons in Mus 190, Mus 290, Mus 390, Mus 391, Mus 490, and Mus 590: piano, violin, viola, voice, one lesson a week for eight weeks, \$20.00; two lessons a week, \$33.00. Wind instruments, one lesson a week for eight weeks, \$14.00; two lessons a week, \$28.00. Practice-room fee: one hour daily for eight weeks, \$2.75.

- Mus 190. Performance Studies (Private Instruction).** 1-4 hours.  
 Eight-week session. Individual instruction in the technical and stylistic aspects of artistic solo performance. Information concerning required levels of proficiency at each level (Mus 190 through Mus 590) may be obtained in the School of Music office. Prerequisite: audition.  
 Piano—Bittner, Chodos. Woodwind Instruments—Cunningham.  
 Voice—Bailey, Wilson. Brass Instruments—Lee, Lewis.  
 Violin—Boughton. Organ, Harpsichord—Hill.  
 Cello—Hladky.
- Mus 195. Band.** 1 hour.  
 Eight-week session. Prerequisite: audition; consent of instructor. Lee.
- Mus 196. Orchestra.** 1 hour.  
 Eight-week session. Prerequisite: audition; consent of instructor. Boughton.
- Mus 197. Chorus.** 1 hour.  
 Eight-week session. Preparation of a major choral work in the large form for public performance. Prerequisite: audition; consent of instructor. Risinger.
- Mus 290. Performance (Private Instruction).** 1-4 hours.  
 Eight-week session. Prerequisite: proficiency required for satisfactory completion of Mus 190. For further information, see Mus 190.
- Mus 321. Music Fundamentals.** 2 hours.  
 Eight-week session. Study of musical notation and terminology; rudiments of sight singing and ear training; introduction to simple melodic and rhythmic instruments. Designed to provide students without previous musical training with some insight into musical language and basic performance skills. Not open to music majors. Hedegaard.
- Mus 322. Music Fundamentals.** 2 hours.  
 Eight-week session. Continuation of 321. Prerequisite: Music 321 or consent of instructor. Hedegaard.
- Mus 390. Performance (Private Instruction).** 1-4 hours.  
 Eight-week session. Prerequisite: proficiency required for satisfactory completion of Mus 290; jury audition. For further information, see Mus 190.
- Mus 391. Performance Studies (Private Instruction).** 2 hours.  
 Eight-week session. For students not specializing in performance for their degree program. Prerequisite: completion of Mus 290; jury audition. For further information, see Mus 190.
- Mus 394. Chamber Ensemble.** 1 hour.  
 Eight-week session. Study of masterpieces of music through small-group rehearsal. For stringed instruments, wind instruments, piano, and voice. (Two sections—wind, string.) Prerequisite: audition; consent of instructor.
- Mus 395. Band.** 1 hour.  
 Eight-week session. Prerequisite: upper-division standing; audition. Lee.
- Mus 396. Orchestra.** 1 hour.  
 Eight-week session. Prerequisite: upper-division standing; audition. Boughton.
- Mus 397. Chorus.** 1 hour.  
 Eight-week session. Prerequisite: upper-division standing; audition. Risinger.
- Mus 405. Reading and Conference.** Hours to be arranged.  
 Eight-week session. Prerequisite: consent of dean.
- Mus 407. Seminar.** (G) Hours to be arranged.  
 Eight-week session.
- Mus 407. Seminar: Theory Review.** No credit.  
 Eight-week session. Tubb.

- Mus 439. **Choral Arranging.** (G) 3 hours.  
Eight-week session. Tubb.
- Mus 450. **Listening with Understanding.** (G) 3 hours.  
Eight-week session. Martin.
- Mus 455. **Orchestral Literature.** (G) 2 hours.  
Eight-week session. Hladky.
- Mus 460. **Song Literature.** (G) 3 hours.  
Eight-week session. Wilson.
- Mus 469. **Sacred Choral Literature.** (G) 3 hours.  
Eight-week session. Saltzman.
- Mus 472. **Music in Worship.** (G) 2 hours.  
Eight-week session. Saltzman.
- Mus 485. **Advanced Conducting.** (G) 3 hours.  
Eight-week session. Cunningham.
- Mus 493. **Collegium Musicum.** (G) 1 hour.  
Eight-week session. Saltzman.
- Mus 490. **Performance Studies (Private Instruction).** 1-4 hours.  
Eight-week session. Prerequisite: proficiency required for satisfactory completion of Mus 390; consent of instructor. For further information see Mus 190.
- Mus 501. **Research.** Hours to be arranged.  
Eight-week session.
- Mus 503. **Thesis.** Hours to be arranged.  
Eight-week session.
- Mus 505. **Reading and Conference.** Hours to be arranged.  
Eight-week session.
- Mus 507. **Seminar.** Hours to be arranged.  
Eight-week session.
- Mus 507. **Seminar: Theory (avant-garde).** Hours to be arranged.  
Eight-week session. Keller.
- Mus 507. **Seminar: Tonality.** 3 hours.  
Eight-week session. Tonality in concept and practice in selected works from the thirteenth to the twentieth century. Bergquist.
- Mus 508. **Workshop in Piano.**  
One week. July 17-21. Freundlich.
- Mus 508. **Workshop in Music Education.**  
Six weeks. June 19-July 28. Jones.
- Mus 508. **Workshop: Harp.** 2 hours.  
July 3-14. Dilling.
- Mus 511. **Research Methods in Music.** 3 hours.  
Eight-week session. Bibliographical studies and introduction to major sources of music and information about music. Martin.
- Mus 513. **Research Methods in Music.** 3 hours.  
Eight-week session. Formal presentation of research papers in systematic musical studies relating to acoustics, psychology, aesthetics, and pedagogy. Whitfield.
- Mus 565. **Music in the Twentieth Century.** 3 hours.  
Eight-week session. The continuation of romantic ideals; Freud and musical expressionism; political, sociological, and scholarly influences on composing

and performing style; eclecticism and Stravinsky. Implications of recent developments. Keller.

Mus 590. **Performance Studies (Private Instruction).** 1-4 hours.

Eight-week session.

Mus 594. **Chamber Ensemble.** 1 hour.

Eight-week session. (Two sections—wind, string.) Prerequisite: audition; consent of instructor. For further information, see Mus 394.

Mus 595. **Band.** 1 hour.

Eight-week session. Prerequisite: upper-division standing; audition.

Mus 596. **Orchestra.** 1 hour.

Eight-week session. Prerequisite: upper-division standing; audition.

Mus 597. **Chorus.** 1 hour.

Eight-week session. Prerequisite: upper-division standing; audition.

## Music Education

MuE 383. **Music Methods for Elementary Teachers.** 3 hours.

Eight-week session. Methods of teaching music activities in elementary schools. Required for students preparing for elementary-school teaching. Prerequisite: Mus 321, 322 or consent of instructor. Martin.

MuE 405. **Reading and Conference.** (G) Hours to be arranged.

Eight-week session. Prerequisite: consent of dean.

MuE 407. **Seminar.** (G) Hours to be arranged.

Eight-week session.

MuE 501. **Research.** Hours to be arranged.

MuE 503. **Thesis.** Hours to be arranged.

MuE 505. **Reading and Conference.** Hours to be arranged.

MuE 507. **Seminar.** Hours to be arranged.

MuE 532. **Basic Concepts in the Teaching of Music.** 3 hours.

Eight-week session. Principles and issues in the teaching of music at all levels. Nye.

MuE 535. **Music in the Senior High School.** 3 hours.

Eight-week session. Whitfield.

MuE 591. **Advanced Pedagogy.** 3 hours.

Eight-week session. Piano (functional). Kean.

MuE 591. **Advanced Pedagogy.** 3 hours.

Eight-week session. Percussion. Shrader.

## Summer Institute of International Music Education

MuE 408. **Workshop: Introducing Children to Music.** (G) 2 hours.

Two weeks, June 19-30. Schoch.

## Philosophy

Visiting Faculty: HERBERT, STEPHENS.

Professor: JESSUP.

Associate Professor : EBERSOLE.

Assistant Professors : COOK, LEVI.

Phl 201. **Problems of Philosophy.** 3 hours.

Eight-week session. An introduction to philosophical problems through the study of philosophical classics.

Phl 221. **Elementary Logic.** 3 hours.

Eight-week session. An introduction to the study of reasoning. How to recognize, analyze, criticize, and construct the main types of argument and proof.

Phl 222. **Elementary Aesthetics.** 3 hours.

Eight-week session. An elementary study of aesthetic fact and value, and of the relation of aesthetic interest to other human interests, such as the moral, the intellectual, and the religious.

