

1968
SUMMER
SESSION



UNIVERSITY
OF OREGON
EUGENE, OREGON

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OF OREGON
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1968 CATALOG

EUGENE, OREGON

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Calendar, 1968 Summer Session

June 10, <i>Monday</i>	Pre-session workshops begin
June 17, <i>Monday</i>	Registration
June 18, <i>Tuesday</i>	Classes begin
June 21, <i>Friday</i>	Last day to pay registration fees for summer-term courses (8 or 11 weeks) without penalty
July 4, <i>Thursday</i>	Independence Day, holiday
July 12, <i>Friday</i>	Last day to file degree application for Summer Graduation Convocation
July 15, <i>Monday</i>	Last day for doctoral final oral examinations to be scheduled in the Graduate School Office, and to submit copies of the dissertation to committee members
July 22, <i>Monday</i>	Last day for master's oral examinations to be scheduled in the Graduate School Office, and to submit copies of the thesis to committee members
August 2, <i>Friday</i>	Last day for master's and doctor's final oral examinations
August 8-9, <i>Thursday-Friday</i>	Final examinations for eight-week courses
August 10, <i>Saturday</i>	Summer Graduation Convocation
August 29-30, <i>Thursday-Friday</i>	Final examinations for eleven-week courses
August 30, <i>Friday</i>	Summer Session ends

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- RONALD V. SAVAGE, M.A., Instructor in Romance Languages.
- OSCAR SCHAAF, Ph.D., Adjunct Associate Professor of Education.
- RICHARD G. SCHLAADT, Ed.D., Assistant Professor of Health Education.
- CHARLES P. SCHLEICHER, Ph.D., Professor of Political Science.
- CLARENCE W. SCHMINKE, Ph.D., Associate Professor of Education; Assistant Director of Teacher Education.
- GARY H. SEARL, M.S., Assistant Professor, Lane Community College; Visiting Assistant Professor of Geography.
- FREDERICK J. SEUBERT, Ph.D., Associate Professor of Accounting.
- GUY SHELLNBARGER, M.A., Supervisor of Student Teaching with the Rank of Professor.
- GEORGE SHEPERD, Ed.D., Assistant Professor of Education.
- PETER R. SHERMAN, M.S., Senior Instructor in Mathematics.
- RONALD E. SHERRIFFS, Ph.D., Assistant Professor of Speech.
- IRMA SHERWOOD, Ph.D., Assistant Professor of English.
- W. PHILLIPS SHIVELY, B.A., Acting Assistant Professor of Political Science.
- WILLIAM SHRODE, M.B.A., Instructor in Personnel and Industrial Management.
- STEVEN C. SHUCARD, Ph.D., Assistant Professor of Classic Languages.
- PETER O. SIGERSETH, D.Ed., Ph.D., Professor of Physical Education.
- PAUL B. SIMPSON, Ph.D., Professor of Economics.
- CLARENCE SLOAT, Ph.D., Assistant Professor of English.
- BRYAN C. SMITH, M.S., Instructor in Health Education.
- RICHARD J., SMITH, M.Ed., Instructor in Physical Education; Gymnastics Coach.
- RICHARD K. SMITH, M.B.A., Instructor in Business Law.
- ROBERT E. SMITH, Ph.D., Associate Professor of Economics.
- ROBERT W. SMITH, Ph.D., Professor of History.
- WARREN E. SMITH, Ed.D., Associate Professor of Health Education.
- LLOYD R. SORENSON, Ph.D., Professor of History.
- SHIRLEY SPARLING, Ph.D., Assistant Professor of Biology, California Polytechnic College, San Luis Obispo, California; Visiting Assistant Professor of Biology.
- VERNON S. SPRAGUE, Ph.D., Professor of Physical Education; Special Administration Assistant to the Dean.
- LLOYD W. STAPLES, Ph.D., Professor of Geology; Head of Department.
- G. EDWARD STEPHAN, B.A., Instructor in Sociology.
- NONDA P. STONE, M.Ed., Instructor in Education.
- W. C. STRANGE, Ph.D., Associate Professor of English.

- NORMAN D. SUNDBERG, Ph.D., Professor of Psychology; Dean of School of Community Service and Public Affairs.
- JOHN E. SUTTLE, Ed.D., Associate Professor of Education.
- KESTER SVENDSEN, Ph.D., Professor of English; Head of Department.
- PAUL SWADENER, M.B.A., Instructor in Insurance.
- JAMES N. TATTERSALL, Ph.D., Associate Professor of Economics.
- DALE M. TAYLOR, M.Arch., Assistant Professor of Architecture.
- DONALD TAYLOR, Ph.D., Associate Professor of English, University of Washington; Visiting Professor of English.
- DIRK P. TEN BRINKE, Ph.D., Adjunct Assistant Professor of Education.
- WILLARD THORP, Ph.D., Professor of English, Princeton University; Visiting Professor of English.
- PETER THORPE, Ph.D., Assistant Professor of English.
- DONALD E. TOPE, Ph.D., Professor of Education.
- MONTE E. TUBB, Ph.D., Assistant Professor of Music (Education).
- MIRIAM L. TUCK, Ed.D., P.H.N., Professor of Health Education.
- PAUL TUCKER, M.Ed., Instructor in Education.
- JORDAN UTSEY, Ed.D., Associate Professor of Education.
- ROBERT S. VAGNER, M.A., M.Mus., Professor of Music; Director of Bands.
- JAMES M. VAN BUSKIRK, Ph.D., Assistant Professor of Mathematics.
- KERMIT VANDERBILT, Ph.D., Associate Professor of English, San Diego State College; Visiting Associate Professor of English.
- WENDELL L. VAN LOAN, D.Ed., Professor of Education.
- DONALD P. VAN ROSSEN, M.Ed., Assistant Professor of Physical Education; Swimming Coach.
- R. MAX WALES, M.A., Professor of Journalism.
- DWIGHT T. WALLACE, Ph.D., Assistant Professor of Anthropology.
- CARL J. WALLEN, Ed.D., Associate Professor of Education.
- RONALD C. WALLER, Ph.D., Associate Professor of Education.
- PAUL R. WASHKE, Ph.D., Professor of Physical Education.
- GRANT WATKINSON, M.B.A., Instructor in Finance.
- RUTH P. WAUGH, M.S., Senior Instructor in Education.
- CARL C. WEBB, M.A., Associate Professor of Journalism.
- CHRISTOF WEGELIN, Ph.D., Professor of English.
- PETER M. WEIL, Ph.D., Instructor in Anthropology.
- JOE WHEELER, D.Ed., Colorado State College; Visiting Assistant Professor of Music.
- VIRGINIA J. WHITFIELD, Ed.D., Associate Professor of Music (Education).
- JACK WILKINSON, Professor of Art; Head of Department of Fine and Applied Arts.
- RUTH WILLARD, Ed.D., Associate Professor of Education.
- MILDRED WILLIAMS, Ed.D., Adjunct Associate Professor of Education.
- ARMIN WISHARD, M.A., Instructor in Germanic Languages.
- HERBERT P. WISNER, M.S., Instructor in Biology.
- HUGH B. WOOD, Ed.D., Professor of Education.
- EDNA P. WOOTEN, Ph.D., Associate Professor of Physical Education.
- PHILIP D. YOUNG, Ph.D., Assistant Professor of Anthropology.
- M. GEORGE ZANINOVICH, Ph.D., Assistant Professor of Political Science.

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 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 fall term admission on the basis of his high-school record or College Entrance Examination Board test score, has the opportunity to qualify for admission by doing acceptable work during summer session. Both resident and nonresident students seeking to qualify for fall term admission may choose between registering in a 9-term-hour structured program or 12-term-hour unstructured program of elective course work. The 9-term-hour structured program must include 3 units of writing and any 6-unit combination of humanities, social science, or science. In either the structured or unstructured program, resident students are required to earn a 2.00 ("C") grade-point average to qualify for fall-term admission; nonresident students must earn a 2.25 grade-point average to qualify for fall-term admission.

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 16, 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, including admission to the regular session and degree requirements as well as all of the courses offered in schools and departments of the University.

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 who so desires will be advised by a member of the teaching faculty, and all new students are required to confer with an adviser before completing the registration process. The objectives of the advising program are to help each student make the most of his educational opportunities and, specifically, to help him plan an academic program and to interpret the University's academic requirements and regulations. A Directory of Advisers, which lists faculty advisers by field, can be found in the summer session Time Schedule of Classes. Students who have selected a major field should consult with one of the appropriate advisers in that Directory. Other students should report to the Office of Academic Advising, Room 140, Hendricks Hall, for advising. New students must obtain the adviser's signature on the registration card.

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.

Under new faculty legislation, students have the option of electing certain of their courses on an ungraded basis (P or N). Only 36 hours of such ungraded courses may be applied to a baccalaureate degree, and each department, school, or special curriculum has its own regulations on ungraded courses. Before exercising this option, students should confer with their advisers.

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 students courts. Minor offenses are handled by five minor courts, while major offenses come before the student-faculty court.

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 receive assistance from the student defender, a law student who works through the Office of Student Affairs, 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. An associate dean of students administers the program and counsels with each student referred through him to the student courts.

It is the responsibility of each student to be familiar with the Student Conduct Code, and its administration. The Student Handbook contains 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 student who plans to use his summer session work toward a graduate degree at the University of Oregon should apply for admission to the Graduate School. He must be accepted by the school or department in which he plans to study, as well as meet minimum University requirements (see below).

A student who wishes to change his graduate major must be formally accepted by the school or department in which he intends to work for a degree.

These regulations apply to all prospective graduate students seeking advanced degrees, whether they are graduates of the University of Oregon or of another institution. If a student has not been previously enrolled at the University of Oregon, he must pay a \$10 admission application fee.

An applicant should address inquiries concerning graduate admission to the school or department in which he plans to study, rather than to the Graduate School or the Office of Admissions.

Documents Supporting Application. An applicant for admission as a graduate student must submit: (1) two copies of an official application form (secured from school or department), and (2) two copies of an official transcript of his college record. One copy of these credentials should be sent to the school or department in which the applicant plans to study, and the other to the Office of Admissions.

Minimum Requirements for Admission. Minimum University requirements for graduate admission are as follows:

Admission for Work Toward a Graduate Degree. Graduation from an accredited college or university with a cumulative undergraduate grade-point average of at least 2.75 (A = 4.0) is required by the Graduate School for admission to work toward a graduate degree. Individual schools and departments may set a higher GPA for admission if they choose. A student who has completed 12 or more term hours of graduate work at another institution with a GPA of 3.00 or higher is admitted without reference to his undergraduate GPA if the work is accepted by his major department or school as applicable toward a graduate degree. A student whose academic record does not meet these standards may be granted admission on a conditional basis for not more than 36 term hours of graduate work.

Admission as an Unclassified Student. Students having a baccalaureate degree and wishing to attend graduate classes, but who are not seeking an advanced degree or have not been accepted by a school or department, may be admitted as unclassified students. Students in this category must have permission of the instructor to enroll in any graduate course. If a school or department later decides to accept an unclassified student in an advanced-degree program, it may accept at its discretion up to 12 term hours of graduate credit earned while the student was in unclassified status.

Credit Requirements. For a master's degree, the student must complete an integrated program of study totaling not less than 45 term hours in courses approved for graduate credit. Integration may be achieved either through a departmental major or through a program of interdisciplinary studies. For the master's degree with a departmental major, a minimum of two-thirds of the work (30 term hours) must be in the major.

Grade Requirements. A graduate student is required to earn at least a B 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, though both D and F grades will be included in the GPA computation.

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. Credit earned at other accredited institutions, or in the Division of Continuing Education of the Oregon State System of Higher Education, may be counted toward the master's degree under the following conditions: (1) the total of transferred credit may not exceed 15 term hours; (2) the courses

must be relevant to the degree program as a whole; (3) the transfer must be approved by the student's major department and the Graduate School; (4) the grades earned must be A or B. Graduate credit is not allowed for correspondence courses. Credit granted for work done at another institution is tentative until validated by work in residence (see also "Time Limit" below).

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. Credit for work taken in excess of these maximums cannot be applied toward a degree.

All graduate students using campus facilities or studying under the supervision of a member of the faculty during either the eight-week or eleven-week term are required to register for a minimum of 3 term hours of course work.

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.

On-leave registration is not required for absence from the campus during the summer in the case of students who are registering for full- or part-time status or in on-leave status during a regular academic year. Graduate students who are pursuing studies only through summer registration without registration during the regular academic year must register in on-leave status for the three terms of the academic year intervening between summers of planned attendance.

Failure to maintain continuous enrollment, either as a graduate student registered for a full-time or part-time program of courses on the campus or as a student registered on leave without credit, will be considered as evidence that the student has withdrawn and wishes to resign his place in the Graduate School or the University. If he later wishes to resume his studies, he must formally apply for readmission and must satisfy requirements for admission in effect at the time of his application.

Specific Degree Requirements. Additional requirements pertaining to specific advanced degrees are listed in the GRADUATE SCHOOL BULLETIN.

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 the standard high-school teaching certificate 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 education and 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. 36 term hours in one of the following fields: English, foreign language, geography, history, and mathematics.

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 must include work in at least three of the following fields: anthropology, economics, geography, history, political science, psychology, and sociology. A program in science must include work in at least three of the following fields: 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 12 term hours in each of the specific fields 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. He is presumed to have satisfied, as an undergraduate, the requirements for the basic teaching certificate, but may be permitted to enroll in the graduate program for teachers while removing undergraduate deficiencies.

(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 at 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 adviser; (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 super-

visory 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 17, registration material can be picked up at Emerald Hall; time schedules will have been available several weeks before. 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 16 for details): The directory of major 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 may sign a course roster and will 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. The instructor's permission is required to audit a course, or to take it on a no-grade basis.

(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 registra-

tion cards and mark the fee assessment on the fee card. After June 17 fees will be assessed in 102 Emerald Hall.

(6) Payment of fees: Fees may be paid in the Student Union on Monday, June 17 or later in 107 Emerald Hall.

If steps 4, 5, and 6 are not completed on Monday, June 17, the student may do so later in Emerald Hall, making certain to observe all deadlines which terminate specified privileges. Full-time students in eight-week or eleven-week courses will be charged a late fee after June 21. 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 must not be used in adding courses during the summer session.

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.

Undergraduate registration for 8 or more term hours (full load), regardless of length of session	\$123.00
Graduate registration (any post-baccalaureate student) for 8 or more term hours (full load), regardless of length of session	\$143.00
Graduate assistant (at least 0.15 FTE), per term	\$ 35.00
Registration on part-time, per-hour basis (undergraduate or graduate, credit or audit)	\$31.00 to \$108.50
1 or 2 term hours, \$31.00; 3 term hours, \$46.50; 4 term hours, \$62.00; 5 term hours, \$77.50; 6 term hours, \$93.00; 7 term hours, \$108.50.	
Deposit, for students taking 8 or more term hours (against breakage or loss of University property; refundable)	\$ 10.00
Change of program fee (assessed immediately, for each course changed from original registration)	\$ 1.00
Exceptions to procedural deadlines, <i>if approved</i> , may be assessed a penalty fee	\$5.00 to \$10.00
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 21.	
Graduate qualifying examination fee	\$1.00 to \$15.00
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 than full-time, may enroll under this fee for a maximum of 10 term hour 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
College prep reading service	25.00

Music feessee page 83

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 16. 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 17.

For eight-week session students, the dormitories will close at 7:00 p.m. on Friday, August 9, following the evening meal. For eleven-week session students the dormitories will close at 7:00 p.m. on Friday, August 30, 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 furnish 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 17, payable not later than June 26. The second installment is due July 15, payable not later than July 24. 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 July 26, or if the second installment is not paid by July 24. 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	\$196.00	\$104.00	\$156.00
Ten Weeks.....	150.00	179.00	96.00	144.00
Nine Weeks.....	135.00	162.00	88.00	132.00
Eight Weeks.....	120.00	144.00	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	3.50	5.00

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.

Off-Campus Housing. All students living off campus are encouraged to select housing from a list maintained in the Housing Office in Carson Hall. Listed quarters have been inspected and certified by the Lane County Health Department as meeting safety and sanitation standards and are rented in accordance with Oregon law prohibiting discrimination. Students requesting a copy of the inspected list should indicate the type of quarters they desire.

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 access to the book stacks.

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 scholarships. 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 17 to August 30*—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.

Museum of Art. The primary purpose of the Museum of Art is to promote and cultivate among students and staff of the University of Oregon and the general public an active interest in all fields of fine and applied art, past and present. Erected in 1930, the Museum of Art 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 outstanding Murray Warner Collection, which includes more than 4,000 accessioned objects, representing principally the cultures of China and Japan (but also including some works of art from Cambodia, Korea, Mongolia, and Russia) was given to the University in 1921 by Mrs. Gertrude Bass Warner as a memorial to her husband, Major Murray Warner. In addition to this sizeable bequest Mrs. Warner established a reference library for studies in Oriental Art.

The first-floor galleries of the Museum are devoted primarily to exhibitions reflecting the local, state, and Northwest contemporary art scene: however, many traveling exhibitions of national and international scope are also frequently on view. Exhibitions and acquisitions for the permanent collections are financed primarily through the 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, publication, 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, paleocology 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 science complex 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, including recorded sound effects of the era.

Reference works, photographs, and other research materials are available for study.

Museum hours: Monday through Saturday, 9:00 a.m. to 5:00 p.m.; Sundays, 1:00 p.m. to 6:00 p.m.

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 4:30 p.m., Monday through Friday.

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.

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 the 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 Student Affairs. Under the direction of the Dean of Students, the Office of Student Affairs is concerned with assisting and counseling students in all aspects of student life at the University. 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 and graduate placement. The Office of Admissions, the Registrar's office, and the University Counseling Center are also under the general direction of the Dean of Students.

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

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 degrees. 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.

The Placement Service is located in Susan Campbell Hall.

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.

The Union. The Erb Memorial Union is a building dedicated to making the extracurricular activity of students an integral part of their education. A staff of program advisors is available to assist individuals and groups in planning programs. The Union 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 a branch of the United States Post Office, and a six-chair barber shop, concessions stand, information center, and lost and found.

Financial Aid. The University of Oregon has scholarships, loans, and part-time work available, although on a relatively restricted basis, during the summer session. The largest amount of this aid accrues to continuing students rather than to those attending only the summer session, but under some circumstances assistance also can be offered to summer-session students. Persons planning to attend the summer session and who are in need of financial assistance are advised to contact the Office of Financial Aid in Emerald Hall either in person or by mail to permit an early determination of their eligibility for the various types of financial aid available.

Selective Service System. Selective Service regulations current at the time of this printing require that undergraduate students be enrolled for at least 12 term hours of credit in order to be certified as full-time. In addition, undergraduates are expected to maintain "normal progress" toward a degree, which usually means progressing to the next highest class standing at the beginning of each academic year. Graduate students must be enrolled for at least 9 term hours of credit.

If you wish to have your local board informed that you are registered at the University in the summer, see the veterans clerk in the Registrar's Office.

Veterans' Benefits. Information about the G.I. Bill, Oregon State Veterans Aid and War Orphans Education Assistance is available at the Registrar's Office. Those who wish to receive benefits for summer attendance should see the veterans clerk promptly to process the necessary papers and to obtain information about Veterans' Administration rules which might affect summer benefits.

Undergraduates should bear in mind that, in the summer, federal benefits are based on clock (class) hours rather than on term hours of credit. Fourteen clock hours of class per week is normally considered full-time enrollment.

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

Fees in addition to the usual charge of \$15.50 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.

Brochures are available for special courses marked (*). Brochures may be obtained by using the Information Request Card in the back of this catalog or by writing to the sponsoring professional school or department.