Phl 329. **Modern American Philosophy.** 3 hours.

Eight-week session. Intensive study of selected works of major American philosophers from the late nineteenth century to the present.

Phl 361. **Ethics.** 3 hours.

Eight-week session. Study of the most important traditional ethical theories; modern philosophical analysis of moral terms and statements.

Phl 407. **Seminar: Philosophy of Religion.** (G) 3 hours.

Eight-week session. A study of such traditional topics as the nature of faith, proofs for the existence of God, the nature of divine attributes, the problem of evil, and religious ethics.

Phl 435. **Existentialism.** (G) 3 hours.

Eight-week session. The basic ideas of the Christian and atheist divisions of the existentialist movement; reading of selected works of Kierkegaard, Jaspers, Heidegger, and Sartre; some attention to precursors and to the general modern philosophical situation which negatively has generated the existentialist "rebellion."

Phl 503. **Thesis.** Hours to be arranged.

Eight-week session.

Phl 505. **Reading and Conference.** Hours to be arranged.

Eight-week session.

Phl 507. **Seminar.** Hours to be arranged.

Eight-week session.

## Physics

Professor : RAYFIELD.

GS 106. **Physical Science Survey (Third Term).** 4 hours.

Eight-week session. General introduction to the physical sciences; principles of physics and chemistry, geologic processes, and man's relation to them. Emphasis on scientific method.

Ph 417. **Nuclear Physics.** (g) 3 hours.

Eight-week session. Atomic structure, elements of spectroscopy. Radioactivity, nuclear reactions, nuclear structure; selected topics in quantum physics. Designed for students preparing for secondary-school teaching.

Ph 501. **Research.** Hours to be arranged.

Eight-week and eleven-week sessions.



- Ph 503. **Thesis.** Hours to be arranged.  
Eight-week and eleven-week sessions.
- Ph 505. **Reading and Conference.** Hours to be arranged.  
Eight-week and eleven-week sessions.
- Ph 507. **Seminar: Foundations of Physics.** 4 hours.  
Eight-week session.
- Ph 507. **Seminar: Theoretical Physics.** Hours to be arranged.  
Eleven-week session.
- Ph 507. **Seminar: Nuclear Physics.** Hours to be arranged.  
Eleven-week session.
- Ph 507. **Seminar: Solid State Physics.** Hours to be arranged.  
Eleven-week session.

## Political Science

Professors: GANGE, PRESTHUS, SCHLEICHER, SELIGMAN.

Associate Professor: KLONOSKI.

Assistant Professors: ALLMAN, FISZMAN.

- PS 201. **American Governments.** 3 hours.  
Eleven-week session. An introduction to the study of forms of government, public policy, public opinion, and community politics in the United States. Klonoski.
- PS 206. **Introduction to Political Science.** 3 hours.  
Eleven-week session. What political science is about: its basic concerns, fields, and methods of study. J. Allman.
- PS 351. **Introduction to Public Administration.** 3 hours.  
Eight-week session. Examination of various approaches to and conceptions of public administration; application of various theories of administration to the study of public organizations; substantive problems of organizations; structure and internal administration; personnel and finance. Presthus.
- PS 410. **India in Modern Times.** (G) 4 hours.  
Eight-week session. The historical development of Indian civilization and the social, economic, and political institutions and problems of contemporary India. Schleicher.
- PS 414. **Political Parties and Public Opinion.** (G) 3 hours.  
Eight-week session. Analysis of the structure and functions of political parties and public opinion to provide an understanding of the broad area of politics in various contexts and of the critical role of politics in society; the interrelationship of generalization and political experience. Seligman.
- PS 427. **Government and Politics of the Soviet Union.** (G) 3 hours.  
Eight-week session. Governmental institutions and political processes in the Soviet Union. Fiszman.
- PS 407, 507. **Seminar: Contemporary Trends in World Politics.** 3 hours.  
Eight-week session. A survey of the underlying factors in world politics and their manifestations in the international system. Schleicher.
- PS 407, 507. **Seminar: Planning, Organization and Administration of Foreign Development Programs.** 3-6 hours.  
Eight-week session. The seminar will focus on theories and problems in the general field of development administration including case studies of countries

in Latin America, Africa and Asia which have made development plans and have initiated programs for accelerated development. Gange, Thurber and visiting staff.

## Psychology

Professors: FOSMIRE, SUNDBERG.

Associate Professors: LEWINSOHN, LICHTENSTEIN.

Assistant Professors: ADKINS, SCHAEFFER.

Psy 211, 215, 218. **General Psychology.** 3 hours each term.

Psy 211. *Learning and Thinking.* 3 hours.

First four weeks, June 19-July 14. Introduction to the principles underlying the acquisition, retention, and utilization of information and behavior.

Psy 215. *Social Psychology.* 3 hours.

Second four weeks, July 17-August 11. Introduction to the study of the individual's behavior in relation to his culture; the features of human nature which man shares with other animals and those features which are unique; special attention to social behavior of animals, to language and communication, and to man's attitudes toward social issues.

Psy 218. *Personality.* 3 hours.

Three weeks, August 14-September 1. General survey of principles in the development, structure, function, and alteration of adult character and personality.

Psy 213, 216, 219. **Psychology Laboratory.** 1 hour each term.

Introduction to research methods; designed to familiarize the student with scientific approaches to problems in psychology.

Psy 213. *Psychology Laboratory (First Term).* 1 hour.

First four weeks, June 19-July 14. Integrated with Psy 211.

Psy 216. *Psychology Laboratory (Second Term).* 1 hour.

Second four weeks, July 17-August 11. Integrated with Psy 215.

Psy 219. *Psychology Laboratory (Third Term).* 1 hour.

Three weeks, August 14-September 1. Integrated with Psy 218.

Psy 401. **Research.** Hours to be arranged.

Eight-week session.

Psy 403. **Thesis.** Hours to be arranged.

Eight-week session. Open only to Honors College students.

Psy 405. **Reading and Conference.** Hours to be arranged.

Eight-week session. Open only to Honors College students.

Psy 407. **Seminar: Thinking.** (g) 2 hours.

Eight-week session.

Psy 436. **Character and Personality.** (g) 3 hours.

Eight-week session. An intensive study of selected topics in personality theory and related research. Prerequisite: 9 hours in psychology or consent of instructor. Lewinsohn.

Psy 437. **Social Psychology.** (g) 3 hours.

Eight-week session. The relationship of the individual to his social environment, especially his participation in small groups; social perception and motivation as shown in the acquaintance process, power and dependence, roles in the group, and the part played by the group in attitude change. Materials and issues treated in terms of basic psychological concepts. Fosmire.

- Psy 450. **Abnormal Psychology.** (g) 3 hours.  
Eight-week session. Various forms of unusual behavior, including anxiety states, hysteria, hypnotic phenomena, and psychoses. Normal motives and adjustments considered in their exaggerations in the so-called neurotic person. Lichtenstein.
- Psy 451. **Physiological Psychology.** (g) 3 hours.  
Eight-week session. Study of relationships between nervous system functions and behavior. Emphasis on neuropsychological analysis of stimulus processing, motivation, learning. Adkins.
- Psy 460. **Developmental Psychology.** (g) 3 hours.  
Eight-week session. Study of the development of behavior and psychological activity through the prenatal period, infancy, childhood, and adolescence. Topics include development of language and cognition, socialization, emotional development, and the development of motor capabilities. Emphasis on social influences. Schaeffer.
- Psy 465. **Motivation.** (g) 3 hours.  
Eight-week session. Conceptions of motivation; human and animal research on instinct, arousal, motivational physiology, learned motives, conflict and stress, and organization of dispositions. Adkins.
- Psy 490. **Psychology of Learning.** (g) 3 hours.  
Eight-week session. Survey of fundamental concepts of conditioning, rote learning, discrimination, problem-solving, memory, and motor skill. Theory and experimental findings.
- Psy 501. **Research.** Hours to be arranged.  
Eight-week session.
- Psy 503. **Thesis.** Hours to be arranged.  
Eight-week session.
- Psy 505. **Reading and Conference.** Hours to be arranged.  
Eight-week session.
- Psy, Ed 507. **Seminar: Schools as Social Systems for Promoting Individuation.** 3 hours.  
Eight-week session. Identification of those characteristics of schools that interfere with, and characteristics that facilitate, individual development; analysis of school organization and function, from level of classroom to total institution, as social systems. Fosmire.
- Psy 508. **Clinical Work with Children.** 3 hours.  
Eight-week session. Work in the University Psychology Clinic. Enrollment limited. Prerequisite: Psy 530, 531; consent of instructor. Lewinsohn, Sundberg.
- Psy 509. **Practicum Experience.** Hours to be arranged.  
Eight-week session. Work in selected agencies providing diagnostic and counseling services. Enrollment limited. Prerequisite: consent of instructor. Lewinsohn, Sundberg.
- Psy 527. **The Counseling Process.** 3 hours.  
Eight-week session. General orientation to counseling; theories of counseling; settings and roles of counselors; interviewing and the counseling process; tests and assessment; ethics and values. Prerequisite: consent of instructor. Sundberg.