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 18-28.
- *Art 312. **Art in the Elementary School.** 2 hours. July 1-12.
- *Art 313. **Art in the Elementary School.** 3 hours. July 15-August 9.
- *ArE 411. **Methods and Research Materials: Art in the Elementary School.** (G) 3 hours. June 18-July 12, and July 15-August 9.
- Bi 101. **General Biology.** 4 hours. June 18-July 12.
- Bi 102. **General Biology.** 4 hours. July 15-August 9.
- Bi 103. **General Biology.** 4 hours. August 12-30.
- *BEd 508. **Workshop: Trends in Shorthand.** 3 hours. June 18-28.
- *BEd 508. **Workshop: Work Trends in Data Processing.** 3 hours. July 1-12.
- *CSPA 321. **Public Administration Concepts.** 3 hours. June 18-July 12.
- *CSPA 322. **Public Administration Concepts.** 3 hours. July 15-August 9.
- *CSPA 408. **Workshop: Career Planning for Mature Women.** 2 hours. August 12-16.
- Ec 490. **Development of Industrial Economies.** (G) 3 hours. June 18-July 12.
- Ec 491. **Development of Industrial Economies.** (G) 3 hours. July 15-August 9.
- *Ed 408. **Workshop: Nutrition Education in Action.** (g) 3 hours. June 18-28.
- *Ed 508. **Workshop: Youth Today.** 4 hours. July 21-August 2.
- *Ed 508. **Workshop: The Educator and His Profession.** 2 hours. August 12-16.
- *Ed 508. **Workshop: The Geography Curriculum in the Public Schools.** 3 hours. June 18-July 12.
- *Ed 508. **Workshop: Visual Aids in Geography.** 3 hours. July 15-August 9.
- Ed 542. **Urbanization, the Pupil, and the School.** 3 hours. July 15-August 9.
- Ed 333. **Teaching Mathematics in the Elementary School.** 3 hours. July 15-August 9.
- Ed 335. **Teaching Reading in the Elementary School.** 3 hours. June 18-July 12.
- *Ed 508. **Workshop: Teaching the AAAS Elementary School Science Program.** 3 hours. June 18-July 12.
- Ed 508. **Workshop: Inquiry Development.** 5 hours. June 18-July 12.
- Ed 508. **Workshop: Questioning Strategies.** 5 hours. July 15-August 9.
- Ed 427. **School Activities.** (G) 3 hours. July 15-August 9.
- Ed 484. **The Junior High School.** (G) 3 hours. June 18-July 12.
- *Ed 508. **Workshop: The Student Council.** 3 hours. August 11-23.

- Ed 595. **Methods in Secondary-School Science.** 3 hours. June 18-July 12.
- Ed 596. **Methods in Secondary-School Social Studies.** 3 hours. June 18-July 12.
- Ed 428. **Psychology of Reading Instruction.** (G) 3 hours. June 17-July 12.
- Ed 508. **Workshop: Educational Rhythmics and Motor Development for Exceptional Children.** 9 hours. June 17-July 12.
- Ed 507. **Seminar: Clinical Supervision.** 3 hours. June 18-July 12.
- Ed 507. **Seminar: International Education.** 3-4 hours. July 15-August 9.
- Ed 509. **Practicum: Clinical Supervision.** 3 hours. June 18-July 12.
- Geog 105. **Introductory Geography.** 3 hours. June 18-July 12.
- Geog 106. **Introductory Geography.** 3 hours. July 15-August 9.
- Geog 107. **Introductory Geography.** 3 hours. August 12-30.
- Geog 201. **World Regional Geography.** 3 hours. June 18-July 12.
- Geog 202. **World Regional Geography.** 3 hours. July 15-August 9.
- Geog 203. **World Regional Geography.** 3 hours. August 12-30.
- Geog 301. **Geography of Oregon.** 3 hours. June 18-July 12.
- Geog 302. **Geography of North America.** 3 hours. July 15-August 9.
- Geog 407. **Pollution and the American Environment.** (g) 3 hours. July 15-August 9.
- Geog 471. **Atlantic and Mediterranean Europe.** (G) 3 hours. July 15-August 9.
- Geog 473. **Soviet Union.** (G) 3 hours. June 18-July 12.
- Geog 508. **The Geography Curriculum in the Public Schools.** 3 hours. June 18-July 12.
- Geol 101. **General Geology.** 4 hours. June 18-July 12.
- Geol 102. **General Geology.** 4 hours. July 15-August 9.
- Geol 103. **General Geology.** 4 hours. August 12-30.
- *Geol 408. **Workshop: Geology of the Oregon Coast.** (g) 2 hours. June 10-15.
- Geol 456. **Regional Geology of North America.** (g) 3 hours. June 18-July 12.
- GL 50. **First-Year German.** 4 hours. June 18-July 12.
- GL 51. **First-Year German.** 4 hours. July 15-August 9.
- GL 52. **First-Year German.** 3 hours. August 12-30.
- GL 101. **Second-Year German.** 4 hours. June 18-July 12.
- GL 102. **Second-Year German.** 4 hours. July 15-August 9.
- GL 103. **Second-Year German.** 3 hours. August 12-30.
- GL 320. **Scientific German.** 3 hours. June 18-July 12.
- GL 321. **Scientific German.** 3 hours. July 15-August 9.
- GL 421. **German Literature of the Twentieth Century.** (G) 2 hours. June 18-July 12.
- GL 422. **German Literature of the Twentieth Century.** (G) 2 hours. July 15-August 9.
- GL 423. **German Literature of the Twentieth Century.** (G) 2 hours. August 12-30.
- *GL-RL 508. **Workshop: Methods and Materials for Teaching Modern Languages.** 6 hours. June 18-July 12.
- SL 101. **Second-Year Russian.** 4 hours. June 18-July 12.
- SL 102. **Second-Year Russian.** 4 hours. July 15-August 9.

- SL 103. **Second-Year Russian.** 4 hours. August 12-30.
- *PE 408. **Workshop: Secondary School and College Physical Education.** 1-6 hours. June 17-July 3.
- PE 408. **Workshop: Care and Prevention of Athletic Injuries.** 2-3 hours. June 17-July 3.
- PE 408-508. **Workshop: Movement Education for Elementary School Children.** 2 hours. June 10-14.
- PE 408. **Workshop: Gymnastics.** 2 hours. June 10-14.
- *PE 408. **Workshop: Track and Field (Women).** 2 hours. July 8-12.
- HE 508. **Workshop: Mental Health.** 2 hours. June 10-14.
- *RM 408-508. **Workshop: Outdoor Recreation and Camping.** 3 hours. June 10-14.
- *PE 406. **Coaching Clinic.** 1-2 hours. June 10-14.
- HEc 225. **Nutrition.** 3 hours. June 18-July 26.
- J 407. **Seminar: High School Journalism.** (g) 4 hours. June 18-July 5.
- MuE 407. **Seminar: Teaching Music Literature in the High School.** (G) 2 hours. June 18-July 12.
- *MuE 408. **Workshop: First Steps to Music.** (G) 2 hours. July 8-19.
- *MuE 408. **Workshop: Use of the Recorder and Instruments for Children.** (G) 2 hours. July 8-19.
- *MuE 408. **Workshop: Scoring for Marching, Stage and Pep Bands.** (G) 2 hours. July 22-26.
- *MuE 408. **Workshop: The Performance of Contemporary Choral Music.** (G) 2 hours. July 29-August 2.
- MuE 532. **Basic Concepts in the Teaching of Music.** 3 hours. June 18-July 12.
- Psy 211. **General Psychology (Learning and Thinking).** 3 hours. June 18-July 12.
- Psy 215. **General Psychology (Social Psychology).** 3 hours. July 15-August 9.
- Psy 218. **General Psychology (Personality).** 3 hours. August 12-30.
- RL 50. **First-Year French.** 4 hours. June 18-July 12.
- RL 51. **First-Year French.** 4 hours. July 15-August 9.
- RL 52. **First-Year French.** 3 hours. August 12-30.
- RL 101. **Second-Year French.** 4 hours. June 18-July 12.
- RL 102. **Second-Year French.** 4 hours. July 15-August 9.
- RL 103. **Second-Year French.** 3 hours. August 12-30.
- RL 70. **First-Year Italian.** 4 hours. June 18-July 12.
- RL 71. **First-Year Italian.** 4 hours. July 15-August 9.
- RL 72. **First-Year Italian.** 3 hours. August 12-30.
- RL 104. **Second-Year Italian.** 4 hours. June 18-July 12.
- RL 105. **Second-Year Italian.** 4 hours. July 15-August 9.
- RL 60. **First-Year Spanish.** 4 hours. June 18-July 12.
- RL 61. **First-Year Spanish.** 4 hours. July 15-August 9.
- RL 62. **First-Year Spanish.** 3 hours. August 12-30.
- RL 107. **Second-Year Spanish.** 4 hours. June 18-July 12.
- RL 108. **Second-Year Spanish.** 4 hours. July 15-August 9.
- RL 109. **Second-Year Spanish.** 3 hours. August 12-30.

- Soc 204. **General Sociology.** 3 hours. June 18-July 12.
- Soc 205. **General Sociology.** 3 hours. July 15-August 9.
- Soc 206. **General Sociology.** 3 hours. August 12-30.
- Soc 304. **The Community.** 3 hours. August 12-30.
- Soc 490. **Sociology of Leisure.** (G) 3 hours. June 18-July 12.
- *Sp 508. **Workshop: Educational Television.** 4 hours each section. June 10-21,
and August 12-23.

Instruction

Anthropology

Assistant Professors: WALLACE, YOUNG.

Instructors: DONALD, WEIL.

Anth 207. **Introduction to Cultural Anthropology.** 3 hours.

Eight-week session. The nature of culture; the comparative study of social organization including political and economic institutions; problems of culture change. Weil.

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 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 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 428. **Peoples of Africa.** (G) 3 hours.

Eight-week session. The cultures of West Africa and the Western Sudan; their history and development; present problems in this region. Donald.

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.

Architecture and Allied Arts

Visiting Faculty: CHAMBERLAIN, FERGUSON.

Professors: BURGNER, LANIER, WILKINSON.

Associate Professors: BUCKNER, JAMES, KENSLER, NIXON, RYAN.

Assistant Professors: GURAN, KRAUSE, REYNOLDS, RINEHART, TAYLOR.

Instructor: LOVANO.

Applied Design

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

Eight-week session. Introduction to ceramic techniques and materials; throwing, molding, hand building; surface decoration of two- and three-dimensional

surfaces; Students participate in stacking, firing, and drawing the kiln. Open to nonmajors. James.

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. Jewelry and Metalsmithing. 2-3 hours.

Eight-week session. The handworking of nonferrous metals—copper, brass, pewter, silver, and 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. Consent of instructor. James.

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 works. Prerequisite: 6 hours of Art 255. James.

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 Jewelry and Metalsmith. (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. Consent of Instructor. James.

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

Eight-week session.

Art 509. Terminal Project. 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.

Arch 401. Special Studies. Hours to be arranged.

Eight-week session.

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

Eight-week session. Offered only for students needing, at most one term of credit in Arch 487. Prerequisite: consent of instructor.

Arch 501. Special Studies. Hours to be arranged.

Eight-week session.

* No-credit course.

Arch 509. **Graduate Terminal Project.** Hours to be arranged.

Eight-week session. Open only to master's degree candidates.

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

Eight-week session. No grade course. Offered only for students nearing completion of undergraduate terminal project. Prerequisite: consent of instructor.

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, groups discussions, evaluations, studio work. Second term: 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 18-June 28.

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

Second two weeks, July 1-July 12. Prerequisite: Art 311.

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

Second four weeks, July 15-August 9. 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 411. **Methods and Research Materials; Art in the Elementary School.** (G) 3 hours.

First four weeks, June 18-July 12. Second four weeks, July 15-August 9. 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. First four weeks, Lanier. Second four weeks, Lovano.

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

Eight-week session. First four weeks. Second four weeks. Lanier.

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

Eight-week session. First four weeks. Second four weeks. Lanier.

ArE 507. **Seminar: Current Problems and Research in Art Education.** 3 hours.

Eight-week session. Kensler.

ArE 507. **Seminar: Creative Behavior in Art.** 3 hours.

Eight-week session. Lovano.

ArE 507. **Seminar: Research Methodology in Art Education.** 3 hours.

Eight-week session. Kensler.

Art History

ArH 206. **History of Western Art.** 3 hours.

Eight-week session. An historical survey of the visual arts from prehistoric to modern times. Selected works of painting, sculpture, architecture, and other arts are studied in relation to the cultures producing them. Designed for non-major students. This is the third term of the sequence. Prerequisite: ArH 204, ArH 205, or consent of instructor. Ferguson.

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

Eight-week session.

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

Eight-week session.

* No-grade course.

- ArH 478. **Modern Art.** (G) 3 hours.
Eight-week session. Art of the twentieth century; architecture, painting, and sculpture. Prerequisite: ArH 201, 202, 203 or ArH 204, 205, 206 or consent of instructor. Ferguson.
- ArH 501. **Special Studies.** Hours to be arranged.
Eight-week session.
- ArH 505. **Reading and Conference.** Hours to be arranged.
Eight-week session.

Drawing and Painting

- Art 290. **Painting.** 2-3 hours.
Eight-week session. Instruction in the use of oil color, water color, and other media. Two sections. Ryan, Krause.
- Art 291. **Drawing.** 1-3 hours.
Eight-week session. Training in observation and selection of significant elements. Three sections. Chamberlain, Ryan.
- Art 349. **Fundamentals of Printmaking.** 3 hours.
Eight-week session. Graphic reproduction and print techniques in silk screen, block printing, and photographic processes. Two sections. Krause, Chamberlain.
- 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 437. **Contemporary Art.** (G) 1 hour.
Two-week session. Dates to be announced.
- Art 490. **Advanced Painting.** (G) 2-4 hours.
Eight-week session. Advanced problems in portrait figure, landscape, and still life, in all media. Two sections. 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. Ryan.
- 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 Printmaking.** 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. **Studies in Painting.** Hours to be arranged.
Eight-week session. Two sections. Wilkinson.

Art 591. **Studies in Drawing.** Hours to be arranged.

Eight-week session. Ryan.

Art 592. **Studies in Visual Theory and Design.** Hours to be arranged.

Eight-week session. Wilkinson.

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. Open to nonmajors. Buckner.

Art 393. **Techniques of Sculpture.** 2-4 hours.

Eight-week session. Modeling problem in portraiture, figure study, and group composition; technical and aesthetic considerations of the several sculptural media. Buckner.

Art 401. **Special Studies.** 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. Buckner.

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

Eight-week session.

Art 509. **Terminal Project.** Hours to be arranged.

Eight-week session. Buckner.

Arts and Letters

Professor: COMBELLACK.

AL 407. **Seminar: Post-Homeric Epic.** (g) 3 hours.

Eight-week session. Study (in translation) of Greek epic after Homer and Latin epic as represented by Virgil and Lucan, with attention to the influence of classical epic on later poets. Combellack.

AL 507. **Seminar: Mythology and Literature.** 3 hours.

Eight-week session. The main Greek myths as they appear in ancient literature and as they reappear in modern literary works. Combellack.

Biology

Visiting Faculty: BEEKS, JENSEN, KOKE, PASZTOR.

Professor: RISLEY.

Assistant Professor: CARROLL.

Instructors: 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. Jensen.

- Bi 101. *General Biology. (First Term)*. 4 hours.
First four weeks, June 18-July 12.
- Bi 102. *General Biology. (Second Term)*. 4 hours.
Second four weeks, July 15-August 9.
- Bi 103. *General Biology. (Third Term)*. 4 hours.
Three weeks, August 12-August 30.
- Bi 355. **Comparative Anatomy**. 4 hours.
Eight-week session. Systematic study, dissection, and identification of vertebrate structures and anatomical relations. Not open to students who have credit for Bi 362, 363, 364. Risley.
- Bi 376. **Natural History of Oregon**. 4 hours.
Eight-week session. Environmental influence of climate on plants and animals and their biotic responses; identification, distribution, and habitats of common land vertebrates. Intended to meet the needs of prospective elementary school teachers planning to teach in Oregon. Prerequisite: consent of instructor. Murphy.
- 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 422. **Introduction to Genetics**. (G) 4 hours.
Eight-week session. An introduction to the fundamental principles of genetics with integrated laboratory exercises. Prerequisite: General Chemistry and college algebra (Mth 105). Pasztor.
- Bi 429. **Cytology**. (G) 4 hours.
Eight-week session. Microscopic and submicroscopic structure of the nucleus and cytoplasm, and its relation to cell function; structure and behavior of chromosomes and other nuclear components. Methods of study and experimental procedures. Beeks.
- Bi 432. **Fungi**. (G) 4 hours.
Eight-week session. Structure, physiology, and classification of fungi. Carroll.
- Bi 494. **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 weekends, for exploration of the various kinds of habitats found in the Northwest. Prerequisite: Consent of instructor. Wisner.
- 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.

Oregon Institute of Marine Biology

Visiting Faculty : SPARLING.

Professor : NICOL.

Associate Professor : MCCONNAUGHEY.

Assistant Professors : MOBERLY, RUDY.

The following courses will be offered at the Oregon Institute of Marine Biology, Charleston, Oregon. Detailed description of these courses is published in a brochure available on request to the Director, Oregon Institute of Marine Biology, Department of Biology, University of Oregon, Eugene, Oregon, 97403.

An application, available with the brochure, must be submitted in order to enroll at this institute.

Prospective students should note that Oregon Institute of Marine Biology courses begin one week later than regular Summer Session courses.

Bi 461, 462. **Invertebrate Zoology.** (G) 4 hours each term.

June 24-August 16. Survey of representative invertebrate groups with emphasis on marine forms. Morphology, systematics, life history, and ecology. Rudy.

Bi 461. *Invertebrate Zoology (First term).* 4 hours.

June 24-July 19.

Bi 462. *Invertebrate Zoology (Second term).* 4 hours.

July 22-August 16.

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

June 24-August 16. A consideration of certain aspects of the physiology of marine organisms in relation to environmental parameters. Comparative physiology of various groups. Prerequisite: General Biology. Moberly.

Bi 433. **Algae.** (G) 4 hours.

June 24-August 16. Structure, systematics, life histories, and ecology of representative marine and fresh water algae. Sparling.

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

June 24-August 16. Staff.

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

June 24-August 16. Staff.

Bi 407, 507. **Seminar in Marine Biology.** 2 hours.

June 24-August 16. Staff.

Bi 408. **Laboratory Projects.** Hours to be arranged.

June 24-August 16. Staff.

Business Administration

Visiting Faculty : MESSNER.

Professor : RICH.

Associate Professors : ANDRUS, BROWN, HARWOOD, JONES, LUNESKI, RICHINS, ROSS.

Assistant Professors : PARKS, REINMUTH.

Instructors : BATES, HENRY, SMITH, SWADENER.

Graduate Assistants : BELLAS, MILLER, SHRODE.

Accounting and Business Statistics

Ac 221. **Fundamentals of Accounting.** 3 hours.

Eight-week session. Function of accounting as a tool for the planning and administration of organizations; primary emphasis on analysis and interpretation of financial data. Position and income statements, conceptual bases for collecting and presenting data, flows of cost, the accounting cycle, depreciation, formation of working capital. Prerequisite: sophomore standing. Miller.

Ac 222. **Fundamentals of Accounting.** 3 hours.

Eight-week session. Function of accounting as a tool for the planning and administration of organizations; primary emphasis on analysis and interpretation of financial data. Inventory and its control, debt-equity relationships, interest, asset valuation problems, manufacturing costs. Prerequisite: sophomore standing. Henry.

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

Eight-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. Luneski.

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.

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

Eleven-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. Prerequisite: Math 106. Reinmuth.

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.

Eleven-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. Reinmuth.

Finance and Business Environment

FBE 226. **Business Law I.** 3 hours.

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. Richins.

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. Smith.

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. Bates.

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. Ross.

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

Eight-week session. Greene.

FBE 464. **Investments.** 3 hours.

Eight-week session. Problems of security analysis; appraisal of investment risks and the valuation of securities; study of investment objectives and development of portfolio policies for individual and institutional investors. Prerequisite: FBE 363. Bates.

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

Eight-week session.

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

Eight-week session. Lindholm.

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

First four weeks, June 17-July 12. 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 experience with outstanding leaders in family finance from business and the University faculty.

FBE 516. **Financial Management.** (p) 3 hours.

Eight-week session. Objectives, tools, methods, and problems of financial management from the viewpoint of the firm; special problems, including funds acquisition, dividend policy, capital acquisitions, taxes, mergers, forecasting, and investment banking. Parks.