## Religious Studies

Associate Professor: STRATON.

Assistant Professor: REYNOLDS.

**R 302. Religions of Mankind.** 3 hours.

Eight-week session. Oriental Religions: Hindu-Buddhist, Confucian-Taoist, and Shinto traditions.

**R 407. Teaching About Religions in the Schools.** (g) 3 hours.

Eight-week session. Content same as preceding course. Public-school teachers desiring graduate credit should enroll in R 407. Both courses meet together. A research paper on one of the great religions will be required of R 407 enrollees, with alternative selection of topic from the Judaeo-Christian, or Islamic traditions, if desired.

## Sociology

Visiting Faculty: GIBBONS, OLSEN.

Professors: BERREMAN, BISNO.

Associate Professor: RODGERS.

Assistant Professor: ACKER (Acting).

**Soc 204, 205, 206. General Sociology.** 3 hours each term.

Introduction to basic sociological problems. A frame of reference, selected hypotheses, and empirical generalizations in connection with these problems: dominant characteristics of modern societies; the relation between the individual and the group. Berreman.

Soc 204. *General Sociology (First Term)*. 3 hours.

First four weeks, June 19-July 14.

Soc 205. *General Sociology (Second Term)*. 3 hours.

Second four weeks, July 17-August 11.

Soc 206. *General Sociology (Third Term)*. 3 hours.

Three weeks, August 14-September 1.

**Soc 301. American Society.** 3 hours.

Three weeks, August 14-September 1. An analysis of American society in terms of its significant structural traits and their functions; major changes in American society and selected contemporary problems examined in their relation to institutional structures. Prerequisite: Soc 204, 205 or Soc 300. Staff.

**Soc 305. Contemporary Social Problems.** 3 hours.

Eight-week session. Introduction to problems associated with the organization of social systems; deviant behavior and methods of social control. Prerequisite: Soc 204, 205, 206 or Soc 300. Acker.

**Soc 401. Research.** Hours to be arranged.

First four weeks; second four weeks; three weeks, August 14-September 1.

**Soc 403. Thesis for Honors Candidates.** Hours to be arranged.

Eight-week and eleven-week sessions.

**Soc 405. Reading and Conference.** Hours to be arranged.

First four weeks; second four weeks; three weeks, August 14-September 1.

**Soc 407. Seminar: Sociology of Illness and Health.** 2 hours.

Eight-week session. An analysis of the sociologically relevant aspects of health (mental and physical) and illness including such topics as health and illness in a comparative context; perceptions of health and illness; the "sick role"; rates of illness, and social factors in etiology, treatment and prevention. Acker.

**Soc 407. Seminar: Sociology of the Professions.** 2 hours.

Eight-week session. A comparative analysis of professions and the process of professionalization in terms of conceptual issues, structural attributes, functions and change. Bisno.

- Soc 438. **Social Psychology of the Family.** (G) 3 hours.  
Eight-week session. The dynamics of family interaction throughout the family life cycle. Prerequisite: 12 hours in sociology. Rodgers.
- Soc 441. **Criminology and Delinquency.** (g) 3 hours.  
Eight-week session. The nature and extent of delinquency and crime as forms of deviant social behavior; contributing factors. Prerequisite: Soc 204, 205, 206 or Soc 300. Gibbons.
- Soc 449. **Social Change.** (G) 3 hours.  
Eight-week session. Analysis of the processes, characteristics, and conditions of change in large social systems; systematic examination of various theoretical problems and formulations. Prerequisite: 9 hours in sociology. Bisno.
- Soc 465. **Political Sociology.** (G) 3 hours.  
Eight-week session. Sociological theories and concepts brought to bear on the analysis of various aspects of political theory and behavior; social bases of power and policy determination; institutional interrelationships; intellectuals and ideologies; political trends and change; political participation and membership. Prerequisite: 9 hours in sociology. Olsen.
- Soc 501. **Research.** Hours to be arranged.  
First four weeks; second four weeks; three weeks, August 14-September 1.
- Soc 503. **Thesis.** Hours to be arranged.  
First four weeks; second four weeks; three weeks, August 14-September 1.
- Soc 505. **Reading and Conference.** Hours to be arranged.  
First four weeks; second four weeks; three weeks, August 14-September 1.
- Soc 507. **Seminar: Contemporary Research on Family Sociology.** 2 hours.  
Eight-week session. A consideration of emerging conceptual frameworks in family sociology. Rodgers.
- Soc 507. **Seminar: Sociology of Deviant Behavior.** 2 hours.  
Eight-week session. Analysis of the sociological aspects of deviance. Contrasts the various theoretical perspectives relating to deviant behavior. Reviews empirical research on selected topics relating to deviance. Gibbons.
- Soc 507. **Seminar: Social Stratification.** 2 hours.  
Eight-week session. Examination of recent developments in the social stratification field. Olsen.

## Speech

Professors: ALY, ROBINSON, WOOD.

Associate Professors: DECHALNE, KRETSINGER, MONTGOMERY, NOBLES.

Assistant Professors: CARMICHAEL, CHRISTENSEN, FIBIGER, MERTZ, RYAN, SHERRIFFS.

Instructors: HERSHBERGER, WALDO.

## Rhetoric and Public Address

- Sp 121. **Fundamentals of Speech.** 3 hours.  
Eight-week session. Projects in extempore speaking. Emphasis on content and organization of speeches and adjustment to the speaking situation. Carmichael, Nobles, Montgomery.
- Sp 321. **Argumentation.** 3 hours.  
Eight-week session. Principles of effective argument, with special attention to reasoning, evidence, organization, and refutation. Nobles.

- Sp 407. **Seminar.** Hours to be arranged.  
Eight-week session.
- Sp 407. **Seminar: History of Speech Education.**  
Eight-week session, Montgomery.
- Sp 416. **Speech Composition.** 3 hours.  
Eight-week session. Speech forms, types, techniques; emphasis on application of basic rhetorical elements. Designed for prospective high school teachers and other nonmajors. Montgomery.
- Sp 422. **British Oratory.** (G) 3 hours.  
Eight-week session. British oratory from Pitt to modern times. Aly.
- Sp 501. **Research.** Hours to be arranged.  
Eight-week session.
- Sp 503. **Thesis.** Hours to be arranged.  
Eight-week session.
- Sp 505. **Reading and Conference.** Hours to be arranged.  
Eight-week session.
- Sp 507. **Seminar.** Hours to be arranged.  
Eight-week session.
- Sp 507. **Seminar: Introduction to Graduate Study.** 3 hours.  
Eight-week session.
- Sp 507. **Seminar: Communications Theory.** 3 hours.  
Eight-week session, Carmichael.
- Sp 507. **Seminar: History of Speech Education.** 3 hours.  
Eight-week session, Montgomery.
- Sp 507. **Seminar: Small Group Communication.** 3 hours.  
Eight-week session, Carmichael.
- Sp 507. **Seminar: Directing the Forensic Program.** 3 hours.  
Eight-week session, Nobles.
- Sp 507. **Seminar: Persuasion.** 3 hours.  
Eight-week session, Nobles.
- Sp 507. **Seminar: Theories of Language and Style.**  
Eight-week session, Carmichael.
- Sp 513. **Recent Rhetorical Criticism.** 3 hours.  
Eight-week session, Nobles.

## Radio and Television Broadcasting

- Sp 241. **Fundamentals of Broadcasting.** 2 hours.  
Eight-week session. General survey of broadcasting, including history, growth, social aspects, laws and policies, station and network organization, programming the advertiser, the listener, public interest, standards of criticism, comparison of broadcast systems, international broadcasting and propaganda. Sherriffs.
- Sp 445. **Radio-Television Production.** (G) 3 hours.  
Eight-week session. Problems and procedures in the synthesis of talent, material, sponsorship, etc. in broadcast production. Preparation and production of live broadcasts. Prerequisite: Sp 444, consent of instructor. Sherriffs.
- Sp 501. **Research.** Hours to be arranged.  
Eight-week session.