FBE 566. **Investment Problems.** 3 hours.

Eight-week session. Development of sound principles of investment management; relation of investment policy to money and capital markets and business fluctuations; selection of securities for investment portfolios in the light of long- and short-range objectives of the investor. Prerequisite: FBE 464 or equivalent. Messner.

Marketing, Insurance, and Transportation

MIT 322. Introduction to Real Estate and Urban Land Use. 3 hours.

Eight-week session. Real-estate principles and practices, with special emphasis on urban land-use analysis; nature of real property and property rights; organization of the real-estate industry and real-estate markets; the urban spatial structure and location analysis; land-use competition; management of real properties; subdivision and land development; real estate financing; the impact of government policies upon the real-estate industry. Messner.

MIT 323. Marketing Systems and Demand Analysis. 3 hours.

Eight-week session. The dynamics of demand; economic and behavioral approaches to the analysis of demand; purchase motivations—consumer versus industrial; flows of goods and services; nature of marketing institutions. Rich.

MIT 354. Risk and Insurance. 3 hours.

Eight-week session. Introduction to the basic principles of insurance from the viewpoint of the consumer; risk and risk bearing; ways of handling risk; insurance as a device to handle risk; principles of insurance buying, including carrier and agency selection; major types of private insurance—life, property, and liability—with emphasis on the underlying economic problems each type is designed to meet; the insurance contract and its legal basis, with emphasis on the elements common to all insurance contracts; economic and historical significance of insurance; insurance regulation. Swadener.

MIT 407. Seminar. Hours to be arranged.

Eight-week session. Thompson.

MIT 443. Marketing Analysis I. 3 hours.

Eight-week session. Analytical methods for solution of marketing problems; including consideration of planning and forecasting; uncertainty and decision-making, market position analysis; the marketing mix; design of market campaigns, facilities, organizations, and systems. Andrus.

MIT 456. Life and Health Insurance. 3 hours.

Eight-week session. The chief methods of handling personal risks, in business as well as individual application. Analysis of life insurance, annuity, and health insurance contracts from the viewpoint of the insurance consumer; legal and economic bases of life and health insurance; interpretation of major policy provisions; importance of rate making and reserve practices to the policy holder; integration of private policies with social-insurance coverages; estate planning and the role of income and estate taxation; business and personal uses of wills and trusts; settlement options; pension planning. Swadener.

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. Thompson.

MIT 562. Marketing Communications. 3 hours.

Eight-week session. Analysis of the environmental conditions that enhance or inhibit the firms' attempt to design and use the most effective communication for demand cultivation. Prerequisite: MIT 561. Not open to students who have taken MIT 341. Andrus.

Personnel and Industrial Management

PIM 321. Organization and Interpersonal Relations. 3 hours.

Eight-week session. Principles of management applied to commercial and industrial concerns; business planning, policy formulation, establishment of procedures, operations; theory and design of organizational structure, impact

of work-flow plans, leadership patterns, and control systems upon human behavior. Brown.

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. Bellas.

PIM 428. Research Techniques. 3 hours.

Eight-week session. Applications of scientific techniques to the solution of complex business problems through the quantitative comparison of alternatives; linear programming, opportunity cost analysis, expected value analysis, decision-making process. Shrode.

PIM 453. Business Policies. 3 hours.

Eight-week session. The interdependence of the different departments of a business concern. Designed to provide an integrated view of business operations, and to coordinate the more specialized instruction of the school. Prerequisite: senior standing.

PIM 511. Industrial Administration. 3 hours.

Eight-week session. Concepts and techniques basic to sound industrial administration; scientific management, technological change, organization structure and dynamics, decision making; techniques of production control, work measurement, statistical quality control, newer quantitative tools such as linear programming. Case studies. Bellas.

PIM 531. Theory of Business Organization. 3 hours.

Eight-week session. The role of theory in the social sciences; research and theory dealing with organizational structure, leadership, communication, evaluation, decision making, control; an attempt to integrate traditional and behavioral-science approaches to organization and organizational behavior. Brown.

Business Education

BEd 507. Seminar. 3 hours.

Eight-week session. Jones.

BEd 508. Workshop: Trends in Shorthand. 3 hours.

Two weeks, June 18-28. Analysis of shorthand instructional materials and teaching aids, psychological principles of skill development applied to shorthand; review of current literature relating to shorthand and transcription; consideration of teaching problems. Jones.

BEd 508. Workshop: Work Trends in Data Processing. 3 hours.

Two weeks, July 1-12. An opportunity for teachers to gain an understanding of data-processing systems and the equipment which comprises each type of system, to have laboratory experience in working with the equipment, and to study the incorporation of data processing in the business education curriculum.

Chemistry

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.

Classics

Professor : COMBELLACK.

Assistant Professor : SHUCARD.

Assistant : J. ARCHIBALD.

- CL 60, 61, 62. **First-Year Latin.** 4 hours first two terms, 3 hours third term.
Fundamentals of Latin and reading of selections from Caesar. Archibald.
- CL 60. *First-Year Latin (First Term).* 4 hours.
First four weeks, June 18-July 12.
- CL 61. *First-Year Latin (Second Term).* 4 hours.
Second four weeks, July 15-August 9.
- CL 62. *First-Year Latin (Third Term).* 3 hours.
Three weeks, August 12-30.
- CL 405. **Reading and Conference.** (G) Hours to be arranged.
Eight-week session.
- AL 407. **Seminar: Post-Homeric Epic.** (g) 3 hours.
For description, see ARTS AND LETTERS.
- CL 407. **Seminar: History of the Latin Language.** (G) 3 hours.
Eight-week session. Introduction to basic linguistic theory, survey of the relations among the Indo-European languages (especially affinities between Latin and Greek), development of Latin phonology, morphology, and syntax. Shucard.
- CL 503. **Thesis.** Hours to be arranged.
Eight-week session.
- CL 505. **Reading and Conference.** Hours to be arranged.
Eight-week session.
- AL 507. **Seminar: Mythology and Literature.** 3 hours.
For description, see ARTS AND LETTERS.
- CL 508. **Latin Seminar:** 3 hours.
Eight-week session. Reading of Latin authors chosen to suit the special needs and interests of teachers. Combellack.

Community Service and Public Affairs

Visiting Faculty: CRICHTON, JAHN.

Professors: BISNO, KIEFFER, PEARL, SUNDBERG, TUCK.

Associate Professors: BREWER, BRODIE, ETTER.

Assistant Professors: COLLINS, GILMORE, JENSEN, SALTVEIT.

Instructor: MILLER.

THE SCHOOL of Community Service and Public Affairs (CSPA) was established in 1967 to prepare students for various careers in community service and public affairs. The school offers a four-year program of study leading to a Bachelor of Arts or Bachelor of Science degree. The four-year professional program provides a broad liberal arts education plus the choice of numerous options of special courses pointed toward the objective of immediate work of the student's choice. Career counseling for the student is offered by a special course and as an integral part of other student experiences in the school.

In addition to University requirements for graduation, CSPA students are expected to take CSPA foundation courses. These courses, as well as electives, are largely offered by other schools and departments, supplemented by special courses in CSPA. The courses are introductory and interdisciplinary and are designed to provide an understanding of the individual, of society, and their interaction. A combination of classroom instruction, field observation and supervised field experience working in public and private agencies and governmental units is offered each student as a means of acquiring the necessary theoretical and practical knowledge and to give the student an opportunity to test his career interest in actual working situations.

The school gives special attention to persons who find they require additional education after a period of employment. It offers special courses, workshops, and conferences.

The Summer Session program of the school provides regular-session courses and offers special courses and workshops for regular students or for those registered only for the Summer Session. Students desiring to take a full course load may wish to consult the CSPA Student Advising Guide for information concerning CSPA-required courses offered in other departments and schools in the University.

CSPA 321, 322. Public Administration Concepts. 3 hours each term.

An introductory course designed to provide an understanding of concepts, processes, and methods involved in the administration of public agencies and institutions. Saltveit.

CSPA 321. *Public Administration Concepts (First Term).* 3 hours.

First four weeks, June 18-July 12.

CSPA 322. *Public Administration Concepts (Second Term).* 3 hours.

Second four weeks, July 15-August 9.

CSPA 401. Research. Hours to be arranged.

Eight-week session.

CSPA 403. Thesis. Hours to be arranged.

Eight-week session.

CSPA 405. Reading and Conference. Hours to be arranged.

Eight-week session.

CSPA 406. Special Problems: Community Health Planning. 1-3 hours.

Eight-week session. Observation in health agencies supplemented by readings and discussion. (See also CSPA 407 Seminar: Community Health Planning). Tuck.

CSPA 406. Mental Health Work Study. 6 hours.

Eleven-week session. This program, co-sponsored by the Western State Commission on Higher Education (WICHE), is designed to familiarize students with careers in mental health, rehabilitation, corrections, and mental retardation services. The initial and terminal weeks are spent on campus; the intervening nine weeks in an agency or institution serving one of these special groups. Reading and a study project are required; seminar discussions are included. Students receive a stipend. Selection is made in advance from applications. Information available from the School of Community Service and Public Affairs.

CSPA 407. Seminar: Community Health Planning. (g) 3 hours.

Eight-week session. Organization and administration of community health agencies; planning for comprehensive community health facilities based on needs determined by studies; includes observation in various health agencies. Tuck.

CSPA 407. Seminar: Comparative Analysis of Social Services. (g) 3 hours.

Eight-week session. Analysis and comparison of organization and methods of American, British and continental European social service programs, with emphasis on emerging forms of organization and methods. Crichton.

CSPA 407. Seminar: Interaction of Law and the Family. (g) 4 hours.

Eight-week session. Introductory course seeking to provide a practical understanding of the law with respect to individual, familial, and societal relationships. Family-related, specific social problems such as illegitimacy, abortion, divorce, child support, and their legal implications will be studied. The role of the attorney, his client, the agency representative, and the interests of the state will be considered. Brodie.

CSPA 407. Seminar: Manpower Development for the Helping Professions. (g) 3 hours.

Eight-week session. Identification and analysis of current and projected manpower problems and needs. Examination of promising methods for increasing manpower available for service functions, including task analysis, work simplification, role redefinitions, and new career concepts. Emphasis will be placed on practical application of manpower development techniques to current problems in service agencies. Pearl.

CSPA 407. Seminar: Research in Community Problems. (g) 3 hours.

Eight-week session. An introductory course, consisting of the examination of the application of general research methods to a variety of community problems. Includes a review of selected community problem-centered research efforts, with emphasis on the roles of program and research staff in application of research findings. Jahn.

CSPA 407. Seminar: Special Problems of Metropolitan Government. (g) 3 hours.

Eight-week session. Analysis and suggested solutions or alleviation of problems of metropolitan government. Etter.

CSPA 408. Workshop: Career Planning for Mature Women. (g) 2 hours.

One-week, August 12-16. Designed for mature women who are considering returning to college, this course will examine the personal and situational factors influencing vocational decision making, the world of work, and vocational possibilities. Gilmore.

CSPA 408. Workshop: Career Training for Mature Women. (g) 2 hours.

One-week, August 19-23. Designed for educators and college personnel staff to address the question of manpower needs and the training of mature women with particular emphasis on the barriers confronting those who are considering a return to institutions of higher education with interest in community service and public affairs careers. Gilmore.

CSPA 409. Supervised Field Study. Up to 15 hours.

Eleven-week session. Field study through participation in the activities of social and administrative agencies and institutions under close supervision; coordinated instruction. Collins, Jensen, Miller.

CSPA 411. Practice in Community Service and Public Affairs. 3 hours.

Eleven-week session. Designed to provide an introduction to the organization, character, and conduct of community and public agency programs as a link between theoretical concepts and field experience. Collins, Jensen.

Economics

Professors: KOPLIN, SIMPSON.

Associate Professors: BIERWAG, SMITH, TATTERSALL.

Ec 201. Principles of Economics. 3 hours.

Eleven-week session. Economic resources and institutions; income determination and economic stabilization; government financial operations. Smith.

Ec 202. Principles of Economics. 3 hours.

Eleven-week session. Money, monetary policy, and economics of the firm. Smith.

Ec 203. Principles of Economics. 3 hours.

Eleven-week session. Factor pricing; domestic and international economic problems. Smith.

Ec 318. Money and Banking. 3 hours.

Eight-week session. Operations of commercial banks, the Federal Reserve System, and the Treasury that affect the United States monetary system. Current issues in monetary policy. Simpson.

Ec 375. Economic Theory. 3 hours.

Eight-week session. Macro-economic analysis of income and output-determination. Economics of employment and growth. Koplín.

Ec 407. Seminar. (g) Hours to be arranged.

Eight-week session.

Ec 490, 491. Development of Industrial Economies. (G) 3 hours each term.

Eight-week session. Comparative study of economic growth in the advanced industrial nations of North America and Western Europe. Analysis of differential national and regional growth rates; sources of economic growth; structural characteristics of developing economies; problems in measurement of long-term growth trends. Tattersall.

Ec 490. *Development of Industrial Economics (First Term).* 3 hours.

First four weeks, June 18-July 12.

Ec 491. *Development of Industrial Economics (Second Term).* 3 hours.

Second four weeks, July 15-August 9.

Ec 501. Research. Hours to be arranged.

Eight-week session. Bierwag.

Ec 503. Thesis. Hours to be arranged.

Eight-week session. Bierwag.

Ec 505. Reading and Conference. Hours to be arranged.

Eight-week session. Bierwag.

Ec 507. Seminar in Group Decision Processes. 3 hours.

Eight-week session. Theories of group formation, game theory, majority voting theorems, and the relation of these to welfare economics, collective action and strategies of conflict and bargaining. Simpson.

Education

Visiting Faculty: MOODY.

Professors: ABEL, CARLSON, DILS, ELLICKSON, ERICKSON, GRAHAM, HEARN, HINES, JACOBSON, KAMBLY, LOUGHARY, LOWE, MATTSOON, MITTMAN, PEARL, SANDEN, TOPE, VAN LOAN, WOOD.

Associate Professors: ACHESON, ACKER, BATEMAN, BOWERS, CARR, DE JUNG, DIZNEY, FREDERICK, FUCHIGAMI, HANSEN, KRANZLER, LANCE, LOWELL, NYE, OSIBOV, RANKIN, ROBECK, SCHAAP, SCHMINKE, SEUBERT, SHELLENBARGER, SUTTLE, UTSEY, WALLER, WILLARD, WILLIAMS.

Assistant Professors: BENSON, CLEMENTS, DUDLEY, ESPESETH, GILMORE, HAUGHTON, HOTCHNISS, JOHNSTON, KEITH, MAERTENS, MALTBY, MARTINSON, MYERS, RYBOLT, SHEPERD, TEN BRINKE, WALLEN.

Senior Instructors: BOOTH, MILLER, O'NEIL, WAUGH.

Instructors: BROCKWAY, BURTON, ENGELSEN, MADSEN, STONE, TUCKER.

Foundations of Education

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

First four week; second four weeks; eight-week session; eleven-week session.

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

First four weeks; second four weeks; eight-week session; eleven-week session.

Ed 408. **Workshop: Nutrition Education in Action.** (g) 3 hours.

First two weeks, June 18-29. 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 breakfast-lunch programs and home eating habits; preparation of a teaching unit or related paper. Pelch.

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. Acheson.

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.

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. Bowers.

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

Eight-week session.

Ed 501. **Research: Field Studies.** Hours to be arranged.

Eight-week session.

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

Eight-week session.

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

Eight-week session.

Ed 507. **Seminar: Interdisciplinary Study of Reading.** 12 hours.

Eight-week session. Open to NDEA Reading Institute members only. Application forms may be acquired by writing to Mr. Jordan Utsey, School of Education. Completed applications must be received no later than March 22, 1968.

Ed 508. **Workshop: Youth Today.** 4 hours.

Two weeks, July 21-August 2. Open to college and high school deans and counselors of girls. Co-sponsored by National Association of Women Deans and Counselors. All participants will be involved in the workshop program. Lectures, guest speakers, panel discussions. Any youth problem may be introduced and discussed. Two field trips are scheduled. Consultants from NAWDC will assist the workshop director. Charges in addition to tuition: \$136 (includes room and board, field-trip transportation, and entertainment costs). Advance registration required. Address inquiries to Mrs. Golda Wickham, Dean of Women, University of Oregon, Eugene, Oregon, 97403.

Ed 508. **Workshop: The Educator and His Profession.** 2 hours.

August 12-16. 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. Maertens.

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

First four weeks, June 18-July 12. 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 15-August 9. 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 courses. Searl.

Ed 542. **Urbanization, the Pupil, and the School.** 3 hours.

Second four weeks, July 15-August 9. Prevailing social patterns in urban society that are pertinent to an understanding of what pupils learn and study, pupils 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. Graham.

Ed 545. **School and Society in the Recent Past.** 3 hours.

Eight-week session. The liberal evolution in modern education; the state and education; freedom in teaching; education and social ends; the place of religion in secular education.

Elementary Education

Ed 333. **Teaching Mathematics in Elementary Schools.** 3 hours.

Second four weeks, July 15-August 9. Arithmetic in the elementary program. Types of instruction, criteria for selection, placement, and organization of content. Prerequisite: Ed 315. Schminke.

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

First four weeks, June 18-July 12. 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. Maertens.

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: Early Childhood Education for the Disadvantaged.** 12 hours. Eight-week session. Open to NDEA Institute members only. Participants will be notified by selected districts.
- Ed 508. **Workshop: Teaching the AAAS Elementary School Science Program.** 3 hours. Second four weeks, July 15-Aug. 9. Intended for experienced teachers who wish to become familiar with the AAAS program. Emphasis on developing behavioral competencies in the "Processes of Science" in teachers. Ellickson.
- Ed 508. **Workshop: Inquiry Development.** 5 hours. First four weeks, June 18-July 12. Development of skills in inquiry teaching; identification of levels of inquiry with understanding of data-theory cycle; student-teacher moves necessary for greater autonomous learning. Miller and Staff.
- Ed 508. **Workshop: Questioning Strategies.** 5 hours. Second four weeks, July 15-August 9. Use of a wide range of questioning to cause more productive thinking; planning and practicing use of questioning grids to develop concepts selected by the teacher; analysis of practice sessions. Miller and Staff.
- 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.
- 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.
- 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. Wallen.
- 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. Maertens.

Secondary Education

- Ed 407. **Seminar: Principles of Secondary Teaching.** (G) 3 hours. Eight-week session. Study of the teaching process including classroom organization and management, planning teaching units, innovations in teaching; and evaluating student learning. 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 NDEA English Institute members only.
- Ed 427. **School Activities.** (G) 3 hours. Second four weeks, July 15-August 9. 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 18- July 12. 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: The Student Council. 3 hours.

August 11-23. 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. Hearn.

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

Eight-week session. 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. Prerequisite: teaching experience or consent of instructor. Schaaf.

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

First four weeks, June 18-July 12. 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 18-July 12. 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.

Psycho-Educational Studies

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. Students serve as research project staff members and complete projects of interest to the group. 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. Kranzler.

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

Eight-week session. Open only to students in programs leading to speciali-

- zation in secondary-school counseling. Observation, staffing of cases, counseling, case writing, testing. Prerequisite: consent of instructor. Rybolt.
- Ed 409. **Practicum: Rehabilitation Field Agencies.** (G) 6-9 hours.
Eight-week session. Supervised counseling experience in community rehabilitation agencies and facilities. Open to rehabilitation majors only. Waller.
- 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. Rybolt.
- Ed 409. **Practicum: Elementary-School Counseling.** (G) Hours to be arranged.
Eight-week session. Open only to students planning programs leading to specialization in elementary-school counseling. Observation, staffing of cases, counseling. Prerequisite: consent of instructor. Kranzler.
- 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. Brockway.
- 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. Dudley.
- 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 507. **Seminar: Research in Counseling.** 3 hours.
Eight-week session. Students serve as research project staff members and complete projects of interest to the group. Prerequisite: consent of instructor. Loughary.
- Ed 507. **Seminar: Counseling and Sexual Behavior.** 3 hours.
Eight-week session. Explore and examine extant and emerging attitudes and orientation toward sexual behavior and their implications in counseling with adolescents and adults. Prerequisite: consent of instructor. Acker.
- 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: Rehabilitation Field 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. Waller.
- 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. Rybolt.
- 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. Dudley.

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. Johnston.

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. Carr.

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

Eight-week session. Practice in the use of the theory and concepts of individual intelligence testing. Carr, 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. Dizney.

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. Lovell.

Ed 507. Seminar: Philosophy of Science. 3 hours. Lovell.

Eight-week session.

Ed 507. Seminar: Thesis. 1 hour. Staff.

Eight-week session.

Ed 507. Seminar: Learning. 3 hours. Johnston.

Eight-week session.

Ed 512. Introduction to Educational Research Methods. 3 hours.

Eight-week session. An introductory course in research methodology for students at the master's degree level or for 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. Prerequisite: elementary course in statistics or consent of instructor. Mittman.

Ed 516. Educational Statistics. 3 hours.

Eight-week session. Continuation of Ed 575. Mittman.

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

Eight-week session. An intensive study of the purposes, uses, administration, scoring, and interpretation of group tests commonly used in public schools and colleges. Testing in the areas of achievement, aptitudes, interests, and personality. Designed primarily for advanced students in educational psychology, human development, psychometrics, and counseling. Prerequisite: Ed 424. Dizney.

Ed 530. Advanced Educational Psychology. 2 hours.

Eight-week session. Designed as a second course following Ed 529. Focus is upon the learner, particularly in school contexts. Prerequisite: general psychology, statistics, or consent of instructor. Dizney.

Ed 564. Mental Tests. 3 hours.

Eight-week session. Individual intelligence testing. Selection, administration, and interpretation of individual tests utilized in testing exceptional and extremely deviate children. Prerequisite: Ed 424, Psy 524, or Psy 525; consent of instructor. Rankin.

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 Mrs. Eva O'Neil or Mrs. Ruth Waugh, Remedial Education, School of Education, University of Oregon, before June 1.

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, 509. 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, 509. 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. Staff.

Ed 409, 509. 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. O'Neil.

Ed 428. Psychology of Reading Instruction. (G) 3 hours.

First four weeks, June 17-July 12. Nature of the reading process; factors of learning and development related to reading achievement; psychological foundations of methods and materials of reading instruction; nature and treatment of reading disability. Bateman.

Ed 429. Principles of Remedial Education. (G) 3 hours.

Eight-week session. Survey of remedial education; factors associated with underachievement; general principles of diagnosis and remediation; diagnostic instruments and remedial resources. A first course in remedial education with application to both elementary and secondary education. Frederick.

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, 509) required. Prerequisite: consent of instructor. Waugh.

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, 509) required. Prerequisite: consent of instructor. O'Neil.

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. Frederick.

Ed 509. Practicum: School Psychology. 3 hours.

Eight-week session. Similar to Practicum: School of 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: 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. Psychological and physiological description of physically handicapped conditions. Sheperd.

Ed 407. Seminar: Education of the Physically Handicapped. (G) 3 hours.

Eight-week session. Educational practices, including curriculum, methods and materials appropriate for physically handicapped children. 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 407. Seminar: Nonacademic Curriculum for the Mentally Retarded. (G) 3 hours.

Eight-week session. A course for teachers of children diagnosed as mentally retarded. Activities involving art, crafts, music, recreation, physical education, etc., for the mentally retarded. Pre-enrollment required. Staff.

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. Prerequisite: consent of instructor. 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.

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 education adaptations. Staff.

- Ed 464. **The Mentally Retarded Child.** (G) 3 hours.
Eight-week session. The psychology, education, and guidance of the mentally retarded child. Staff.
- 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. **Evaluating Special-Education Instructional Materials.** 3 hours.
Eight-week session. Evaluation of techniques and methodology for evaluating instructional materials in special education. Engelsens.
- 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. Staff.
- Ed 507. **Advanced Seminar: Administration of Special Education.** 3 hours.
Eight-week session. Field research design and role of administrator as researcher. Analysis of program support potential. Legislative developments. Martinson.
- Ed 508. **Workshop: Educational Rhythmics and Motor Development for Exceptional Children.** 9 hours.
Four-week session, June 17-July 12. Methods and materials relating to motor development, recreation, adapted physical education, music, and other non-verbal learning for exceptional children. Includes practica with children. Pre-registration required. Staff.
- 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. **Practicum: Administration of Pupil-Personnel Services.** 3 hours.
Eight-week session. Historical and current development of specialized ancillary services in educational programs. Personnel management. Martinson.
- Ed 509. **Advanced Practicum: Field Research in Special Education.** 3 hours.
Eight-week session. Application of research procedures to problems of administration and supervision.
- Ed 509. **Practicum: Physically Handicapped.** Hours to be arranged.
Eight-week session. Prerequisite: consent of instructor. Sheperd.
- 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.

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 to 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 Nongraded Elementary School.** 3 hours.
Eight-week session. Fundamental considerations, theory, review of research, current practices, issues, and anticipated projections related to nongrading the elementary school. Sandin.
- Ed 507. Seminar: Nature and Problems of Administrative Behavior.** 3 to 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. Prerequisite: consent of instructor. Jacobson, staff.
- Ed 507. Seminar: Staff Personnel.** 3 hours.
Eight-week session. An investigation and consideration of the best principles and practices in school personnel administration and determining its role in facilitating the educational process. Dils.
- Ed 507. Seminar: Change in Organizations.** 3 hours.
Eight-week session. Analysis of the principles of change affecting educational organizations and review of the research on change in organizations from related behavioral science disciplines. Carlson.
- Ed 507. Seminar: Clinical Supervision.** 3 hours.
First four weeks. June 18-July 12. Observation as a means of supervision. The rationale for practice of clinical supervision and analysis of the supervision cycle. Must be taken concurrently with Ed 509. Practicum: Clinical Supervision. Suttle, staff.
- Ed 507. Seminar: Community-College Programs.** Hours to be arranged.
Van Loan.
- Ed 507. Seminar: International Education.** 3-4 hours.
Second four weeks. July 15-August 9. Brief survey of comparative education. Description of the selected national models in developed and underdeveloped countries. Techniques of area studies, basic principles of economic development, economics of education, national planning, educational planning. Characteristics of overseas service; securing an assignment, preparations for an assignment. Wood.
- Ed 509. Practicum: Clinical Supervision.** 3 hours.
First four weeks; June 18-July 12. Practice of supervisory skills under supervision designed to improve the individual's skills in supervision. Must be taken concurrently with Ed 507. Seminar: Clinical Supervision. Suttle, staff.
- Ed 522. Secondary-School Curriculum.** 3 hours.
Eight-week session. Overview of the secondary-school curriculum, emphasizing the various subject fields, organization of the school for curriculum development, educational objectives, course of study, evaluation of the secondary-school program. Staff.

- Ed 527. Secondary-School Administration and Supervision.** 3 hours.
Eight-week session. Secondary-school principalship, principles of administration, staff relationships, public relations, and professional growth. Business administration, administration of guidance services, curriculum, and school activities, evaluation of the secondary school. Staff.
- 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. Staff.
- Ed 554. Elementary-School Supervision and Administration.** 3 hours.
Eight-week session. For students in elementary education who are preparing for administration or supervisory positions. Characteristics of good elementary schools, leadership responsibilities and processes, school-organization patterns, pupil-personnel policy, and school-community relationships. Staff.
- 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. Staff.
- Ed 560. Secondary-School Problems.** 3 hours.
Eight-week session. Current problems in the field of secondary education. Hearn, staff.
- 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 techniques of study planning. Staff.
- Ed 572. Public-School Administration.** 3 hours.
Eight-week session. 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. Staff.
- 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. Extralegal agencies affecting education. Staff.
- 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. Staff.
- 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. Staff.
- 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.

English

Visiting Faculty: AHO, HAISLIP, TAYLOR, W. THORP, VANDERBILT.

Professors: KARCHMER, A. R. KITZHABER, SVENDSEN, WEGELIN.

Associate Professors: ALBRECHT, CADBURY, STRANGE.

Assistant Professors: CROSS, DI PASQUALE, E. KITTOE, MALARKEY, ROCKETT, I. SHERWOOD, SLOAT, P. THORPE.

Instructors: BARCHEK, JACKSON, JUBA, A. KITZHABER.

Literature

- Eng 101. **Survey of English Literature (First Term)**. 3 hours.
Eight-week and eleven-week sessions.
- 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.
Eight-week and eleven-week sessions. Drama.
- Eng 201. **Shakespeare (First Term)**. 3 hours.
Eight-week and eleven-week sessions. Study of the important plays. I. Sherwood, Rockett.
- Eng 202. **Shakespeare (Second Term)**. 3 hours.
Eight-week and eleven-week sessions. Study of the important plays. Rockett.
- Eng 305. **Satire**. 3 hours.
Eight-week session. Examples from various literary forms and literatures. P. Thorpe.
- Eng 393. **American Novel (Third Term)**. 3 hours.
Eight-week session. Development of the American novel. Modern period. Cross.
- Eng 394. **Twentieth-Century Literature (First Term)**. 3 hours.
Eight-week and eleven-week sessions. Critical survey of British, American, and some European literature from 1890 to the present. Vanderbilt, Haislip.
- Eng 403. **Thesis**. Hours to be arranged.
Eight-week and eleven-week sessions. Staff.
- Eng 405. **Reading and Conference**. Hours to be arranged.
Eight-week and eleven-week sessions. Staff.
- Eng 407. **Seminar**. (G) Hours to be arranged.
Eight-week and eleven-week sessions. Staff.
- Eng 407. **Seminar: Introduction to Modern Criticism**. (G) 3 hours.
Eight-week session. Two sections, one restricted to participants in Experienced Teacher Fellowship Program. Di Pasquale.
- Eng 407. **Seminar: Mediaeval Narrative**. (G) 3 hours.
Eight-week session. Major examples from several genres and literatures. Aho.
- Eng 407. **Seminar: Applied Criticism**. (G) 3 hours.
Eight-week session. Reading and analysis of selected literary works representing the major genres, with special attention to underlying literary principles and to bases for making qualitative judgments about literary worth.
- Eng 407. **Seminar: Structure of English**. (G) 3 hours.
Eight-week session. Introduction to the structure of contemporary standard American English; primary emphasis on transformational grammar, with some attention to other grammatical systems. Annabel Kitzhaber.

- Eng 407. **Seminar: Theory and Practice of Oral and Written Composition.** (G) 3 hours.
Eight-week session. A systematic study of rhetorical principles underlying both speaking and writing, with a limited amount of practice in oral and written composition. A. R. Kitzhaber.
- Eng 428. **Chaucer.** (g) 3 hours.
Eight-week session. As much of Chaucer's work read as time permits. Aho, Malarkey.
- Eng 440. **Seventeenth-Century Literature (First term).** (G) 3 hours.
Eleven-week session. Poetry and prose of the period studied in relation to the trends of thought and feeling which characterize the century. Rockett.
- Eng 450. **Eighteenth-Century Literature (First Term).** (G) 3 hours.
Eight-week session. The prose and poetry of the century studied in relation to the social, political, and aesthetic ideas which gave the period its peculiar character. P. Thorpe.
- Eng 462. **The Romantic Poets (Third Term).** (G) 3 hours.
Eight-week session. Major works of Shelley and Byron. Strange.
- Eng 464. **Late Nineteenth Century Poets (Second Term).** (G) 3 hours.
Eight-week session. Arnold, the pre-Raphaelites, Swinburne, and others. Cadbury.
- Eng 477. **Nineteenth-Century American Literature (First Term).** (G) 3 hours.
Eight-week session. The beginnings of national literature. Cross.
- Eng 483. **Major American Writers (Third Term).** (G) 3 hours.
Eight-week session. Intensive study of Whitman, Hart Crane, and T. S. Eliot. Vanderbilt.
- Eng 501. **Research.** Hours to be arranged.
Eight-week and eleven-week sessions. Staff.
- Eng 503. **Thesis.** Hours to be arranged.
Eight-week and eleven-week sessions. Staff.
- Eng 505. **Reading and Conference.** Hours to be arranged.
Eight-week and eleven-week sessions. Staff.
- Eng 507. **Seminar.** Hours to be arranged.
Eight-week and eleven-week sessions. Staff.
- Eng 507. **Seminar: The Establishment of an American Literary Tradition.** Hours to be arranged.
Eight-week session. W. Thorp.
- Eng 507. **Seminar: Emerson and Thoreau.** Hours to be arranged.
Eight-week session. Albrecht.
- Eng 507. **Seminar: Recent American Fiction.** Hours to be arranged.
Eight-week session. Wegelin.
- Eng 507. **Seminar: William Blake: the Major Prophecies.** Hours to be arranged.
Eight-week session. Strange.
- Eng 540. **Problems and Methods of Literary Study.** 3 hours.
Eight-week session. Bibliography and methods of literary research as an introduction to graduate work. Cadbury.
- Eng 589. **Modern Poetry (Second Term).** 3 hours.
Eight-week session. American poetry from the imagists to the present. Albrecht.
- Eng 590. **Modern Fiction (First Term).** 3 hours.
Eight-week session. The rise and development of realism. Wegelin.

A1 407. Seminar: Post-Homeric Epic. (g) 3 hours.

Eight-week session. Study (in translation) of Greek epic after Homer and Latin epic as represented by Virgil and Lucan, with attention to the influence of classical epic on later poets. Combellack.

A1 507. Seminar: Mythology and Literature. 3 hours.

Eight-week session. The main Greek myths as they appear in ancient literature and as they reappear in modern literary works. Combellack.

Writing

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

Eight-week and eleven-week sessions. Fundamentals of English composition.

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

Eight-week and eleven-week sessions. Fundamentals of English composition.

Wr 123. English Composition (Third Term). 3 hours.

Eight-week and eleven-week sessions. Fundamentals of English composition.

Wr 324. Short-Story Writing (First Term). 3 hours.

Eight-week session. For students interested in creative writing or in professional writing for magazines. Karchmer.

Wr 404. Writing and Conference. Hours to be arranged.

Eight-week and eleven-week sessions. Karchmer.

Eng 508. Workshop: Creative Writing for Teachers. 3 hours.

Eight-week session. A course in theory and practice for high school teachers. Haislip.

Wr 503. Thesis. Hours to be arranged.

Eight-week and eleven-week sessions.

Wr 504. Writing and Conference. Hours to be arranged.

Eight-week and eleven-week sessions. Karchmer.

English NDEA Summer Institute

The Department of English at the University of Oregon and the Oregon Curriculum Study Center will conduct an eight-week Institute for secondary school teachers and supervisors of English, grades 7-12, from public and nonpublic schools throughout the United States.

Institute courses are open only to institute participants.

Eng 407. Seminar: Applied Criticism. (G) 3 hours.

Eight-week session. Reading and analysis of selected literary works representing the major genres, with special attention to underlying literary principles and to bases for making qualitative judgments about literary worth. Taylor.

Eng 407. Seminar: Structure of English. (G) 3 hours.

Eight-week session. Introduction to the structure of contemporary standard American English; primary emphasis on transformational grammar, with some attention to other grammatical systems. Sloat.

Eng 407. Seminar: Theory and Practice of Oral and Written Composition. (G) 3 hours.

Eight-week session. A systematic study of rhetorical principles underlying both speaking and writing, with a limited amount of practice in oral and written composition.

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

Eight-week session. Study of teaching methods in literature, rhetoric, and language, and in principles of organizing instruction.

Geography

Visiting Faculty : BENNETT, KRAMER, LE BLANC, ROWNTREE, SEARL.

Professors : DICKEN, PATTON.

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 18-July 12.

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

Second four weeks, July 15-August 9. Le Blanc.

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

Three weeks, August 12-30. Kramer.

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 18-July 12. Rowntree.

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

Second four weeks, July 15-August 9. Bennett.

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

Three weeks, August 12-30. Searl.

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

First four weeks, June 18-July 12. Physical and cultural geography of Oregon.
Dicken.

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

Second four weeks, July 15-August 9. Physical and cultural geography of
western United States and western Canada. Dicken.

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

Eight-week session.

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

Eight-week session.

Geog 407. **Pollution and the American Environment.** (g) 3 hours.

Second four weeks, July 15-August 9. An examination of air, water, soil, noise,
and visual pollution as factors in man's total environment. Rowntree.

Geog 471. **Atlantic and Mediterranean Europe.** (G) 3 hours.

Second four weeks, July 15-August 9. Physical and cultural processes that
have shaped the landscapes of Europe.

Geog 473. **Soviet Union.** (G) 3 hours.

First four weeks, June 18-July 12. Physical and cultural processes that have
shaped the landscapes of the U.S.S.R.

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

Eight-week session. Climatology. Patton.

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

Eleven-week session.

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

Eleven-week session.

Geog 508. **Workshop: The Geography Curriculum in the Public Schools.** 3
hours.

First four weeks, June 18-July 12. 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.

Geog 508. **Workshop: Visual Aids in Geography.** 3 hours.

Second four weeks, July 15-August 9. 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

Professor: STAPLES.

Associate Professor: KAYS.

Assistant Professors: BENSON, ORR.

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, Orr.

Geol 101. *General Geology (First Term).* 4 hours.

First four weeks, June 18-July 12.

Geol 102. *General Geology (Second Term).* 4 hours.

Second four weeks, July 15-August 9.

Geol 103. *General Geology (Third Term).* 4 hours.

Three weeks, August 12-30.

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.

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

Eight-week session.

Geol 408. **Workshop: Geology of the Oregon Coast.** (g) 2 hours.

One week, June 10-15. Field study of geologic formations, sculpture, and evolution of the Oregon coast. Transportation by chartered bus. Camp will be made each night, and each participant must provide his own camping and cooking gear and food. Advance registration required by May 15. Fees, in addition to tuition, will be approximately \$40 per participant for transportation and syllabus. Benson.

Geol 456. **Regional Geology of North America.** (g) 3 hours.

First four weeks, June 18-July 12. Survey course designed primarily for teachers of earth science. A study of the geology of the continent taken by regions. Orr.

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. Kays, Staples.

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

Eight-week session.

German and Russian

Professors: LEPPMANN, NICHOLLS.

Associate Professors: GONTRUM, HAHN.

Assistant Professors: BEDWELL, PLANT, RICE.

Instructors: BUHRMANN, PURVIS, WISHARD.

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. Buhrmann, Plant.

GI 50. *First-Year German (First Term).* 4 hours.

First four weeks, June 18-July 12.

GL 51. *First-Year German (Second Term).* 4 hours.

Second four weeks, July 15-August 9.

GL 52. *First-Year German (Third Term).* 3 hours.

Three weeks, August 12-30.

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. Gontrum, Purvis, Wishard.

GL 101. *Second-Year German (First Term).* 4 hours.

First four weeks, June 18-July 12.

GL 102. *Second-Year German (Second Term).* 4 hours.

Second four weeks, July 15-August 9.

GL 103. *Second-Year German (Third Term).* 3 hours.

Three weeks, August 12-30.

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. Hahn.

GL 320. *Scientific German (First Term).* 3 hours.

First four weeks, June 18-July 12.

GL 321. *Scientific German (Second Term).* 3 hours.

Second four weeks, July 15-August 9.

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. Leppmann.

GL 405. **Reading and Conference.** (G) Hours to be arranged.

Eleven-week session. Readings and reports in selected periods of German literature. Bedwell, Plant.