- Sp 503. **Thesis.** Hours to be arranged.  
Eight-week session.
- Sp 505. **Reading and Conference.** Hours to be arranged.  
Eight-week session.
- Sp 507. **Seminar.** Hours to be arranged.  
Eight-week session.
- Sp 508. **Workshop: Educational Television.** 4 hours.  
Section 1, June 12-23. Section 2, August 14-25. An intensive program of class and laboratory work for teachers and administrators in the arts and skills of production and performance in the use of television in education.
- Sp 541. **Theory and Criticism of Broadcasting.** 3 hours.  
Eight-week session. A comparative study of systems of broadcasting; the development of ethical, artistic, and critical standards in radio and television. Sherriffs.

## Speech Pathology and Audiology

- Sp 407. **Seminar.** Hours to be arranged.  
Eight-week session.
- Sp 407. **Seminar: Public School Speech Correction.** 3 hours.  
Eight-week session. Ryan.
- Sp 483. **Speech Pathology.** (G) 3 hours.  
Eight-week session. Specific techniques in the diagnosis and treatment of major speech problems. Prerequisite: Sp 370, 371. Ryan.
- Sp 484, 485, 486. **Clinical Speech Therapy.** (G) 2 hours.  
Eight-week session. Supervised clinical work with speech defective children and adults enrolled for testing, counseling and treatment in the Speech and Hearing Clinic. Students register under one course number throughout the eight-week session. (For admission write to: Director, Speech and Hearing Clinic, University of Oregon.)
- Sp 501. **Research.** Hours to be arranged.  
Eight-week session.
- Sp 503. **Thesis.** Hours to be arranged.  
Eight-week session.
- Sp 505. **Reading and Conference.** Hours to be arranged.  
Eight-week session.
- Sp 507. **Seminar.** Hours to be arranged.  
Eight-week session.
- Sp 507. **Seminar: Speech Language Development.** 3 hours.  
Eight-week session. Wood.
- Sp 507. **Seminar: Auditory Disorders.** 3 hours.  
Eight-week session. Christensen.
- Sp 507. **Seminar: Advanced Speech Science.** 3 hours.  
Eight-week session. Wood.
- Sp 507. **Seminar: Public School Speech Correction.** 3 hours.  
Eight-week session. Ryan.
- Sp 507. **Seminar: Teaching of Lip Reading.**  
Eight-week session. Christensen.

## Theater

- Sp 251. **Elements of Acting.** 3 hours.  
Eight-week session. Elementary principles of acting technique.
- Sp 264, 265, 266. **Production Workshop.** 2-3 hours.  
Eight-week session. Practical experience in the construction, painting, and handling of scenery and in the lighting of plays. Students register for one course number throughout the eight-week session.
- Sp 311. **Advanced Interpretation.** 3 hours.  
Eight-week session. Instruction in the discovery and oral expression of meaning and feeling in prose, poetry, and dramatic literature. DeChaine.
- Sp 315. **Costume Workshop.** 3 hours.  
Eight-week session. Instruction in the art and craft of stage costuming; practical experience in the design, construction, and maintenance of theatrical costumes. Fibiger.
- Sp 407. **Seminar.** Hours to be arranged.  
Eight-week session.
- Sp 407. **Seminar: Advanced Acting.** 3 hours.  
Eight-week session. Advanced problems in acting technique: study, rehearsal, and performance.
- Sp 407. **Seminar: Direction of Children's Theater.** 3 hours.  
Eight-week session. History and objectives of theater for the child audience; survey of existing professional and community children's theater programs; techniques of acting, directing, and producing plays for and by children. Fibiger.
- Sp 407. **Seminar: Advanced Technical Practice.** 3 hours.  
Eight-week session.
- Sp 407. **Seminar: Directing.** 3 hours.  
Eight-week session. Robinson.
- Sp 465. **History of Theater.** (G) 3 hours.  
Eight-week session. An historical study of the theater from the Renaissance to German Romanticism. DeChaine.
- Sp 501. **Research.** Hours to be arranged.  
Eight-week session.
- Sp 503. **Thesis.** Hours to be arranged.  
Eight-week session.
- Sp 505. **Reading and Conference.** Hours to be arranged.  
Eight-week session.
- Sp 507. **Seminar.** Hours to be arranged.  
Eight-week session.
- Sp 507. **Seminar: Advanced Acting.** 3 hours.  
Eight-week session. (See Sp 407, *Seminar: Advanced Acting.*)
- Sp 507. **Seminar: Direction of Children's Theater.** 3 hours.  
Eight-week session. (See Sp 407, *Seminar: Direction of Children's Theater.*)
- Sp 507. **Seminar: Advanced Technical Practice.** 3 hours.  
Eight-week session.
- Sp 507. **Seminar: Directing.** 3 hours.  
Eight-week session. Robinson.
- Sp 551. **Theory of Dramatic Production.** 3 hours.  
Eight-week session. Robinson.



## Summer Academy of Contemporary Arts

The Summer Academy of Contemporary Arts, now in its ninth year at the University, brings to the campus a unique offering in the area of contemporary art. Beginning June 19, the Academy offers an opportunity for students to study with and observe the work of creative artists of exceptional professional stature. During each two-week session, the artist-in-residence will share his current interests with students and visitors in a public lecture or performance.

The dates of terminal performances, which are open to the public, will be announced.

PE 440. **Contemporary Dance.** (G) 1-2 hours.

Art 440. **Contemporary Art.** (G) 1 hour.

Eng 439. **Contemporary Literature.** (G) 1-2 hours.

Sp 440. **Contemporary Drama.** (G) 1-2 hours.

## Vacation College

Vacation College, inaugurated in the summer of 1964 as the first college of its kind in the United States, will be offered August 13-20, 1967. The theme of this session is "Understanding Contemporary America." Two programs are offered: one stresses politics today, the other is concerned with problems of urbanization.

Designed for adults, Vacation College has no entrance requirements, no examinations, and offers no college credit. Classes are held during the week from 9:00 a.m. until noon. The afternoons are free for reading, browsing, a class in techniques of relaxation, or recreational activities. Special entertainment is offered every evening.

Participants are expected to attend the morning classes and to eat lunches and dinners in the dormitory, whether they live in the Vacation College dormitory or off campus.

The faculty is composed of Grace Graham, director, professor of education; James R. Klonoski, associate professor of political science, a recent staff member of Brookings Institution and a Congressional fellow; John MacGregor, assistant professor of sociology and a specialist in social psychology; and Jeffrey Miller, director of recreational activities. In addition to this faculty, every day a professor from a different academic discipline will lecture on his specialty and join Vacation College students in lunch and dinner conversations. These specialists are Steven E. Deutsch, sociologist; David J. Finlay, political scientist; David G. Foster, artist; John L. Hulteng, dean of the School of Journalism; Thomas Koplín, economist; Carlisle Moore, professor of English; Robert I. Peterson, historian; Robert Vance Presthus, political scientist; Alfred G. Smith, anthropologist; Everett G. Smith, Jr., geographer; and Robert C. Ziller, social psychologist.

A fee of \$125.00 covers all expenses, including board and room, tuition, health service, and tickets to plays, movies, and other entertainment. Linen and towels will be furnished. For students who do not room and eat breakfast in the dormitory the fee is \$86.00. Sons and daughters of high-school age may register and participate for the same fees.

For further information, write Director, Vacation College, University of Oregon, Eugene, Oregon 97403.

## Oregon State System of Higher Education

The Oregon State System of Higher Education was organized in 1932 by the State Board of Higher Education following a survey of higher education in Oregon by the U.S. Office of Education. Member institutions are elements of an articulated system, parts of an integrated whole. The educational program is so organized as to distribute as widely as possible throughout the state the opportunities for general education and to center on a particular campus specialized, technical, and professional curricula closely related to one another.

The institutions of the State System of Higher Education are the University of Oregon at Eugene, Oregon State University at Corvallis, Portland State College at Portland, Oregon College of Education at Monmouth, Southern Oregon College at Ashland, Eastern Oregon College at La Grande, and Oregon Technical Institute at Klamath Falls. The University of Oregon Medical School and the University of Oregon Dental School are located in Portland. The Division of Continuing Education, representing all the institutions, has offices in Ashland, Corvallis, Eugene, La Grande, Monmouth, Portland, and Salem.

At Oregon College of Education, Southern Oregon College, and Eastern Oregon College, students may complete major work in teacher education or general studies or enroll in a preprofessional program. Southern Oregon College also offers a major program in business.

Portland State College offers major work in general studies, liberal arts, and selected professional fields, as well as certain preprofessional programs.

At the University of Oregon and Oregon State University, major curricula, both liberal and professional, are grouped on either campus in accordance with the distinctive functions of the respective institutions in the unified State System of Higher Education.

Oregon Technical Institute offers technological curricula leading to associate degrees in technical and semiprofessional areas.

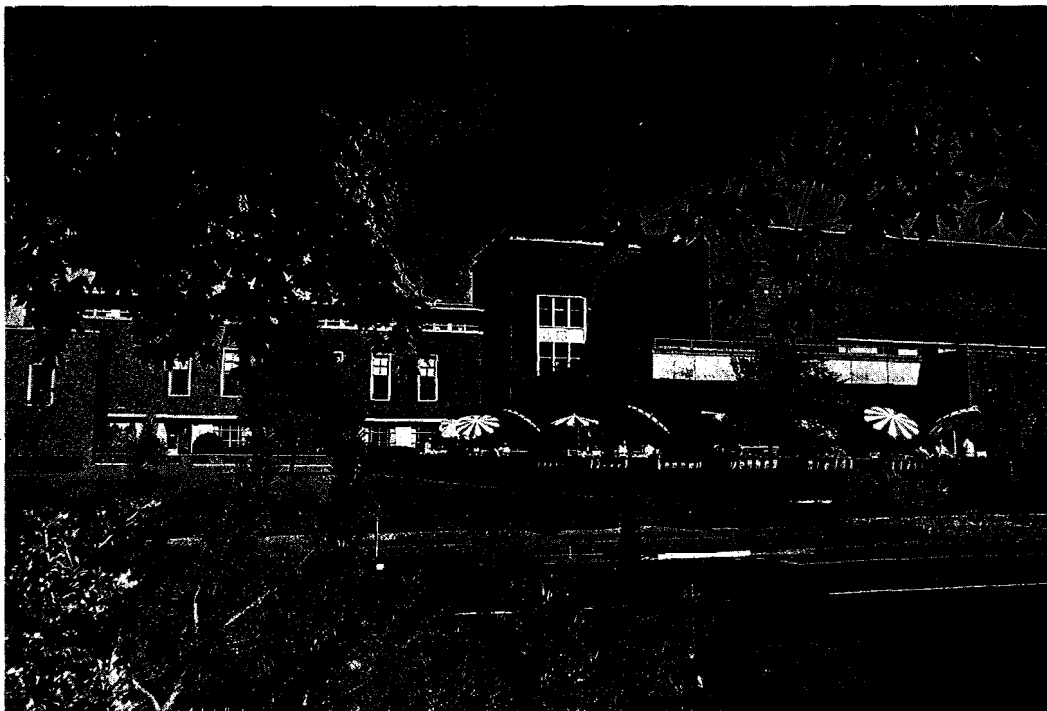
An interinstitutional booklet, *Your Education*, which outlines the curricula of the several institutions and contains other information, is available. For a copy, write to Division of Publications, Board of Higher Education, P.O. Box 5175, Eugene, Oregon 97403.

# The Campus in Summer



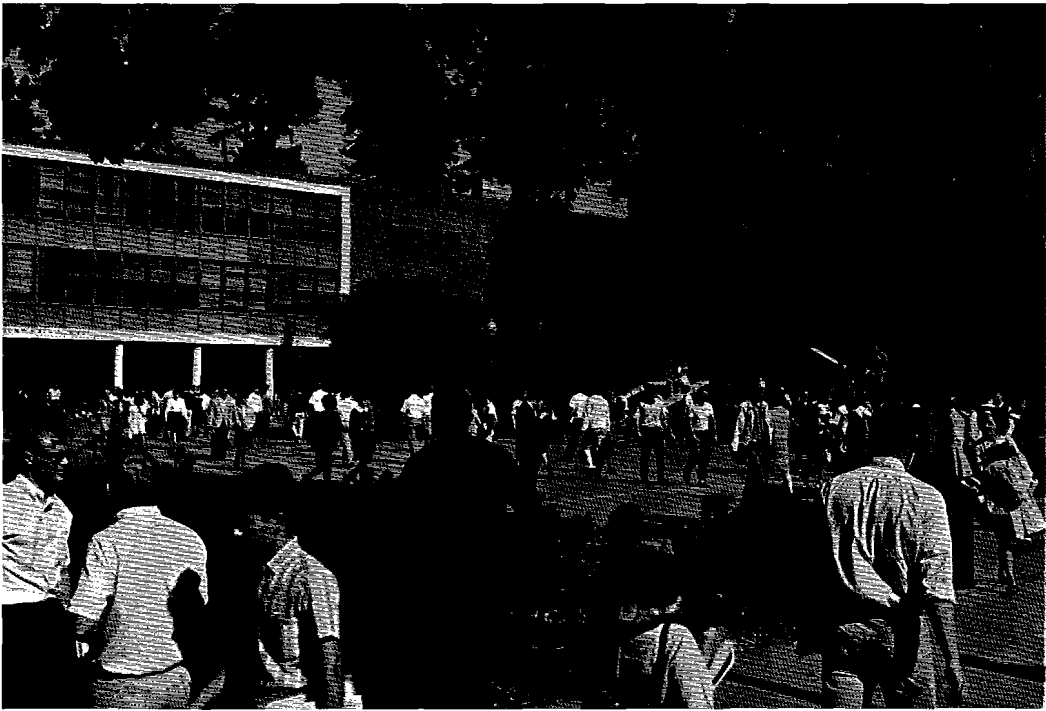
*The campus in  
summer—the most  
beautiful season.*





*The Student Union is the center of student activity during the summer, whether just for relaxing in the fishbowl between classes, or enjoying the cultural and recreational facilities available in the building. Art exhibits will be displayed in the Student Union throughout the summer.*





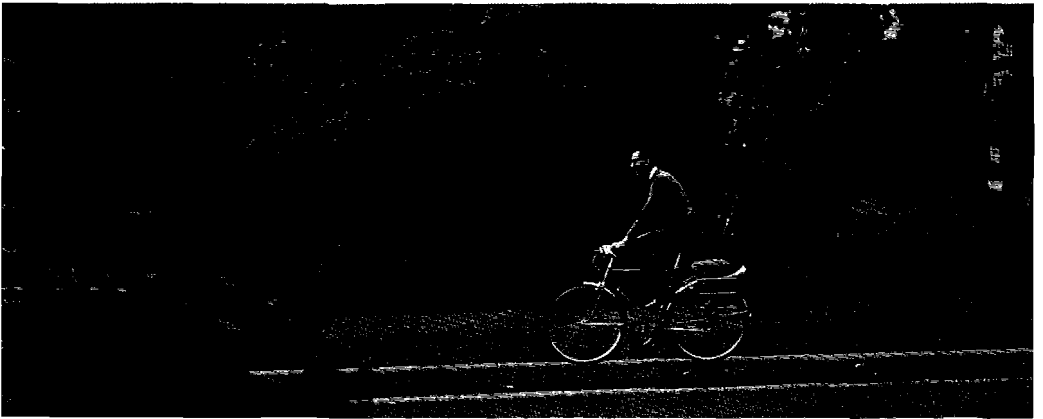
*The School of  
Business  
Administration  
and the Departments  
of Economics and  
Political Science  
are housed in  
Commonwealth Hall.*



*The School of  
Education Building.*



*Eric Allen Hall  
is the home of the  
School of Journalism.*



## Recreational and Cultural Activities



*While studies will be foremost on your program this summer, interesting cultural and recreational activities are available for your enjoyment both on-campus and in the Eugene area. It is a 15-minute drive from Eugene to this spot on the lower McKenzie River.*



**STUDENT UNION:** During the summer, as throughout the school year, the Erb Memorial Student Union is the center of extracurricular activity. The Student Union sponsors feature movies, folk dancing, a bowling league, bridge and chess sessions, tennis, billiards, and other games tournaments for the enjoyment of summer session students. The recreation area in the basement of the Student Union provides bowling, billiards, shuffleboard, and table tennis. Gymnasium facilities, tennis courts, and swimming pools are available for summer students except when they are being used for classes.

**LECTURES AND CONCERTS.** Throughout the summer special lectures and concerts are scheduled as the availability of prominent people becomes known.

**LUNCHEON DISCUSSIONS.** Once a week during the summer, the Student Union sponsors a luncheon discussion on a topic of general interest to students. The guest speaker and topic are announced each week.

**SUMMER SESSION TOURS:** A number of tours to many of Oregon's scenic areas have been planned throughout the summer.

**THE OREGON COAST.** The planned tours include a one-day trip along a portion of the coast, with tentative stops at the picturesque fishing harbor of Depoe Bay, the Sea Lion Caves, and the fascinating sand dunes near Florence. This trip is a favorite of camera enthusiasts, since it covers some of the most scenic coastline in the United States.