- 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 18-July 12.
- GL 422. *German Literature of the Twentieth Century (Second Term).*
2 hours.
Second four weeks, July 15-August 9.
- GL 423. *German Literature of the Twentieth Century (Third Term).* 2 hours.
Three weeks, August 12-30.
- GL 503. **Thesis.** Hours to be arranged.
Eight-week session. Gontrum.
- GL 505. **Reading and Conference.** Hours to be arranged.
Eleven-week session. Readings and reports in selected periods of German literature. Hahn.
- GL 507. **Seminar: German Drama.** Hours to be arranged.
Eight-week session. Nicholls.
- GL 508. **Workshop: Methods and Materials for Teaching Modern Languages.**
6 hours.
June 18-July 12. 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. Purvis.
- GL 546. **Seminar.** Hours to be arranged.
Eight-week session. Nicholls.
- SL 101, 102, 103. **Second-Year Russian.** 4 hours each term.
Review of grammar; reading of fiction, history, current newspapers; conversation. Approximate equivalent to Second-year Russian given during the regular academic year. Rice.
- SL 101. *Second-Year Russian (First Term).* 4 hours.
First four weeks, June 18-July 12.
- SL 102. *Second-Year Russian (Second Term).* 4 hours.
Second four weeks, July 15-August 9.
- SL 103. *Second-Year Russian (Third Term).* 4 hours.
Three weeks, August 12-30.
- SL 405. **Reading and Conference.** Hours to be arranged.
Eleven-week session. Readings and discussion of Russian literature. Rice.

Health, Physical Education, and Recreation

Visiting Faculty: HOLBROOK, PYE.

Professors: BRUMBACH, CLARKE, DOUGHERTY, ESSLINGER, EVONUK, HAAR, RHODA, RODNEY, SIGERSETH, SPRAGUE, WASHKE.

Associate Professors: BORCHARDT, FORD, GESER, KIME, PUCKETT, W. SMITH, WOOTEN.

Assistant Professors: MUNSON, SCHLAADT, VAN ROSSEN.

Instructors: ADLER, BORREVIK, DIONNE, B. SMITH, R. SMITH, SUMMERS.

Workshops

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

First three weeks of summer session, June 17 to July 3. Workshop is designed for junior and senior high school teachers as well as college teachers. Emphasis is upon improvement of teaching and improvement of competency in performing physical activities. All sections include teaching materials and method. Students should anticipate tests in some areas. Workshop will hold class sessions on registration day, June 17 and on the following two Saturdays, June 22 and June 29. All workshop classes will terminate late afternoon, Wednesday, July 3. Dance sections are open to men students.

Areas for participation and study:

Gymnastics—beginning and Advanced Sections	2 hours
Track and Field	2 hours
Modern Dance for Teachers	2 hours
Modern Dance in the School Program	1 hour
Individual and Dual Sports: Selections from Archery, Badminton, Tennis	1-2 hours
Folk Dance	1 hour
Volleyball-Basketball	2 hours
Tumbling	1 hour
Conditioning Exercises	1 hour
Rhythmic Gymnastics-Hand Apparatus	1 hour
Conditioning and Fitness Activities	1 hour

PE 408. Workshop: Care and Prevention of Athletic Injuries. 2-3 hours.

First three weeks. A course designed for women teachers concerned with the coaching of sports and gymnastics. Emphasis upon prevention of injury and an understanding of preventive care. Open to both men and women. Standifer.

PE 408, 508. Workshop: Movement Education for Elementary School Children. 2 hours.

June 10-14. A course designed to give information and practical experience in the exploration and problem solving approach to the teaching of physical education activities in the elementary school. Included will be activities using small equipment, apparatus, and games. All participants should come prepared to take an active role in all sessions. Pye.

PE 408. Workshop: Gymnastics. 2 hours.

June 10-14. Open to both men and women. Will include instruction and practical application in all gymnastic events. Progression and techniques of instruction will be emphasized. R. Smith.

PE 408. Workshop: Track and Field. 2 hours.

July 8-12. Available to 30 high-school students (women). Available to 12 high-school teachers who will act as assistants. Working papers are required. Hours to be arranged. Jackson, Puckett.

HE 508. Workshop: Mental Health. 2 hours.

June 10-14. Designed for teachers, public school administrators, counselors, public health personnel, health educators and personnel in allied health, biological, and medical sciences. The latest scientific data and research findings related to the field of mental health will be presented by leading authorities in the fields of psychology, counseling, health, and medicine. W. Smith.

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

June 10-14. Analysis of techniques, theory of recreational land use, understanding conservation problems, basic Oregon natural history, practical experience to develop leaders of outdoor recreation. Ford.

Coaching Clinic

PE 406. Coaching Clinic. 1-2 hours.

June 10-14. Special problems of coaching football, basketball, baseball, track and field, wrestling, injury care. Designed for high-school coaches.

Physical Education (Professional Courses)

- PE 405. **Reading and Conference.** Hours to be arranged.
Eight-week session.
- PE 406. **Games for Elementary Schools.** 2 hours.
Eight-week session. Creative games, games of low organization, and fundamental sport skills suitable for elementary children. Munson.
- PE 406. **Rhythms for Elementary School.** 2 hours.
Eight-week session. The dance program for children in the elementary school, grades one through six. Locomotor and nonlocomotor movement; dramatization and creative dance studies; singing games; traditional dance skills and folk dances for children of the intermediate grades. Munson.
- PE 406. **Special Problems.** Hours to be arranged.
Eight-week session.
- 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. 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 506. **Special Problems: Athletic Injuries.** 3 hours.
Eight-week session. Bandaging, massage, and other specialized mechanical aids for the prevention of injuries. Analysis of types of injuries; emergency procedures. Sigerseth.
- 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. Holbrook.
- PE 507. **Seminar: Advanced Exercise Physiology.** 3 hours.
Eight-week session. Physiological principles and facts related to human performance, physical conditioning and training. Prerequisite: Bi 312, 313. Evonuk.
- PE 507. **Seminar: Physical Education for Mentally Retarded.** 3 hours.
Eight-week session. A study of the physical aspect of growth and development of the mentally retarded child and the relationship of these factors to the development of physical education programs for the mentally retarded. Wooten.
- PE 507. **Seminar: Current Literature in Physical Education.** 3 hours.
Eight-week session. A survey of current writing in the area of physical education. Holbrook.

- PE 518. **Current Movements in Physical Education.** 3 hours.
Eight-week session. The different schools of thought and practice which determine the purposes and procedures in the professional field of physical education. Analysis of the Oregon and other regional public school physical education programs. Sprague.
- PE 523. **Physical Education of the Handicapped.** 3 hours.
Eight-week session. The major crippling conditions, such as cerebral palsy and poliomyelitis, and functional disturbances, such as cardiac and respiratory conditions; planning the physical education program for these conditions. Wooten.
- 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. Clarke.
- PE 544. **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. Brumbach.
- PE 551. **Administration of Physical Education.** 3 hours.
Eight-week session. Organization and administration of the physical education program at the college level. Esslinger.
- PE 553. **Intramural Organization and Management.** 3 hours.
Eight-week session. Nature and purposes of intramural programs; history of their development. Departmental organization. Relationship of the program to physical education instruction. Administrative problems. Washke.
- PE 556. **Administration of Buildings and Facilities.** 3 hours.
Eight-week session. Building layout and equipment; the relationship of the various functional units—equipment service, dressing facilities, activity spaces, administrative units, permanent and dismantlable equipment. Rhoda.
- PE 559. **Professional Preparation in Physical Education.** 3 hours.
Eight-week session. Historical development of professional preparation in the field of physical education; curriculum, evaluation, and recruitment in the development and conduct of teacher education programs in physical education. Sprague.
- PE 567. **Motor Development in Infancy and Childhood.** 3 hours.
Eight-week session. Study of the acquisition of motor skills during the first decade of life. Brumbach.
- PE 572. **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. Evonuk.

Physical Education (Service Courses)

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

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

Eight-week session. For men and women. Adler.

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

Eight-week session. For men and women. Adler, Borrevik, Summers, Van Rossen.

Health Education (Professional Courses)

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

Eight-week session. 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. Schlaadt.

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, Washke.

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

Eight-week session.

HE 405. **Special Problems.** Hours to be arranged.

Eight-week session.

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. 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. Schlaadt.

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: Public Relations and Health Education.** 3 hours.

Eight-week session. Study of current problems, issues, significant research, and theories in the field of health education as related to public communication;

theories and practice of business and government public relations programs applicable to education. Kime.

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. Kime.

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

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

Recreation Management (Professional Courses)

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

Eight-week session.

RM 406. Special Problems. Hours to be arranged.

Eight-week session.

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

Eight-week session. Ford.

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 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 553. Administration of Recreation. 3 hours.

Eight-week session. Organization and administration of recreation programs in recreational districts, communities, and municipalities; legal aspects, source of funds, types of programs. Rodney.

RM 554. Problems of Camp Management. 3 hours.

Eight-week session. Analysis of problems under various types of camp sponsorship; principles, techniques, resources, administrative practices; principles and problems of leadership and group behavior. Rodney.

History

Visiting Faculty: BALTZLY.

Professors: BINGHAM, GOVAN, SMITH, SORENSON.

Associate Professors: BIRN, PIERSON.

Assistant Professors: BERDAHL, KIMBALL, PERRIN.

Instructors: DILL, MAHAR.

Hst 101. History of Western Civilization. 3 hours.

Eleven-week session. Origins and development of Western civilization from ancient times to the present. Dill.

- Hst 102. **History of Western Civilization.** 3 hours.
Eight-week session. Origins and development of Western civilization from ancient times to the present. Birn.
- Hst 103. **History of Western Civilization.** 3 hours.
Eight-week session. Origins and development of Western civilization from ancient times to the present. Kimball.
- Hst 201. **History of the United States.** 3 hours.
Eleven-week session. From colonial times to the present. Mahar.
- Hst 202. **History of the United States.** 3 hours.
Eleven-week session. From colonial times to the present.
- Hst 203. **History of the United States.** 3 hours.
Eleven-week session. From colonial times to the present.
- Hst 302. **Europe Since 1789.** 3 hours.
Eight-week session. Political, social, economic, and cultural trends from the French Revolution to the present. Hst 302 covers mid-19th century to 1918. Berdahl.
- Hst 304. **English History.** 3 hours.
Eight-week session. A general survey, covering political, economic, social, intellectual, and religious developments. Baltzly.
- Hst 405. **Reading and Conference.** Hours to be arranged.
Eight-week and eleven-week sessions.
- Hst 407. **Seminar: Early Modern Europe.** 3 hours.
Eight-week session. Birn.
- Hst 407. **Seminar: Nineteenth-Century England.** 3 hours.
Eight-week session. Baltzly.
- Hst 407. **Seminar: Nineteenth-Century America.** 3 hours.
Eight-week session. Govan.
- Hst 407. **Seminar: Russia.** 3 hours.
Eight-week session. Kimball.
- Hst 407. **Seminar: Modern Europe.** 3 hours.
Eight-week session. Pierson.
- Hst 408. **Colloquium: Middle Ages.** 3 hours.
Eight-week session. Perrin.
- Hst 411. **History of Greece.** (G) 3 hours.
Eleven-week session. Political, social, and cultural history of the Hellenic world from the Mycenaens 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 422. **Middle Ages.** (G) 3 hours.
Eight-week session. From the Carolingians to 1100. Perrin.
- Hst 439. **Cultural and Intellectual History of Modern Europe.** (G) 3 hours.
Eight-week session. Major issues in the cultural and intellectual life of Europe since 1815. Concentration on the interaction between ontological inquiry, aesthetic expression, and social or political experience. Pierson.
- Hst 469. **Twentieth-Century England.** (G) 3 hours.
Eight-week session. Social, political, economic, and intellectual changes in Great Britain in the twentieth century. Smith.

- Hst 478. **History of the Pacific Northwest.** (G) 3 hours.
Eight-week session. Detailed study of the building of civilization in the Pacific Northwest. Prerequisite: Hst 201, 202 or consent of the instructor. Bingham.
- Hst 493. **Early National Period of American History.** (G) 3 hours.
Eight-week session. The age of Jackson. Govan.
- 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 Modern Europe.** 3 hours.
Eight-week session. Birn.
- Hst 507. **Seminar: Nineteenth-Century England.** 3 hours.
Eight-week session. Baltzly.
- Hst 507. **Seminar: Nineteenth-Century America.** 3 hours.
Eight-week session. Govan.
- Hst 507. **Seminar: Russia.** 3 hours.
Eight-week session. Kimball.
- Hst 507. **Seminar: Modern Europe.** 3 hours.
Eight-week session. Pierson.
- Hst 508. **Colloquium: Middle Ages.** 3 hours.
Eight-week session. Perrin.
- Hst 508. **Colloquium: Eighteenth-Century England.** 3 hours.
Eight-week session. Smith.
- Hst 508. **Colloquium: Communism.** 3 hours.
Eight-week session. Sorenson.

Home Economics

Assistant Professor: PELCH.

Instructor: NIXON.

- 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.
- HEc 225. **Nutrition.** 3 hours.
June 18-July 26. Practical study of daily food requirements for the maintenance of a high degree of vitality throughout life. Common nutritional problems; evaluation of information in the mass media.
- HEc 331. **Home Planning and Furnishing.** 3 hours.
Eight-week session. Principles involved in the planning and furnishing of a home in the contemporary world; scientific, aesthetic, and traditional factors.
- Ed 408. **Workshop: Nutrition Education in Action.** (g) 3 hours.
First two weeks, June 18-29. 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 breakfast-lunch programs and home eating habits; preparation of a teaching unit or related paper. Pelch.

Journalism

Professors : DUNCAN, HULTENG, WALES.

Associate Professors : FREEMESSER, NELSON, WEBB.

Assistant Professors : EWAN, HALVERSON, LEMERT, REA.

J 335. Photography. 3 hours.

Eight-week session. Study of principles of photography, emphasizing processing and printing of pictures. Lecture and laboratory. Freemesser.

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. Ewan, Wales.

J 403. Thesis. 1-3 hours.

Eight-week session.

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

Eight-week session.

J 407. Seminar: Science Writing. (G) 3 hours.

Eight-week session. Covering and writing news of science, medicine, and technology. Prerequisite: J 361. Lemert.

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

First three weeks: June 18-July 5. A special 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. Staff.

J 424. The Community Newspaper. (G) 3 hours.

Eight-week session. The weekly, semi-weekly and small daily newspaper in America; historical development and social role, past and present; problems of news and editorial policy peculiar to this distinctive form of journalism. 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, Wales.

J 462. Reporting II. (G) 4 hours.

Eight-week session. Newspaper reporting of legislative and executive governmental bodies; political news and other special news areas; civil and criminal courts and appellate procedure. Prerequisite: J 361. Halverson.

J 485. Law of the Press. (G) 3 hours.

Eight-week session. The constitutional guarantee of freedom of the press; legal status of the press as a private business and as a public utility; legal controls of publication; libel, right of privacy, copyright, contempt of court, censorship, and radio news regulation.

J 501. Research. 1-3 hours.

Eight-week session.

J 503. Thesis. 1-3 hours.

Eight-week session.

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

Eight-week session.

Librarianship

Visiting Faculty : REYNOLDS.

Professors : MERRITT, MORRISON.

Associate Professor : PIERRON.

Assistant Professors : FISHER, KEMPER.

Lib 411. Cataloging and Classification. (G) 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. Kemper.

Lib 421. Bibliography and Reference. (G) 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. Reynolds.

Lib 431. The Library in Society. (G) 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. Pierron.

Lib 432. The School Library as an Instructional Materials Center. (G) 3 hours.

Eight-week session. Introduction to school librarianship and to methods of organization and maintenance of effective materials-centered libraries in elementary and secondary schools. Kemper.

Lib 451. 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.

Lib 507. Seminar in Archival Administration. 3 hours.

Eight-week session. History of the archival profession. Historical development of practices and problems, with analysis of current trends in federal, state, local, business, church, and university archives. Archival processing, records management procedures, accession, arrangement, storage, and research use of archival source materials. Fisher.

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 411. Pierron.

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 421. Reynolds.

Lib 533. The Public Library. 3 hours.

Eight-week session. Administrative and service problems of public libraries, including collection building and maintenance, staffing, public relations with clientele and governing authority. Prerequisite: Lib 431. Merritt.

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.

Lib 571. Research in Librarianship. 3 hours.

Eight-week session. Survey of library literature, with attention to significant

research in librarianship; selection and definition of a project, collection of data, historical, experimental, and descriptive methods, evaluation of data, statistical concepts; values of research in librarianship. Morrison.

Lib 572. Library Automation. 3 hours.

Eight-week session. Flow of recorded information in library development and use, with emphasis on mechanical aids and systems of control. Data-processing techniques from punched cards to computers. Basics of systems analysis and evaluation as applied to library procedures. Prerequisite: Lib 411. Morrison.

Mathematics

Visiting Faculty: BAARTZ, DIVINSKY.

Professors: GHENT, A. MOURSUND, NIVEN.

Associate Professors: LOEB, MAIER, D. MOURSUND.

Assistant Professors: L. GROVE, LEAHY, VAN BUSKIRK.

Instructors: BEELMAN, HEILMAN, 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 these degrees at the Mathematics Office.

The department offers a master's degree especially suitable for secondary school mathematics teachers. The following courses are designed primarily for candidates for this 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 a large number of them in four summers. This summer Mth 457, Mth 459, Mth 468, Mth 487, Mth 488, and Mth 598 will be offered. Candidates for the degree must meet teacher certification requirements in Oregon or their home states.

Each summer the department also offers a selection of its regular undergraduate and graduate courses and seminars with considerable concentration on those of interest to teachers. See also the courses listed under MATHEMATICS INSTITUTES. A limited number of teachers who are not in the institutes may enroll for some of the courses with approval of the directors.

The department also offers a special master's degree suitable for community college, junior college, small college, and high school teachers which does not require the candidate to meet teacher certification requirements. The program for the degree consists of a combination of regular courses and the more advanced of the special courses listed above.

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 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 18-July 24.

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

First five and one-half weeks, June 18-July 24.

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

Second five and one-half weeks, July 25-August 30.

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

First five and one-half weeks, June 18-July 24.

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

Second five and one-half weeks, July 25-August 30.

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 25-August 30.

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. (g) Hours to be arranged.

Eight-week and eleven-week sessions.

Mth 407. Seminar: Undergraduate Research Participants. 12 hours.

Ten weeks, June 18-August 23. Selected topics for program participants only.

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 415. Introduction to Abstract Algebra.** (G) 3-4 hours.
 Eight-week and eleven-week sessions. Basic concepts of algebra; groups, rings, fields, the integers and other topics. Prerequisite: linear algebra or consent of instructor.
- Mth 417. Introduction to Abstract Algebra.** (G) 3-4 hours.
 Eight-week and eleven-week sessions. Theory of fields; extensions of fields, finite groups; Galois theory; the classical groups, and other topics. Prerequisite: two terms of Introduction to Abstract Algebra or consent of instructor.
- Mth 418. Differential Equations.** (g) 3-4 hours.
 Eight-week and eleven-week sessions. Linear differential equations, applications, systems of equations. Prerequisite: a year sequence in college calculus or consent of department.
- Mth 425. Elements of Statistical Methods.** (g) 3 hours.
 Eight-week session. Introductory course in statistics. Desk calculators available. Prerequisite: Mth 95 or one and one-half years of high-school algebra.
- Mth 433. Advanced Calculus.** (G) 3 hours.
 Eight-week and eleven-week sessions. Partial derivatives, multiple integrals, power series, applications. Prerequisite: consent of department.
- Mth 437. Introduction to Topology.** (G) 3-4 hours.
 Eight-week and eleven-week sessions. Elements of set theory, metric and topological spaces; connectedness and compactness; emphasis on those concepts of topology which are fundamental to advanced calculus. Prerequisite: calculus.
- 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 459. Foundations of Mathematics.** (g) 3 hours.
 Eight-week session. Second quarter of a two quarter course covering elementary logic and set theory, propositional calculus, algebra of sets, functions and relations, cardinal numbers, point sets on the real line. Prerequisite: Mth 458 or consent of department.
- Mth 468. Probability and Statistics.** (g) 3 hours.
 Eight-week session. Elementary probability theory; special emphasis on the binomial and normal probability functions; statistical inference. Prerequisite: consent of department.
- Mth 487. Geometry I.** (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 488. Geometry II.** (G) 4 hours.
 Eight-week session. Continuation of Geometry I. Prerequisite: Geometry I or consent of department.
- 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.

Mathematics Institutes

The University has been granted funds by the National Science Foundation, and will conduct the following Institutes all of which 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 about 85 high-school teachers and 28 college teachers.

Institute courses which parallel regular summer session courses already described are not again listed in this section. Some institute courses are open only to institute participants. Those open to a limited number of noninstitute teachers are designated with an asterisk (*).

Summer Institute in Mathematics for Secondary School Teachers. Professor A. F. Moursund, director.

*Mth 431. **Advanced Calculus.** (G) 4 hours.

Eight-week session. Real numbers, functions, limits, continuity, uniform continuity, derivatives, integrals, the fundamental theorem of the calculus. Prerequisite: a course in calculus. A. F. Moursund.

*Mth 461. **Irrational Numbers.** (g) 2 hours.

First four weeks, June 18-July 12. The place of the irrational numbers in the structure of our number system. Niven.

Mth 507. **Seminar.** 1-2 hours.

Eight-week session. Maier.

*Mth 598. **Complex Variable Theory.** 4 hours.

Eight-week session. Complex numbers, analytic functions, derivatives, integrals, Cauchy theory, fundamental theorem of algebra. Prerequisite: consent of department.

Summer Institute in Numerical Analysis and Computer Programming for High School Teachers of Mathematics. Professor D. G. Moursund, director.

Mth 428. **Introduction to Computer Programming.** (G) 4 hours.

Eight-week session. A comprehensive introduction to computers, computer programming, and data processing. Students will write programs to be run on the computer.

Mth 429. **Introduction to Numerical Analysis.** (G) 3 hours.

Eight-week session. Solution of functional equations including polynomial equations, solution of linear systems, Taylor series approximations, interpolating polynomial approximations, numerical differentiation and integration. Emphasis on methods suitable for use on a digital computer. D. G. Moursund.

Mth 464. **Foundations of Calculus.** (G) 3 hours.

Eight-week session. Emphasis on developing a combined theoretical and intuitive understanding of the basic ideas and goals of the calculus. Coordinated with the numerical analysis course.

Summer Institute for College Teachers in Mathematics. Professor A. F. Moursund, director.

*Mth 431, 432. **Mathematical Analysis.** (G) 8 hours.

Eight-week session. A course in the understanding of the calculus with extensions. Basic notions of elementary real variable theory treated rigorously but without frills. Functions, limits, continuity, uniform continuity; properties of monotonic and continuous functions; derivatives; Riemann integrals; the fundamental theorem of the calculus; convergence and uniform convergence of sequences and series; power series; applications. A. F. Moursund.

Mth 507. **Curriculum Seminar.** 2 hours.

Eight-week session. Discussion of undergraduate mathematics programs, C.U.P.M. recommendations, and other related topics; particular attention to junior college mathematics curricula. Maier, Niven.

Military Science and Aerospace Studies

Professor : CURTIS.

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.

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.

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 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

Professor : BAILEY.

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

Eleven-week session. Supervised individual studies covering portions of the

material in AS 300 and AS 400 series courses. Development of airpower in the U.S., aerospace power today, astronautics and space operations, Air Force leadership and military management. Corps Training. By special arrangement with professor of Aerospace Studies.

Music

Visiting Faculty: LONGARDT, MOE, PHILLIPS, WHEELER.

Professors: NYE, TROTTER, VAGNER.

Associate Professors: BREIDENTHAL, HAMILTON, LEE, MAVES, RISINGER, SALTZMAN, WHITFIELD.

Assistant Professors: BERGQUIST, CHODOS, LEWIS, MARTIN, MILLER, TUBB.

Instructor: HURWITZ.

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—Chodos.

String Instruments—Maves.

Voice—Miller.

Woodwind Instruments—Wheeler.

Organ, Harpsichord—Hamilton.

Brass Instruments—Lewis.

Mus 195. Band. 1 hour.

Eight-week session. Prerequisite: audition; consent of instructor. Vagner.

Mus 196. Orchestra. 1 hour.

Eight-week session. Prerequisite: audition; consent of instructor. Maves.

Mus 197. Chorus. 1 hour.

Eight-week session. Prerequisite: audition; consent of instructor. Risinger.

Mus 290. Performance Studies (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.

Mus 390. Performance Studies (Private Instruction). 2-4 hours.

Eight-week session. Prerequisite: proficiency required for satisfactory completion of Music 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 395. Band. 1 hour.

Eight-week session. Prerequisite: upper-division standing; audition. Vagner.

Mus 396. Orchestra. 1 hour.

Eight-week session. Prerequisite: upper-division standing; audition. Maves.

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.** 1 hour.
Eight-week session. Hurwitz.
- Mus 407. **Seminar: Class Performance in Piano.** 1 hour.
Eight-week session.
- Mus 407. **Seminar: Class Performance in Voice.** 1 hour.
Two sessions, June 18-July 12 and July 15-August 9.
- Mus 438. **Band Arranging.** (G) 3 hours.
Eight-week session. Scoring for larger combinations of wind instruments, including the concert band. Prerequisite: Mus 337. Lewis.
- Mus 440. **Composition II.** (G) 2 hours.
Eight-week session. Composition in larger forms for large instrumental combinations. Prerequisite: Mus 342. Tubb.
- Mus 450. **Listening with Understanding.** (g) 3 hours.
Eight-week session. Designed for undergraduate and graduate students with limited musical background. Not open to music majors or students with credit in Mus 201, 202, 203. Martin.
- Mus 459. **Wind-Instrument Literature.** (G) 3 hours.
Eight-week session. Survey of literature for brass instruments and woodwinds from the sixteenth century to post-World War II; emphasis on style as it affects performance and on the development of bases for critical judgment. Prerequisite: Mus 361. Vagner.
- Mus 467. **Hymnology.** (G) 3 hours.
Eight-week session. History and interpretation of the Christian hymn, both as literature and music; criteria for the selection of hymn texts and tunes; various denominational hymnals; the use of hymns in worship. Saltzman.
- Mus 485. **Advanced Conducting.** (G) 3 hours.
Eight-week session. Choral. Prerequisite: Mus 386 or Mus 388. Saltzman.
- Mus 490. **Performance Studies (Private Instruction).** 2-4 hours.
Eight-week session. Prerequisite: proficiency required for satisfactory completion of Mus 390; consent of instructor. For further information see Mus 190.
- Mus 493. **Collegium Musicum.** (G) 1 hour.
Eight-week session. Study of music literature of the mediaeval, Renaissance, and baroque periods through rehearsals and extensive sight reading; vocal and instrumental repertoire. Hurwitz.
- 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. Prerequisite: consent of dean.
- Mus 507. **Seminar.** Hours to be arranged.
Eight-week session.
- Mus 507. **Seminar: Baroque Performance Practices.** 3 hours.
Eight-week session. Hamilton.
- Mus 507. **Seminar: Instrumental Conducting.** 1 hour.
First six weeks, June 18-July 26. Vagner.

* No-grade course.

- Mus 511. Research Methods in Music.** 3 hours.
Eight-week session. Bibliographical studies and introduction to major sources of music and information about music. Bergquist.
- 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. Martin.
- Mus 561. Music in the Renaissance.** 3 hours.
Eight-week session. The influence of Italian humanism on continental and English styles. Poetic and musical practice in mass, motet, and secular choral song. Notational developments; music printing. Luther and music; neo-Aristotelian rhetorical theory; Counter-Reformation in Rome and Venice. Hamilton.
- Mus 564. Music in the Romantic Era.** 3 hours.
Eight-week session. The heritage of Beethoven; virtuosic and lyric extremes in instrumental and vocal styles. Literary romanticism, descriptive music and the *Lied*; opera in France and Italy; Wagner's music drama as *Gesamtkunstwerk*; the composer as philosopher, critic, and political figure; the rise of music nationalism; Wagnerism in France; symbolism and Debussy. Bergquist.
- Mus 590. Performance Studies (Private Instruction).** 2-4 hours.
Eight-week session. Prerequisite: proficiency required for satisfactory completion of Mus 490; sufficient talent to justify the undertaking of graduate studies in performance; jury audition. For further information see Mus 190.
- Mus 591. Performance Studies (Private Instruction).** 1 hour. (3 hours maximum).
Eight-week session. For graduate students not specializing in performance. Prerequisite: proficiency required to complete Mus 290; jury audition. For further information see Mus 190.
- Mus 592. Performance Studies (Private Instruction).** (p) 1 hour. (3 hours maximum).
Eight-week session. For graduate students who need instruction in a supplementary performance area. Prerequisite: proficiency in another instrument or voice required for admission to Mus 390 or Mus 391; jury audition. For further information see Mus 190.
- Mus 595. Band.** 1 hour.
Eight-week session. Prerequisite: upper-division standing; audition. Vagner.
- Mus 596. Orchestra.** 1 hour.
Eight-week session. Prerequisite: upper-division standing; audition. Maves.
- Mus 597. Chorus.** 1 hour.
Eight-week session. Prerequisite: upper-division standing; audition. Risinger.

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.
- 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 407. Seminar: Teaching Music Literature in the High School.** (G) 2 hours.
First four weeks, June 18-July 12. Whitfield.

MuE 408. Workshop: First Steps To Music. (G) 2 hours.

Two weeks July 8-19. A laboratory demonstration workshop in which a group of children from 6 to 8 years of age will be introduced to music. Opening the doors to music through fancy, imagination, and play. Longardt.

MuE 408. Workshop: Use of the Recorder and Instruments for Children. (G) 2 hours.

Two weeks, July 8-19. A workshop in the use of simple instruments in the elementary grades. Practice in the use of the recorder and other instruments for elementary teachers. Longardt.

MuE 408. Workshop: Scoring for Marching, Stage, and Pep Bands. (G) 2 hours.

One week, July 22-26. A practical workshop designed for the high school and college band director. Methods, techniques, and new ideas in scoring show tunes, ballads, and marches for wind ensembles. Fees in addition to tuition, \$22.50. Phillips and staff.

***MuE 408. Workshop: The Performance of Contemporary Choral Music.** (G) 2 hours.

One week, July 29-August 2. A study of the literature and performance problems of contemporary choral music; for choral conductors in schools, churches and the community. Fees in addition to tuition, \$22.50. Moe and staff.

MuE 444. Choral Materials for Schools. (G) 2 hours.

Eight-week session. Repertoire for choral groups in secondary schools; problems of leadership, presentation, organization, and program planning. Prerequisite: consent of instructor. Saltzman.

MuE 501. Research. Hours to be arranged.

Eight-week session.

MuE 503. Thesis. Hours to be arranged.

Eight-week session.

MuE 505. Reading and Conference. Hours to be arranged.

Eight-week session. Prerequisite: consent of dean.

MuE 507. Seminar. Hours to be arranged.

Eight-week session.

MuE 507. Seminar: Music Education. 2 hours.

First four weeks, June 18-July 12. Whitfield.

MuE 507. Seminar: Music Education. 2 hours.

Eight-week session. Wheeler.

MuE 508. Workshop: Educational Rhythmics and Motor Development for Exceptional Children. 8-9 hours.

Four weeks, June 17-July 12. Methods and materials relating to motor development, recreation, adapted physical education, music, and other nonverbal learning for exceptional children. Includes practica with children. Preregistration required. Staff.

MuE 532. Basic Concepts in the Teaching of Music. 3 hours.

First four weeks, June 18-July 12. Principles and issues in the teaching of music at all levels. Nye.

MuE 533. Music in the Elementary School. 3 hours.

Eight-week session. Theory, supervision, curriculum, materials, and procedures of vocal-music teaching in the elementary school. Martin.

MuE 536. Administration of School Music. 3 hours.

Eight-week session. Principles underlying a sound policy in the administration of school music programs; budgets, personnel, curriculum, facilities. Wheeler.

* No-grade course.

- MuE 591. **Advanced Pedagogy.** 3 hours.
First four weeks, June 18-July 12. Voice. Breidenthal.
- MuE 591. **Advanced Pedagogy.** 3 hours.
Eight-week session. Theory. Hurwitz.
- MuE 591. **Advanced Pedagogy.** 3 hours.
First four weeks, June 18-July 12. Brass. Lee.
- MuE 591. **Advanced Pedagogy.** 3 hours.
Eight-week session. Strings. Maves.

Philosophy

Visiting Faculty: DILMAN.
Professor: EBERSOLE.
Associate Professors: ALEXANDER, COOK.
Assistant Professors: LEVI.
Instructors: GEDDES.

- Phl 201. **Problems of Philosophy.** 3 hours.
Eight-week session. An introduction to philosophical problems through the study of philosophical classics. Geddes.
- Phl 339. **Introduction to Philosophy of Science.** 3 hours.
Eight-week session. Analysis of basic concepts of science such as "explanation," "chance," "causation," etc. Nature of mathematics and its relation to science. Staff.
- Phl 361. **Ethics.** 3 hours.
Eight-week session. Study of the most important traditional ethical theories; modern philosophical analysis of moral terms and statements. Geddes.
- Phl 407. **Seminar.** (G) 3 hours.
Eight-week session. Dilman.
- *Phl 501. **Research.** Hours to be arranged.
Eight-week session. Staff.
- *Phl 503. **Thesis.** Hours to be arranged.
Eight-week session. Cook, Levi, Alexander.
- Phl 505. **Reading and Conference.** Hours to be arranged.
Eight-week session. Staff.
- Phl 507. **Seminar.** 3 hours.
Eight-week session. Dilman.

Physics

Professor: POWELL.

- GS 104. **Physical Science Survey (First Term).** 4 hours.
Eight-week session. General introduction to the physical sciences; principles of physics and chemistry, and man's relation to them. Emphasis on scientific method.

* No-grade course.

Ph 418. **Nuclear Physics.** (g) 3 hours.

Eight-week session. 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: Selected Topics.** 4 hours.

Eight-week session.

Political Science

Professors : DAVIES, SCHLEICHER.

Assistant Professors : ALLMAN, HANHARDT, SHIVELY, ZANINOVICH.

Visiting Professor : BECHTOLD.

PS 206. **Introduction to Political Science.** 3 hours.

Eight-week session. What political science is about: its basic concerns, fields, and methods of study. J. Allman.

PS 312. **Introduction to Comparative Politics.** 3 hours.

Eight-week session. Analysis of major concepts and approaches in the study of comparative government and politics. Required of majors. Hanhardt.

PS 407. **Seminar: Contemporary Problems of Southern Asia.** 3 hours.

Eight-week session. The social, economic, and political institutions and problems of contemporary India. Schleicher.

PS 407. **Seminar: Western European Politics.** 3 hours.

Eight-week session. Politics in various European democracies and the United States, examined from the point of view of the place of political conflict in a democracy, and the extent of political participation in democracies. Shively.

PS 407. **Seminar: Authoritarianism.** 3 hours.

Eight-week session. A comparative study of a broad range of totalitarian and authoritarian political systems, including communist, fascist, modern and traditional dictatorships. Also, considerations about the existence of authoritarian phenomena in contemporary democracies. Bechtold.

PS 411. **World Politics.** (G) 3 hours.

Eight-week session. Systematic analysis of the nature of international society, and of the motivating and conditioning factors which explain interaction among states and other international entities. Required of majors. Schleicher.

PS 430. **Political Theory: General Issues.** (G) 3 hours.

Eight-week session. Various approaches suggested by selected political theorists, past and present; problem of knowledge as it relates to politics for practitioner and scientist; various modes of transmitting ideas about the nature of political experience; relation between political knowledge and political activity. Zaninovich.

PS 475. **Political Revolution.** (G) 3 hours.

Eight-week session. Analysis of causes of revolution, using historical, psychological, and sociological data to explain how violent changes in political power come about. Analysis of specific past revolutions in the search for common phenomena and general theory. Davies.

- PS 507. **Seminar: Contemporary Problems of Southern Asia.** 3 hours.
Eight-week session. The social, economic, and political institutions and problems of contemporary India. Schleicher.
- PS 507. **Seminar: Western European Politics.** 3 hours.
Eight-week session. Politics in various European democracies and the United States.
- PS 507. **Seminar: Authoritarianism.** 3 hours.
Eight-week session. A comparative study of a broad range of totalitarian and authoritarian political systems, including communist, fascist, modern and traditional dictatorships. Also, considerations about the existence of authoritarian phenomena in contemporary democracies. Bechtold.

Psychology

Professor : LITTMAN.

Assistant Professors : ADKINS, FAGOT, SHEPPARD.

- Psy 211, 215, 218. **General Psychology.** 3 hours each term.
- Psy 211. *Learning and Thinking.* 3 hours.
First four weeks, June 18-July 12. Introduction to the principles underlying the acquisition, retention, and utilization of information and behavior.
- Psy 215. *Social Psychology.* 3 hours.
Second four weeks, July 15-August 9. 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 12-30. 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 18-July 12. Integrated with Psy 211.
- Psy 216. *Psychology Laboratory (Second Term).* 1 hour.
Second four weeks, July 15-August 9. Integrated with Psy 215.
- Psy 219. *Psychology Laboratory (Third Term).* 1 hour.
Three weeks, August 12-30. 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.** (g) Hours to be arranged.
- Psy 436. **Character and Personality.** (g) 3 hours.
Eight-week session. An intensive study of selected topics in personality theory and related research. Prerequisites: 9 hours in psychology or consent of instructor.
- Psy 437. **Social Psychology.** (g) 3 hours.
Eight-week session. The relationship of the individual to his social environ-

ment, 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.

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.

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.

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

Psy 508. **Clinical Work with Children.** 3 hours.

Eight-week session. Work in the University Psychology Clinic. Enrollment limited. Prerequisites: Psy 530, 531; consent of instructor.

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.

Religious Studies

Associate Professor: BLOOM.

R 302. **Religions of Mankind.** 3 hours.

Eight-week session. Oriental religions: Hindu-Buddhist, and Confucian-Taoist, 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.

Romance Languages

Visiting Faculty: MERCIÉ, CAYUELA-MIRÓ.

Associate Professor: HATZANTONIS.

Assistant Professor: BIRN.

Instructors: B. ARCHIBALD, BECK, BEIT-ISHOO, CASAGRANDE, CONAWAY, COOPER, CURLAND, DE LA FUENTE, G. PURVIS, RIVERA.

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. B. Archibald, Conaway, G. Purvis.
- RL 50. *First-Year French (First Term).* 4 hours.
First four weeks, June 18-July 12.
- RL 51. *First-Year French (Second Term).* 4 hours.
Second four weeks, July 15-August 9.
- RL 52. *First-Year French (Third Term).* 3 hours.
Three weeks, August 12-30.
- 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, Beit-Ishoo.
- RL 101. *Second-Year French (First Term).* 4 hours.
First four weeks, June 18-July 12.
- RL 102. *Second-Year French (Second Term).* 4 hours.
Second four weeks, July 15-August 9.
- RL 103. *Second-Year French (Third Term).* 3 hours.
Three weeks, August 12-30.
- RL 303. **Survey of French Literature.** 3 hours.
Eight-week session. The principal French authors from 1850 to the present. Flaubert, Baudelaire, Verlaine, Valéry, Proust, Sartre, Camus, Robbe-Grillet, Ionesco, and others. Equivalent to the third term of Survey of French Literature offered during the regular academic year. R. Birn.
- 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. Beit-Ishoo.
- RL 407. **Seminar: Twentieth-Century French Poetry.** (G) 3 hours.
Eight-week session. Intensive study of representative works of Péguy, Valéry, Apollinaire, and of selections from the writings of their principal contemporaries. B. Birn.
- RL 417. **Nineteenth Century French Poetry.** (G) 3 hours.
Eight-week session. Study of principal Romantic and Parnassian poets, Baudelaire, and other major figures of the latter part of the century. Conducted in French. Mercié.
- RL 467. **Advanced French Composition.** 3 hours.
Eight-week session. Translation of modern literary texts into French and writing of original themes. Special attention to the needs of teachers and prospective teachers. Conducted in French. Prerequisite; completion of RL 314, 315, 316, or the equivalent. Mercié.
- 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: Twentieth-Century French Poetry.** 3 hours.
Eight-week session. Intensive study of representative works of Péguy, Valéry, and Apollinaire, and of selections from the writings of their principal contemporaries. R. Birn.

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, G. Purvis.

Italian**RL 70, 71, 72. First-Year Italian.** 4 hours first two term, 3 hours third term.

Grammar, pronunciation, composition, and translation of modern authors. Equivalent of First-Year Italian given during regular academic year. Casagrande.