**THE ROGUE RIVER.** This week-end tour leaves Eugene on a Saturday, following the rugged southern coast to the mouth of the Rogue River at Gold Beach. Tour members stay in Gold Beach Saturday night and on Sunday take the famous "mail boat" trip thirty miles up the Rogue River. The specially designed boats are piloted up the shallow white-water riffles by experienced pilots. Tour members have a mid-day dinner at the community of Agness, and return down river in the afternoon to Gold Beach.

**SHAKESPEAREAN FESTIVAL.** Two special trips are planned for summer students this year to the Shake-

pearean Festival at Ashland, Oregon. Tour members will have an opportunity to see two different Shakespearean plays performed on an Elizabethan stage. Each tour group will leave Eugene Saturday, see the play that evening, and return to the campus Sunday morning.

**CRATER LAKE.** This tour will leave Eugene early Sunday morning, cross the scenic Cascade Mountains through Willamette Pass, and arrive at Crater Lake in time to have lunch there. A drive around the rim, stopping at viewpoints along the way, will provide tour members with a memorable afternoon of viewing Crater Lake's serene beauty. A park ranger will explain the geological history of the area and the forces that created Crater Lake.

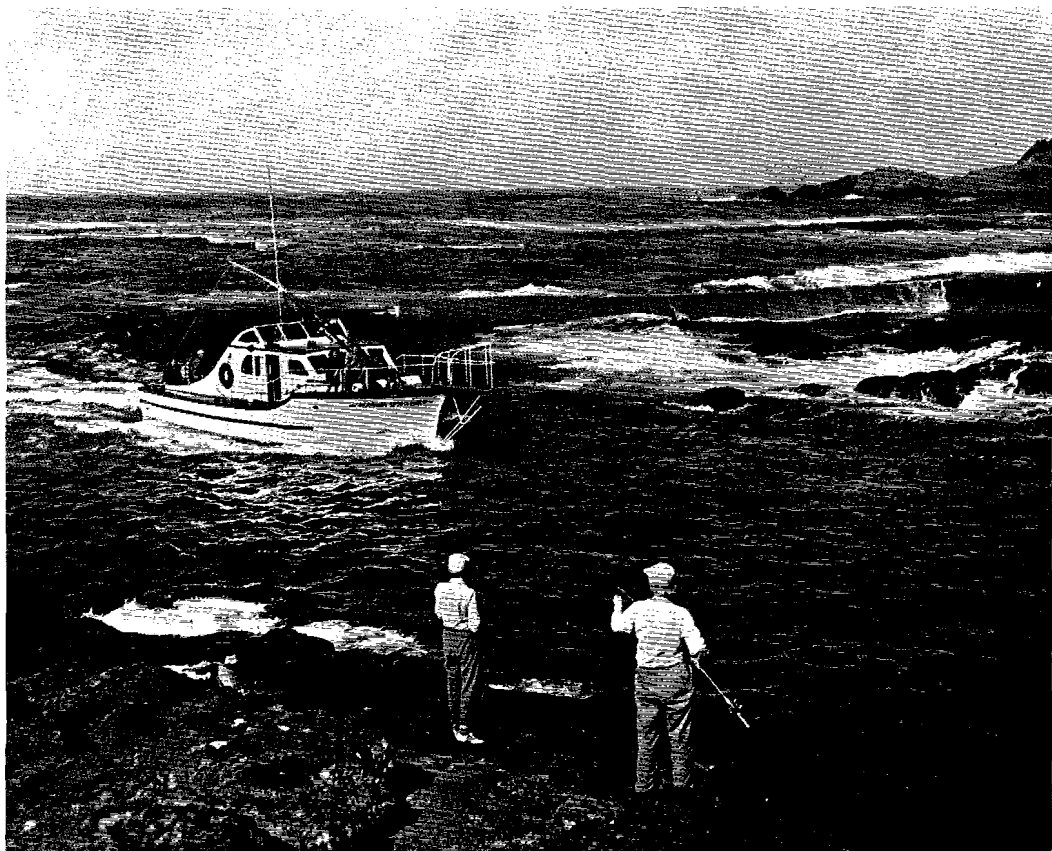
**DEEP SEA FISHING.** Small-group deep sea fishing charter trips may be scheduled on request throughout the summer.

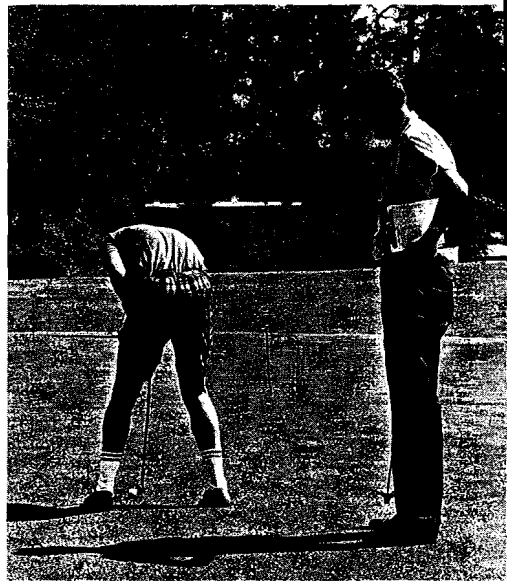
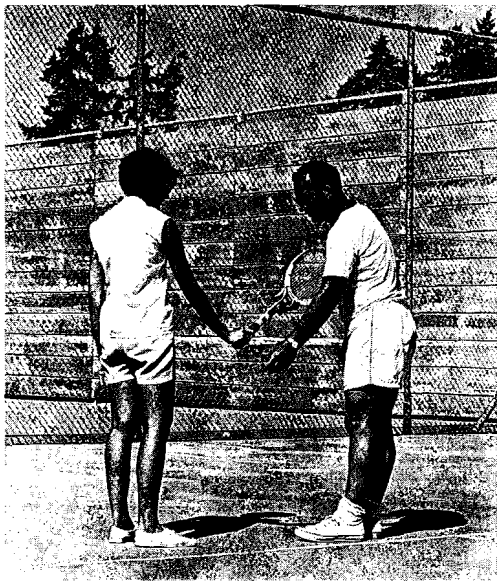
**HIKING TRIPS.** Groups may be formed on request to take week-end hiking trips with experienced guides into the nearby Cascade Mountains. Bedding and camping gear must be furnished by individual members of the group.



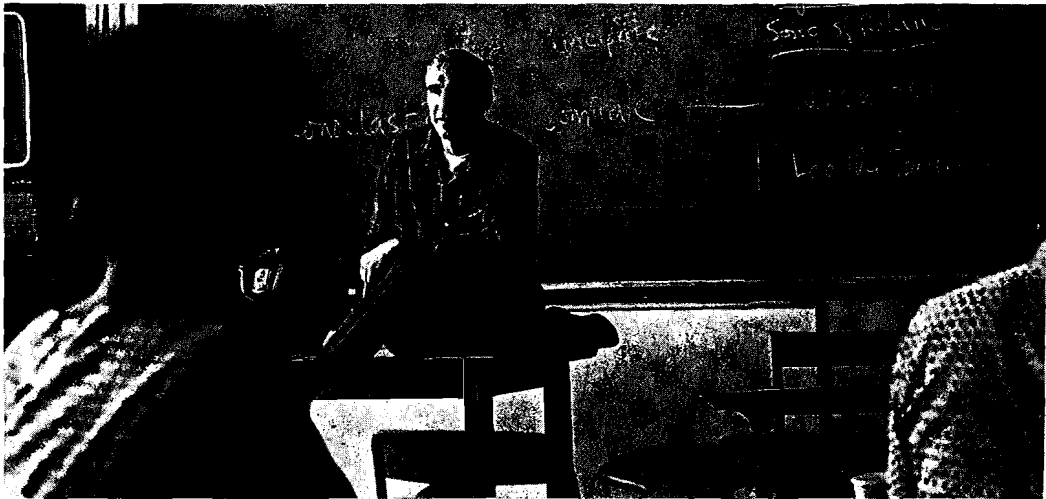
*A student checks through the Summer Session Time Schedule of Classes while relaxing in the Student Union courtyard.*

*Coming in after a day's deep sea fishing at Depoe Bay—the coast is about an hour's drive from Eugene.*

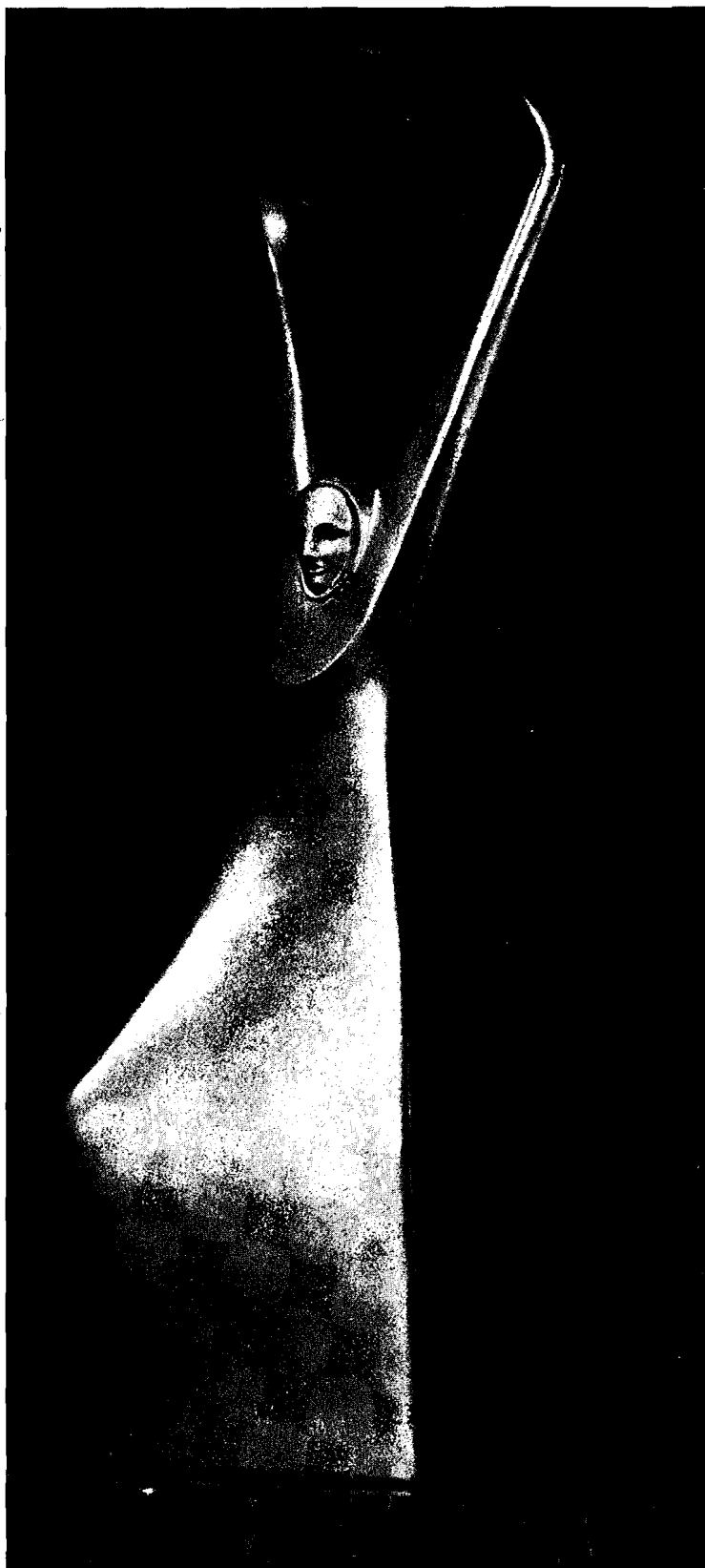




*Summer—ideal time to learn a new activity or sharpen up your game in a University tennis or golf class.*



*The classroom—heart of the University. More than 300 of the University's own faculty and about 150 visiting faculty members teach during the summer.*



*Sculpture in steel—  
on the mezzanine  
in the Student Union.*

**OFF-CAMPUS ACTIVITIES:** Eugene and the surrounding area offers summer session students a number of recreational activities. Several golf courses, swimming pools, boating areas, and city parks are available for leisure time activity. Water sports are especially popular in the Eugene area, with sailing, water skiing, and canoeing on the nearby lakes, reservoirs, and rivers offering a wide variety of water recreation possibilities.

**CHORUS, ORCHESTRA, AND BAND.** A summer chorus, orchestra, and band will be organized. Membership in these organizations will be open to all summer students, whether or not they are enrolled in music courses. Students who play orchestral or band instruments are urged to bring their instruments and take part. Concerts will be given by these groups during the latter part of the session. The purpose of these organizations is cultural enjoyment, professional training, and recreation.

**HIGH-SCHOOL MUSIC SUMMER SESSIONS.** Two special music summer sessions for high-school students will be held on the campus. The first session, June 19-30 will be for band students. The second, July 3-14, will be for orchestra students. Observation of the classes and rehearsals of these high-school groups will be interesting and valuable to high-school music teachers.

**CARNIVAL THEATER:** Carnival Theater is a summer repertory company operating as an independent organization. The summer of 1967 will be its sixth season.

Carnival Theater offers a nine-week season of concentrated theater activity with all types of participation: acting, directing, scenic design, theater management, costuming, scene building, painting, and lighting under an experienced professional staff in a well-equipped plant. Some course work for credit is offered in connection with the various Carnival Theater activities.

Performances are presented almost nightly, with a new play opening each week—rehearsal and preparation each afternoon. The repertoire of comedy, drama, and musical productions supplies diverse entertainment at special reduced rates for summer session students.

Approximately 50 persons make up the company, including guest stars, professional directors and technicians, salaried actors, singers, dancers, technicians, and business personnel.

The theater, which seats about 400 persons, is located outdoors in a natural amphitheater directly adjacent to the University Theater (Villard Hall) on campus.



*A student musician—a moment of concentration.*

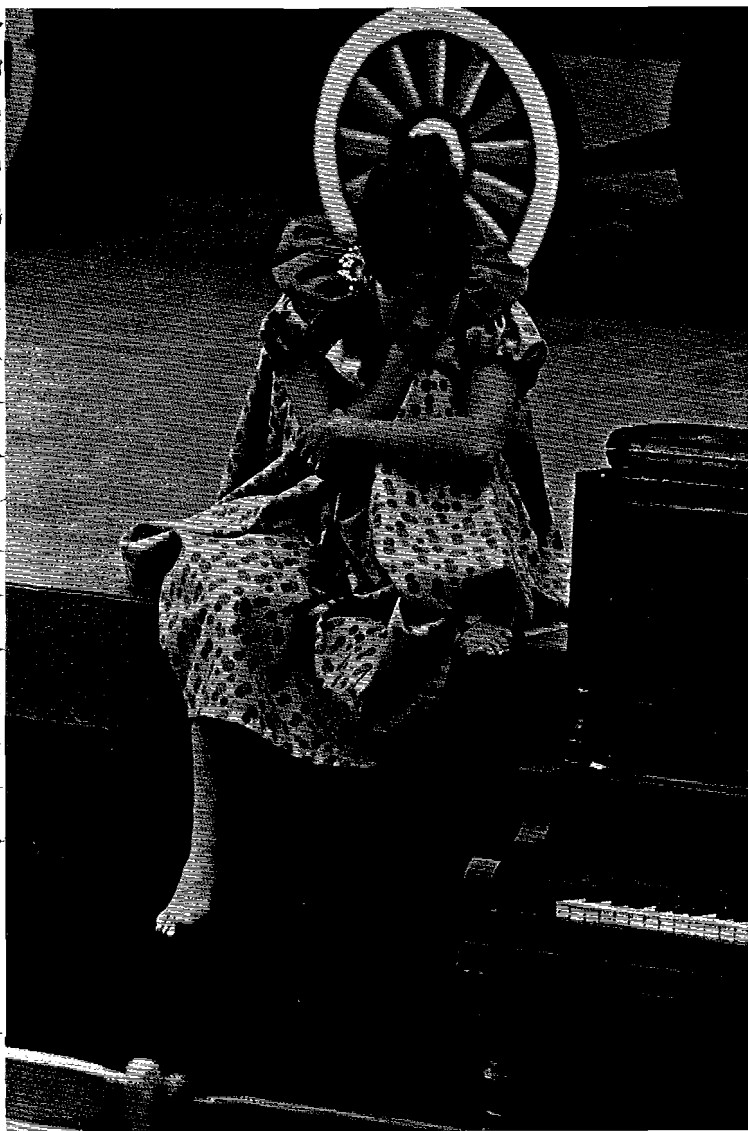
**SUMMER ADVISING FOR REGULAR UNIVERSITY OF OREGON STUDENTS:** All students attending the Summer Session, who plan to continue their program at the University fall term, should be aware that they may secure early advising for the 1967-68 academic year through the Office of Academic Advising.