RL 70. *First-Year Italian (First Term)*. 4 hours.
First four weeks, June 18-July 12.

RL 71. *First-Year Italian (Second Term)*. 4 hours.
Second four weeks, July 15-August 9.

RL 72. *First-Year Italian (Third Term)*. 3 hours.
Three weeks, August 12-30.

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 18-July 12.

RL 105. *Second-Year Italian (Second Term)*. 4 hours.
Second four weeks, July 15-August 9.

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. Rivera, De la Fuente.

RL 60. *First-Year Spanish (First Term)*. 4 hours.
First four weeks, June 18-July 12.

RL 61. *First-Year Spanish (Second Term)*. 4 hours.
Second four weeks, July 15-August 9.

RL 62. *First-Year Spanish (Third Term)*. 3 hours.
Three weeks, August 12-30.

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. Cayuela-Miró.

- RL 107. *Second-Year Spanish (First Term)*. 4 hours.
First four weeks, June 18-July 12.
- RL 108. *Second-Year Spanish (Second Term)*. 4 hours.
Second four weeks, July 15-August 9.
- RL 109. *Second-Year Spanish (Third Term)*. 3 hours.
Three weeks, August 12-30.
- RL 440. **Nineteenth-Century Spanish Literature: Drama.** (G) 3 hours.
Eight-week session. Reading and study of representative plays. Conducted in Spanish. Prerequisite: Survey of Spanish Literature or equivalent. Beck.
- RL 461. **Advanced Composition and Conversation.** (G) 3 hours.
Eight-week session. Special attention to the needs of teachers and prospective teachers. Prerequisite: RL 347, 348, 349 or equivalent. Conducted in Spanish. Cayeula-Miró.
- RL 503. **Thesis.** Hours to be arranged.
Eight-week session.
- RL 505. **Reading and Conference.** Hours to be arranged.
Eight-week session. Beck.
- 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, G. Purvis.

Sociology

Visiting Faculty: CRICHTON, MACK.

Professors: BERREMAN, ELLIS.

Associate Professors: JOHANNIS, RODGERS.

Instructors: FASHING, IRLE, STEPHAN.

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 18-July 12.

Soc 205. *General Sociology (Second Term)*. 3 hours.
Second four weeks, July 15-August 9.

Soc 206. *General Sociology (Third Term)*. 3 hours.
Three weeks, August 12-30.

Soc 301. **American Society.** 3 hours.

Eight-week session. 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. Fashing.

Soc 304. **The Community.** 3 hours.

Three weeks, August 12-30. Analysis of the structure and organization of human communities. Prerequisite: Soc 204, 205 or Soc 300. Irlé.

- Soc 334. **Social Psychology.** 3 hours.
Eight-week session. Analysis of psychological processes in relation to social situations. How languages, perception, learning, thinking, motivation, and attitudes determine and result from social interaction and group processes. Prerequisite : Soc 204, 205 or Soc 300. Ellis.
- Soc 342. **Social Organization.** 3 hours.
Eight-week session. Introduction to sociological theory. Prerequisite : Soc 204, 205, 206. Stephan.
- Soc 401. **Research.** Hours to be arranged.
First four weeks ; second four weeks.
- Soc 403. **Thesis for Honors Candidates.** Hours to be arranged.
Eight-week session.
- Soc 405. **Reading and Conference.** Hours to be arranged.
First four weeks ; second four weeks.
- Soc 445. **Sociology of Race Relations.** (g) 3 hours.
Eight-week session. The development of "race consciousness" and emergent problems of race-culture contacts. Prerequisite : introductory course in sociology, anthropology, or psychology. Mack.
- Soc 447. **Industrial Sociology.** (G) 3 hours.
Eight-week session. The social structure of industry, the sociology of labor unionism and industrial relations, as influenced by changing political and technological factors, including a comparative analysis of industry and society and industrial relations systems in the developed and developing countries. Crichton.
- Soc 490. **Sociology of Leisure.** (G) 3 hours.
First four weeks. Sociological analysis of nonwork time and leisure behavior ; the relationship between patterns of use of nonwork time and leisure and other social institutions. Prerequisite : 12 hours in sociology. Johannis.
- Soc 501. **Research.** Hours to be arranged.
First four weeks ; second four weeks.
- Soc 503. **Thesis.** Hours to be arranged.
First four weeks ; second four weeks.
- Soc 505. **Reading and Conference.** Hours to be arranged.
First four weeks ; second four weeks.
- 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: Social Stratification.** 2 hours.
Eight-week session. Examination of recent developments in the social stratification field. Mack.
- Soc 507. **Seminar: Sociology of Higher Education.** 2 hours.
Eight-week session. A critical appraisal of the current literature on the structure and functions of higher education in the United States. Ellis.

Speech

Professors : ALY, NOBLES, ROBINSON.

Associate Professors : CHRISTENSEN, DECHAINED, KRETSINGER, MONTGOMERY.

Assistant Professors : CARMICHAEL, FIBIGER, KADLEC, MERTZ, RYAN, SHERRIFFS.

Instructors : HALLETT, HERVEY.

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.
- Sp 322. **Persuasion.** 3 hours.
Eight-week session. Principles of effective persuasion, with special attention to audience motivation and response. Nobles.
- Sp 407. **Seminar.** Hours to be arranged.
Eight-week session.
- Sp 407. **Seminar: History of Speech Education.** 3 hours.
Eight-week session. Montgomery.
- Sp 407. **Seminar: Problems of Teaching Speech.** 3 hours.
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 423. **American Oratory.** (G) 3 hours.
Eight-week session. Study of American Oratory to 1840. 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: History of Speech Education.** 3 hours.
Eight-week session. Montgomery.
- Sp 507. **Seminar: Problems of Teaching Speech.** 3 hours.
Eight-week session. Montgomery.
- Sp 507. **Seminar: Persuasion.** 3 hours.
Eight-week session. Nobles.
- Sp 507. **Seminar: Directing the Forensics Program.** 3 hours.
Eight-week session. Nobles.
- Sp 507. **Seminar: Attitude Formation and Change.** 3 hours.
Eight-week session. Carmichael.
- Sp 507. **Seminar: Communication Research Methods.** 3 hours.
Eight-week session. Carmichael.

Radio and Television Broadcasting

- Sp 407. **Seminar.** Hours to be arranged.
Eight-week session.
- Sp 445. **Radio-Television Direction.** (G) 3 hours.
Eight-week session. Theory and technique involved in the broadcasting directional assignment. Practice in directing typical formats developed for radio and television.

- Sp 448. **Radio and Television and the Public.** (G) 3 hours.
Eight-week session. The influence and importance of broadcasting as a social, political, and cultural force; the development of broadcasting; public-service broadcasting; the rights and duties of listeners; public opinion and propaganda influence.
- 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: Problems of Education by Television.** 3 hours.
Eight-week session.
- Sp 508. **Workshop: Educational Television.** 4 hours.
Section one, June 10-21. Section two, August 12-23. 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 544. **Radio-Television Program Evaluation.** 3 hours.
Eight-week session. Background and development of broadcast measurements; experimental and survey procedures applicable to the testing of hypotheses in these media.

Speech Pathology and Audiology

- Sp 370. **Phonetics.** 3 hours.
Eight-week session. Study of sounds used in speech. Determination of sounds; their acoustic nature; their production; physical and psychological problems involved in their perception; sectional differences. Hervey.
- Sp 407. **Seminar.** Hours to be arranged.
Eight-week session.
- Sp 407. **Seminar: Teaching of Lip Reading.** 3 hours.
Eight-week session. Christensen.
- Sp 481. **Speech Pathology.** (G) 3 hours.
Eight-week session. Functional articulatory defects, delayed speech, emotional speech disorders. 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.) Christensen, Ryan, Hervey.
- Sp 487. **Audiology.** (G) 3 hours.
Eight-week session. The auditory function, hearing impairment, and the speech education or re-education of persons with hearing loss. Christensen.
- 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. Christensen, Ryan.
- Sp 507. **Seminar: Aphasia.** 3 hours.
Eight-week session.
- Sp 507. **Seminar: Speech and Language Development.** 3 hours.
Eight-week session.
- Sp 507. **Seminar: Cleft Palate.** 3 hours.
Eight-week session. Ryan.

Theater

- Sp 229. **Interpretation.** 2 hours.
Eight-week session. The application of the principles of oral reading to literature.
- 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.
- 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: Theater Management.** 3 hours.
Eight-week session.
- 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.
- Sp 407. **Seminar: Advanced Technical Practice.** 3 hours.
Eight-week session.
- Sp 407. **Seminar: Directing.** 3 hours.
Eight-week session.
- Sp 407. **Seminar: Costume Design.** 3 hours.
Eight-week session.
- Sp 437. **Contemporary Drama.** 1-2 hours.
- Sp 461. **Introduction to Scene Design.** (G) 3 hours.
Eight-week session. Basic principles and techniques of theatrical design for the school and community theater.

- Sp 464. **History of the Theater.** (G) 3 hours.
Eight-week session. An historical study of the theater from ancient to modern times.
- 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 Technical Practice.** 3 hours.
Eight-week session. (See Sp 407, *Seminar: Advanced Technical Practice*)
- Sp 507. **Seminar: Theater Management.** 3 hours.
Eight-week session. (See Sp 407, *Seminar: Theater Management*)
- 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: Introduction to Graduate Study.** 3 hours.
Eight-week session.
- Sp 507. **Seminar: Advanced Acting.** 3 hours.
Eight-week session. (See Sp 407, *Seminar: Advanced Acting.*)
- Sp 507. **Seminar: Directing.** 3 hours.
Eight-week session. (See Sp 407, *Seminar: Directing*)
- Sp 507. **Seminar: Costume Design.** 3 hours.
Eight-week session. (See Sp 407, *Seminar: Costume Design*)
- 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 tenth year at the University, brings to the campus a unique offering in the area of contemporary art. Beginning June 18, 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.

For a copy of the Summer Academy program, mail the correspondence card in the back of this bulletin. The program booklet will be available about May 1.

- Mus 440. **Contemporary Music.** (G) 1-2 hours.
- Art 437. **Contemporary Art.** (G) 1 hour.
- Eng 440. **Contemporary Literature.** (G) 1-2 hours.
- Sp 437. **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 11-18, 1968. The theme of this session is "Understanding Contemporary America." Two programs are offered: one is concerned with human relations, the other with changing perceptions of values.

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; John MacGregor, assistant professor of sociology and a specialist in social psychology; and Robert L. Peterson, professor of history from the University of Montana who specializes in economic history. In addition to this faculty, each day at least two professors will lecture on his specialty and join Vacation College students in lunch and dinner conversations. These specialists are Joseph M. Allman, political scientist; Edwin G. Ebbighausen, astronomer; David G. Foster, artist; G. Benton Johnson, sociologist; James R. Klonoski, political scientist; June G. Pattulo, oceanographer (Oregon State University); Roy H. Rodgers, sociologist; Lawrence W. Ross, Jr., lawyer; Frederick J. Seubert, expert in personnel management and training; Norman D. Sundberg, psychologist; Herbert W. Titus, lawyer; Saul Toobert, counselor and clinical psychologist.

A fee of \$135.00 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 \$90.00. 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.

Sand-blasted concrete panels on University science building by Harold Balazs, Spokane artist.



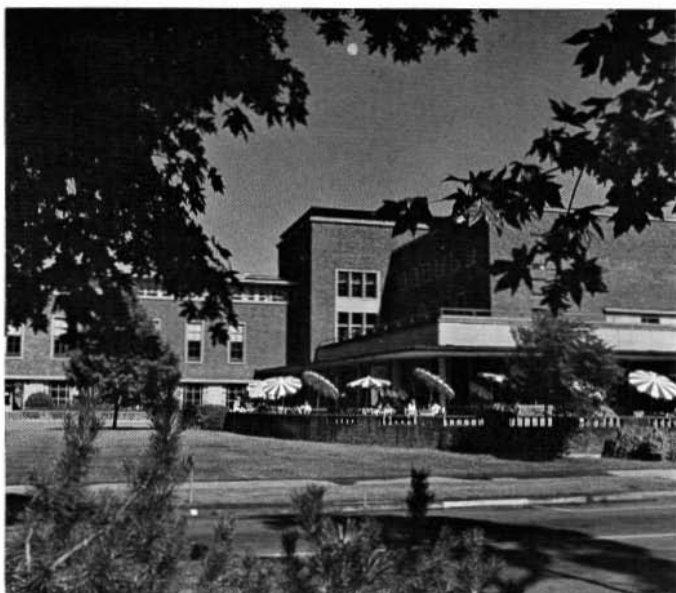
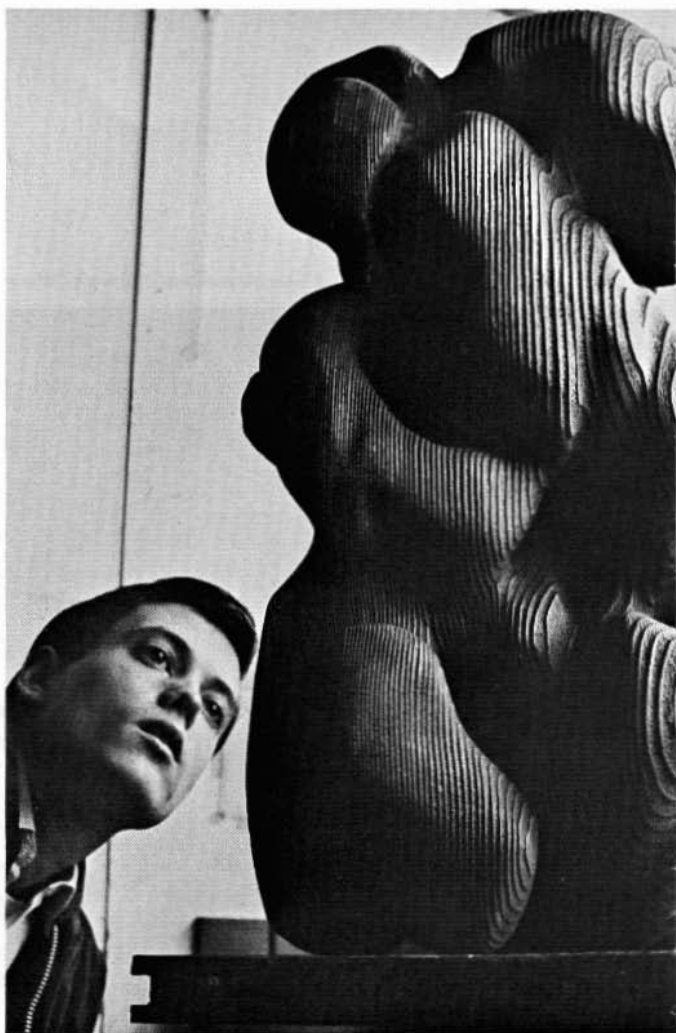
The University in Summer

THE ERB MEMORIAL UNION :

During the summer, as throughout the school year, the Erb Memorial Union is the center of extracurricular activity. The 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 Union provides bowling, billiards, shuffleboard, and table tennis. Gymnasium facilities are available for summer students except when they are being used for classes.

A number of tours to many of Oregon's scenic areas are planned each summer by the Union. These include a one-day trip to the coast, a week-end trip to the Rogue River, a trip to Crater Lake, and the Shakespearean Festival in Ashland.

Art exhibits, lectures, concerts, and luncheon discussions also are sponsored by the Union during the summer.





COMPUTER CENTER: The University's computing facilities include a recently acquired IBM 360-50 computer and associated off-line equipment. The Computing Center staff is available for advice and offers courses ranging from beginning computing to advanced numerical analysis. The courses are available for summer session students through the Department of Mathematics.

THE ARTS IN SUMMER: Music, the dance, literature, art, and the theater are brought together each summer during the popular Summer Academy of Contemporary Arts program. Students may enroll for credit in any area of the program or attend the public performances given at the close of each two-week session. See page 95 for additional details. Extensive course offerings are available at all levels in each of these areas during the summer.





CARNIVAL THEATRE: Carnival Theatre is a summer repertory company operating as an independent organization. The summer of 1968 will be its seventh season.

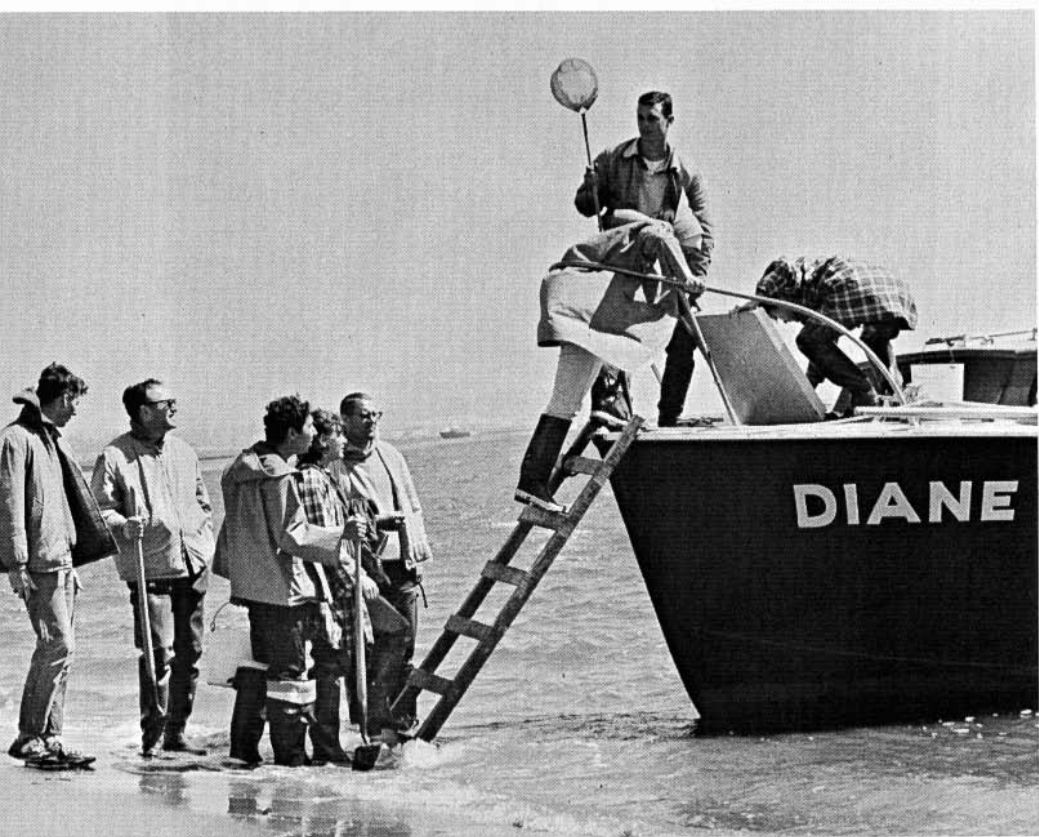
Carnival Theatre offers a nine-week session of concentrated theater activity with all types of participation: acting, directing, scenic design, theater management, costuming, scene building, painting, and lighting under an experienced professional staff in a well-equipped plant. Some course work for credit is offered in connection with the various Carnival Theatre activities.