Although this service is intended primarily for students who will first enter the University on a regular student status in the fall, even returning students may find it worthwhile to take advantage of the early summer advising opportunity.

All arrangements for early summer advising must be made through the Office of Academic Advising, 140 Hendricks Hall, between July 5th and Aug. 31.



*Discussion between a professor and students in the School of Architecture and Allied Arts courtyard.*

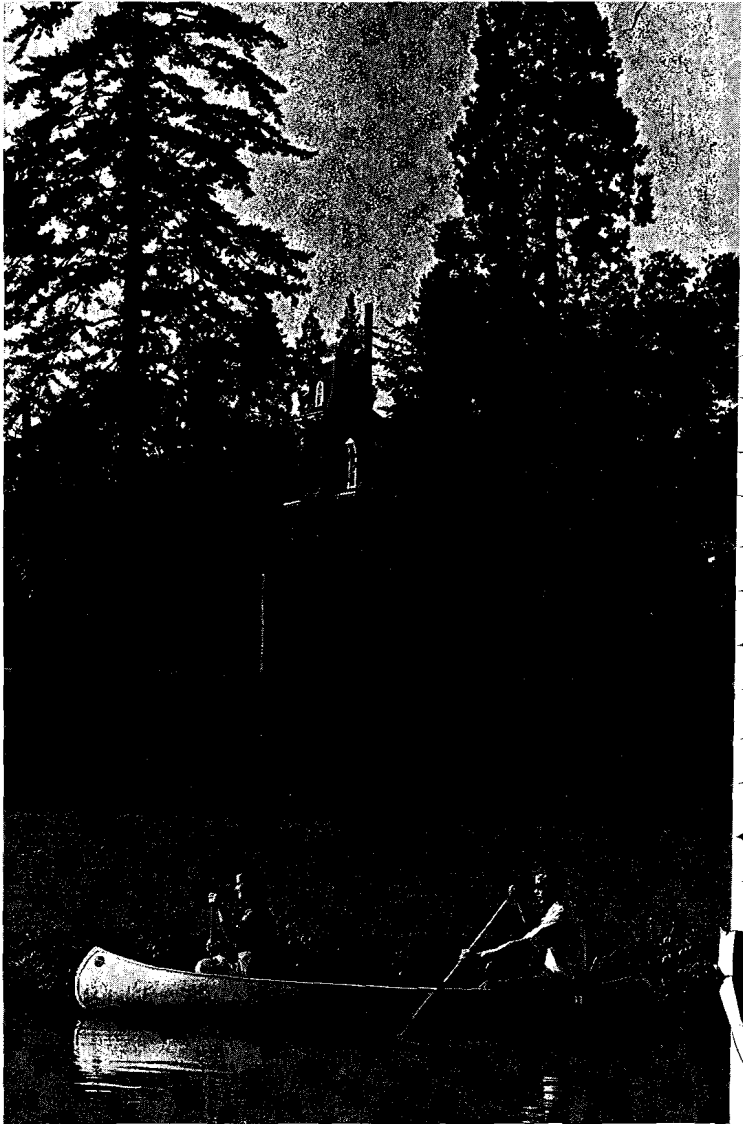


*An actress is momentarily alone with her thoughts during a Carnival Theatre dress rehearsal.*

*Graduation—last year  
735 students received  
degrees during  
summer commence-  
ment exercises.*



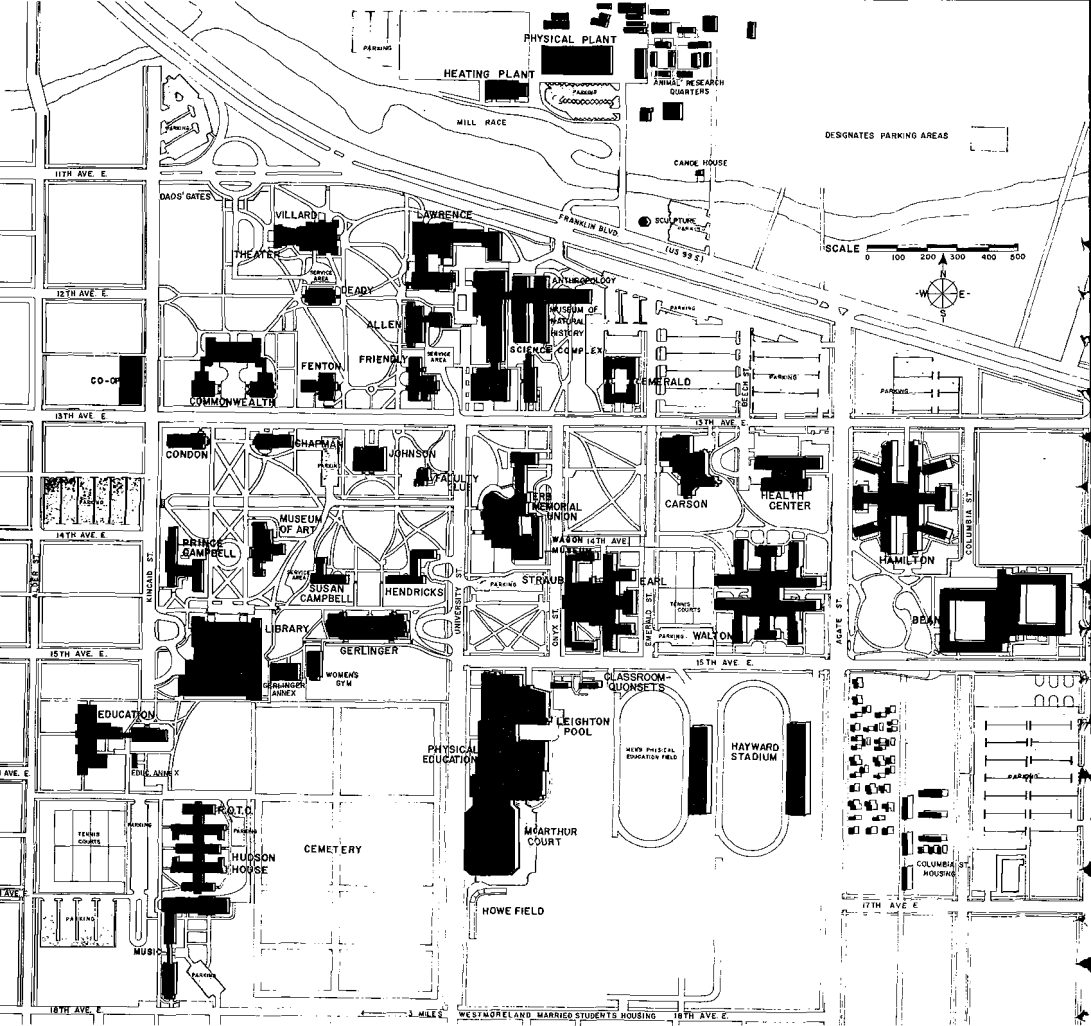
*Canoeing on the  
millrace—Deady Hall  
is in the background.*



*Aerial view of the University campus. (See reverse side for a campus map and directory.)*







## Campus map and directory

Academic Advising .....	140	Hendricks	323	Chapman
Admissions .....	201	Emerald	101	Johnson
Alumni Office .....	Susan Campbell	Journalism .....	201	Allen
Anthropology .....	110	Lawrence	219	Fenton
Architecture and Allied Arts .....	102	McArthur Court	114	Friendly
Athletics .....	McArthur Court	Mathematics .....	108	Deady
Biology .....	361	Science	105	Cherney
Business Administration .....	262	Commonwealth	101	Friendly
Business Office .....	Emerald, 1st Floor	Municipal Research .....	301	Commonwealth
Chemistry .....	121	Science	102	Music
Continuing Education .....	Ed. Annex	Nursing .....	311	Susan Campbell
Co-op Store .....	13th and Kincaid	Philosophy .....	212	Chapman
Counseling Center .....	150	Science	160	Science
Dean of Men .....	207	Political Science .....	307	Commonwealth
Dean of Women .....	208	Postoffice .....	103	Erb Union
Director of Dormitories .....	Emerald	President .....	110	Johnson
Economics .....	209	Psychology .....	302	Condon
Education .....	102	Publications .....	170	Susan Campbell
English .....	118	Registrar .....	Emerald, 1st Floor	Emerald, 1st Floor
Geography .....	107	Religion .....	105	Friendly
Geology .....	144	Sociology .....	154	Prince Campbell
Graduate Placement .....	246	Speech .....	216	Villard
Health, P.E. & Recreation .....	128	Student Affairs .....	207	Emerald
Health Center .....	13th and Agate	Summer Session .....	116	Education
History .....	175	University Relations .....	110	Johnson