Performances are presented almost nightly,

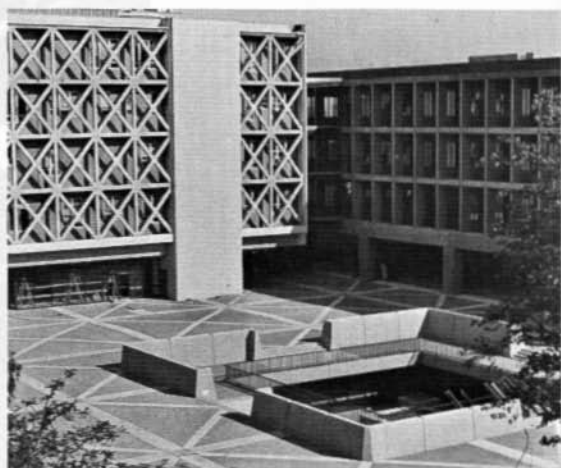
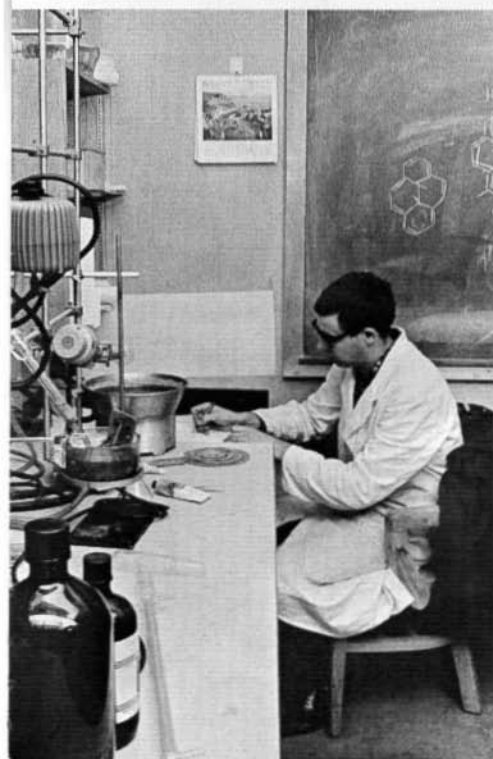
with a new play opening each week—rehearsal and preparation each afternoon. The repertoire of comedy, drama, and musical productions supplies diverse entertainment at special reduced rates for summer session students.

Approximately 50 persons make up the company, including guest stars, professional directors and technicians, salaried actors, singers, dancers, technicians, and business personnel.

The theatre, which seats about 400 persons, is located outdoors in a natural amphitheater directly adjacent to the University Theatre (Villard Hall) on campus.

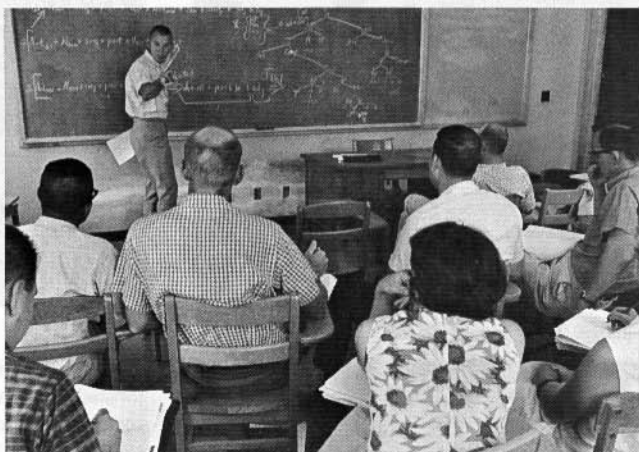


Research programs in campus laboratories and in the field are available for graduate and advanced undergraduate students in the physical sciences. The students above are boarding a charter boat operated by the Oregon Institute of Marine Biology at Charleston.



Science facilities at the University are located in a modern complex of interconnected buildings which is intended eventually to form a quadrangle surrounding the Science Library. Three sides of the quadrangle are complete; the latest of these, a \$5 million structure, is occupied by the Chemistry and Biology Departments. The Department of Physics recently acquired a 24-inch reflector telescope which is located at the Pine Mountain Observatory near Bend.

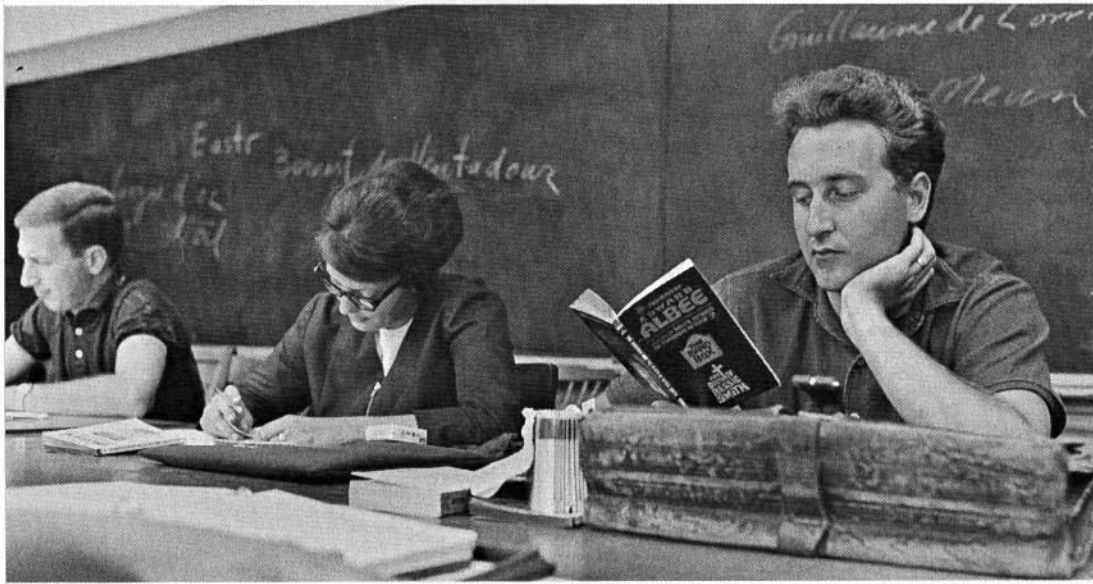




EDUCATION: The School of Education summer curriculum covers a wide range of courses in teacher education, counseling, remedial education, educational psychology, and educational administration. In addition, an NDEA institute in reading, several special workshops focusing upon recent innovations and developments in education, and a number of practica also are available for summer students.

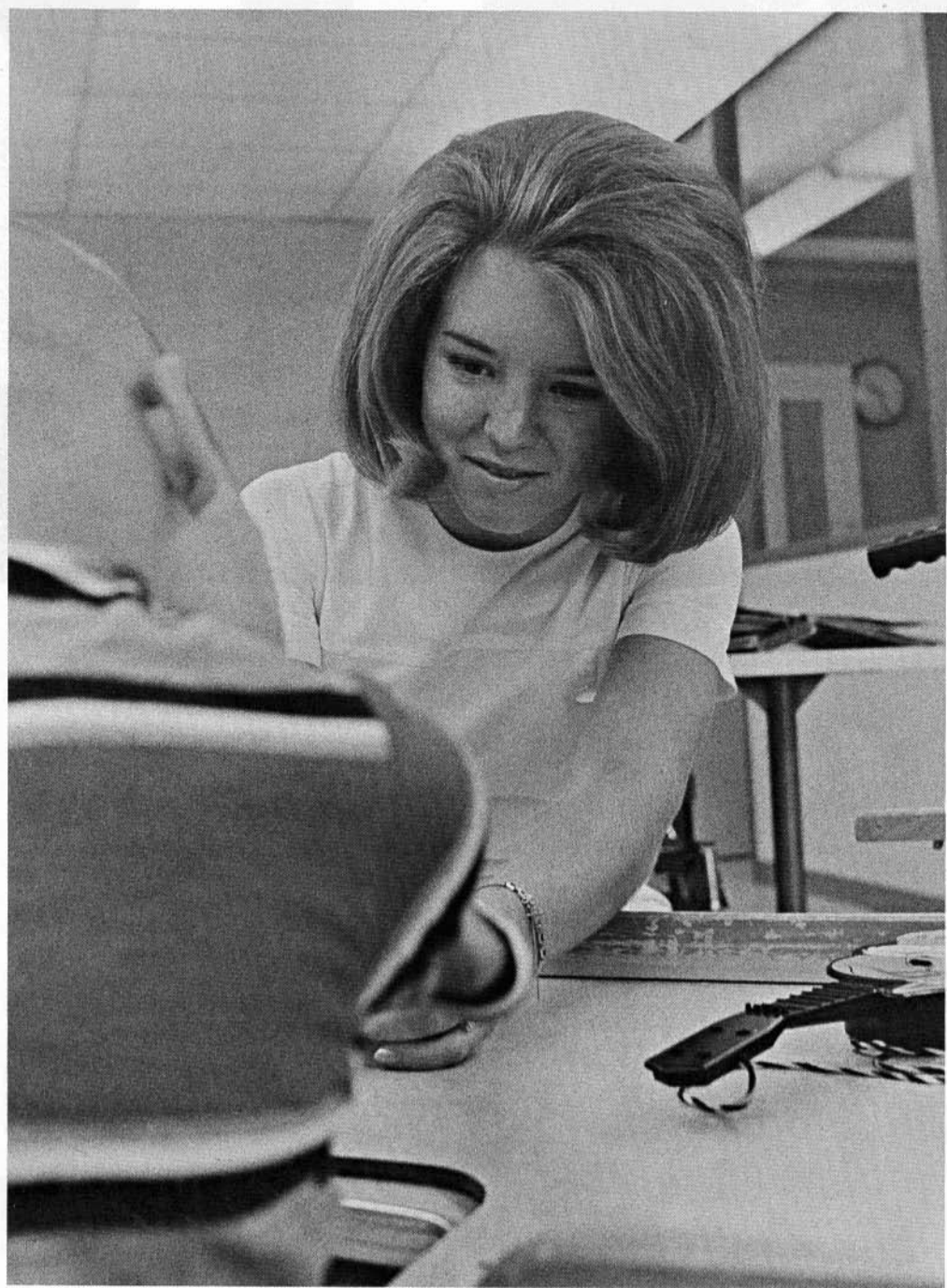


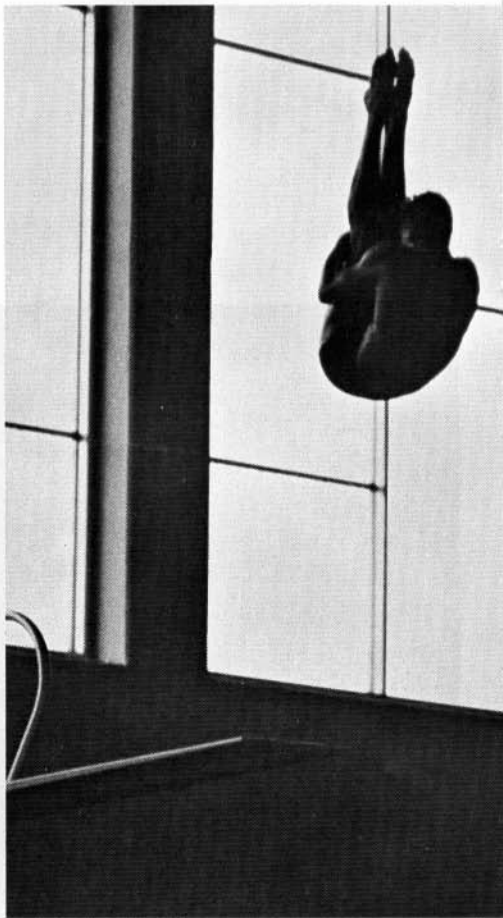
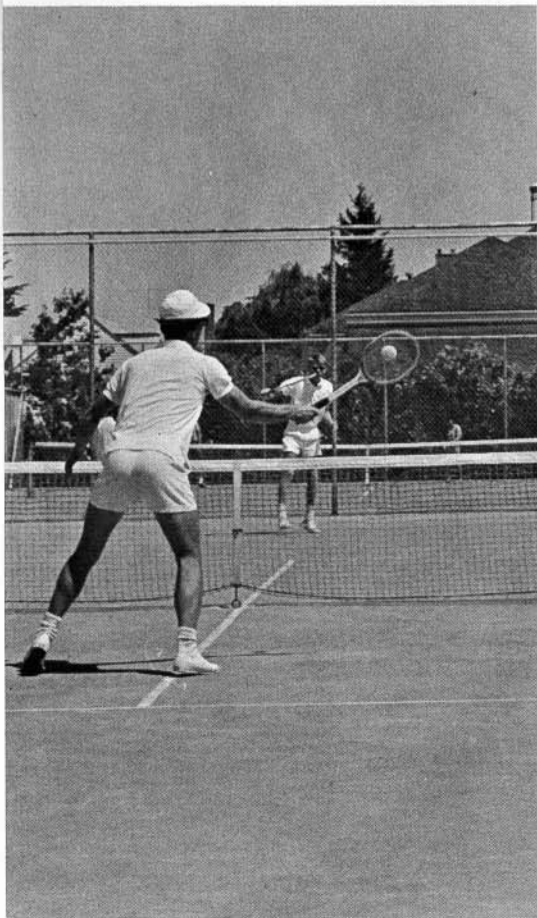
The summer humanities and social science curriculum offers a wide range of courses for students either continuing their academic program on a year-round basis or for the summer only.



Prince Lucien Campbell Hall is one of the latest additions on the University campus.

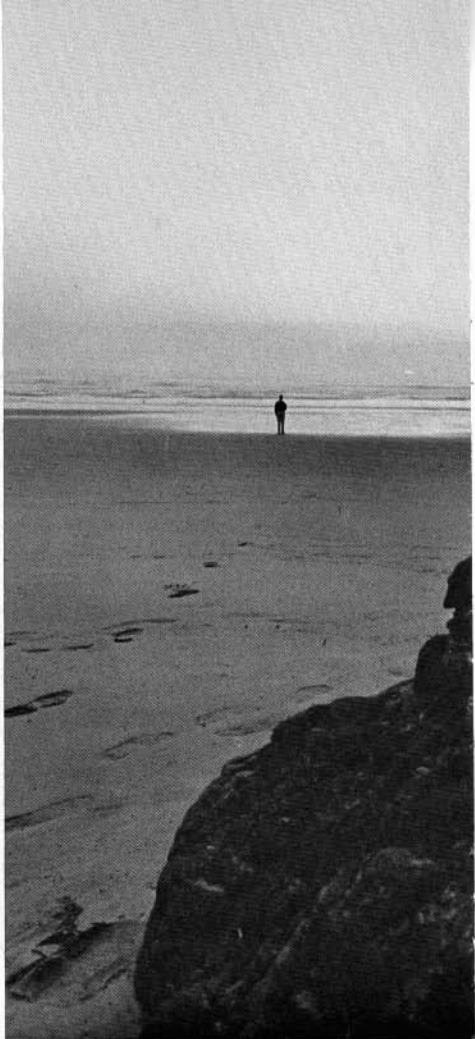
In some departments there are opportunities to engage in field research experiences in public and private agencies around the state.





Recreational activities are abundant for the summer session student. Tennis, golf, swimming, and canoeing are a few which are enjoyed by many students each summer. Each of these activities also is offered by the Department of Physical Education.



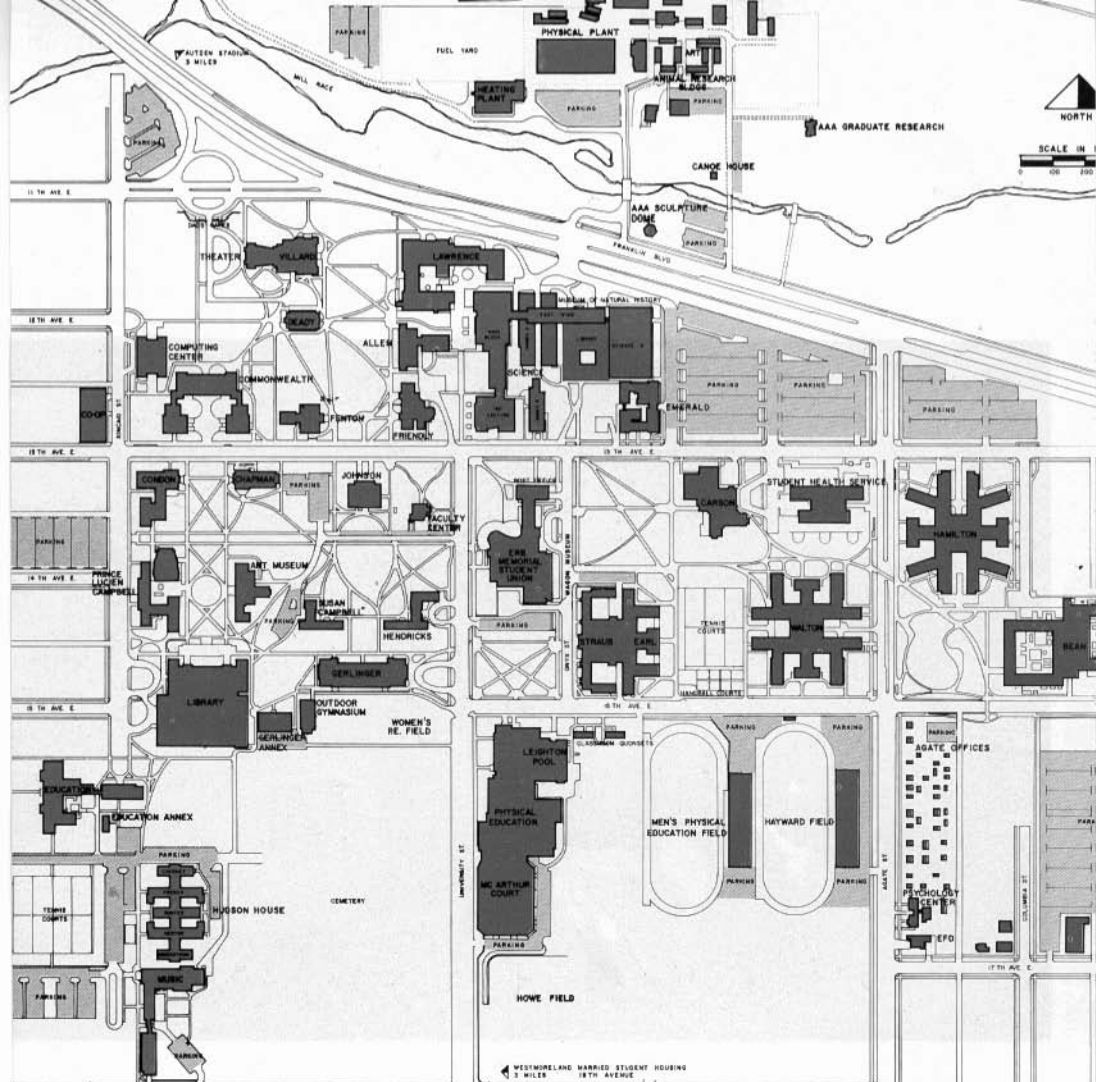


While studies will be foremost on your program, summer is an ideal time to enjoy the scenic attractions of Oregon. The coast is about an hour's drive from Eugene, the Cascade Mountains are eighty miles to the east, and Portland is less than a two hour drive to the north.

Eugene and the surrounding area offer 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.



Aerial view of the University campus.
(See reverse side for campus map
and directory)



CAMPUS MAP AND DIRECTORY

Academic Advising	140	Hendricks
Admissions	201	Emerald
Alumni Office	Susan Campbell	
Anthropology	209	Commonwealth
Architecture and Allied Arts	102	Lawrence
Athletics	McArthur Court	
Biology	361	Science
Business Administration	262	Commonwealth
Business Office	Emerald, 1st Floor	
Chemistry	121	Science
Classics, Chinese, Japanese	303	Friendly
Community Service and Public Affairs	100	Hendricks
Counseling Center	150	Susan Campbell
Dean of Men	207	Emerald
Dean of Women	208	Emerald
Director of Dormitories	Carson	
Economics	435	Prince Campbell
Education	102	Education
English	118	Prince Campbell
Geography	107	Condon
Geology	144	Science
German and Russian	202	Friendly
Graduate Placement	246	Susan Campbell

Graduate School	125	Chapman
Health, P.E. & Recreation	128	Phys. Ed
History	175	Prince Campbell
Home Economics	323	Chapman
Information Office	101	Johnson
Journalism	201	Allen
Law	219	Fenton
College of Liberal Arts	114	Friendly
Mathematics	1A	Deady
Military & Air Science	105	Cherney
Music	102	Music
Nursing	311	Susan Campbell
Philosophy	212	Chapman
Physics	160	Science
Political Science	936	Prince Campbell
President	110	Johnson
Psychology	302	Condon
Registrar	Emerald, 1st Floor	
Religion	105	Friendly
Romance Languages	101	Friendly
Sociology	154	Prince Campbell
Speech	216	Villard
Student Affairs	207	Emerald
Summer Session	116	Education
University Relations	110	Johnson