

9  
1974

# Summer Session

University of Oregon Publication

Eugene



# Oregon

## Note

*Registration Request* cards are in the back of this catalog.

All students must file a *Registration Request* notice with the Office of the Registrar before registration procedures can begin. Filing the Registration Request notice before June 1 insures that personal registration materials will be available for registration on June 17.

Filing the *Registration Request* notice does not constitute admission to the University.

Admission information appears on pages 6 and 7.

Complete registration information appears on page 14.

## General Catalog Information

The 1974-75 *University of Oregon General Catalog* will be available about July 1. Copies may be obtained by mailing \$2.00 to University of Oregon, Box 3449, University Station, Eugene, Oregon, 97403. Zip code must be included in the return address.

On-campus purchases may be made from the U of O Bookstore or from the Erb Memorial Union.

The University of Oregon is a member of the Oregon State System of Higher Education.

Address for all University offices is:  
University of Oregon  
Eugene, Oregon 97403

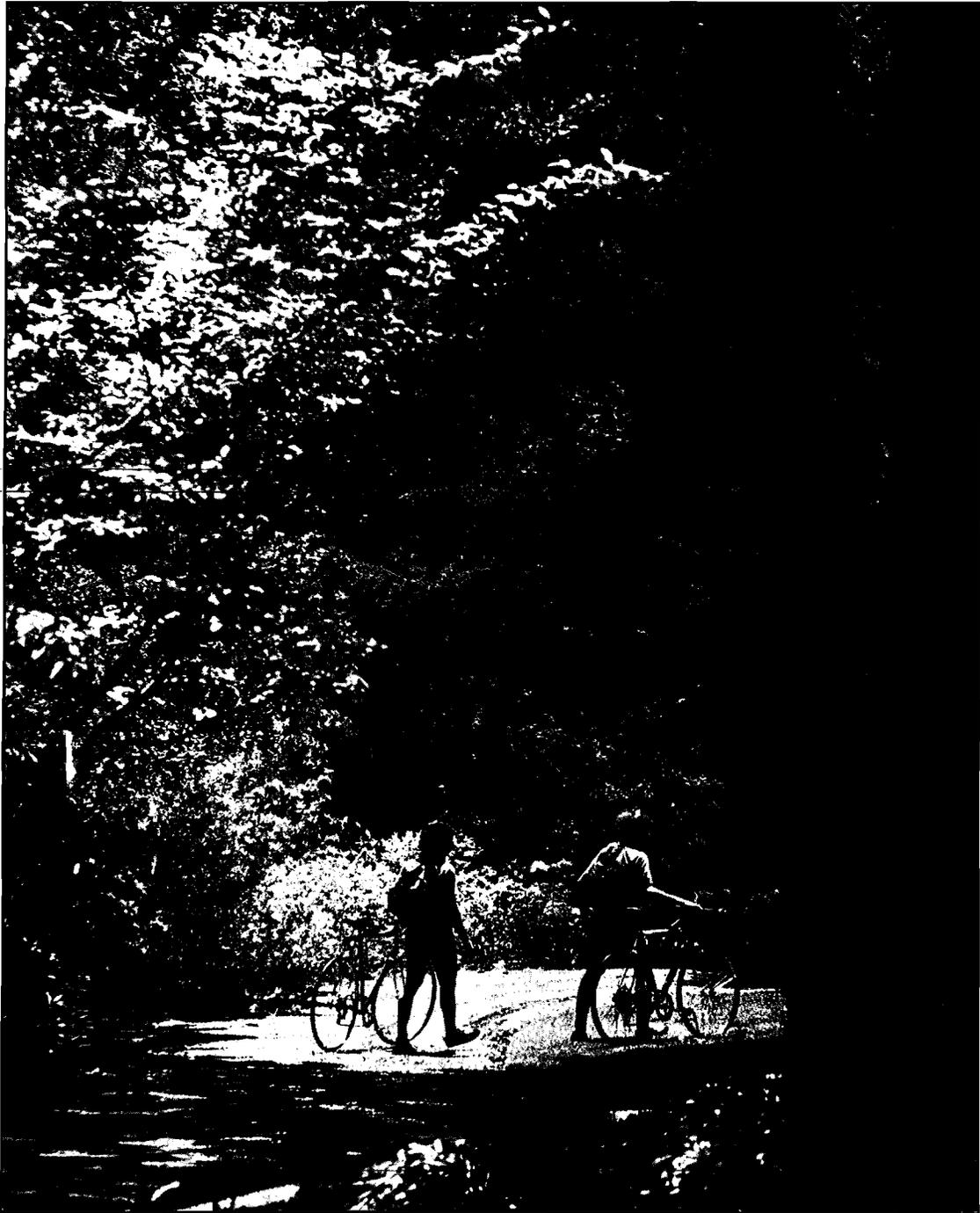
Telephone (University Information) is:  
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# 1974 University of Oregon Summer Session Catalog

The University of Oregon is a member  
of the following associations:  
Association of American Universities  
Northwest Association of Secondary and Higher Schools

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Association of University Summer Sessions  
National Association of Summer Sessions  
Western Association of Summer Session Administrators

## Calendar for Summer 1974

|                                     |   |
|-------------------------------------|---|
| June 10, Monday . . .               | Pre-session workshops begin   |
| June 17, Monday . . .               | Registration  |
| June 18, Tuesday . . . .            | Classes begin   |
| June 19, Wednesday . . .            | Last day to pay late fees without penalty   |
| July 4, Thursday . . .              | Holiday   |
| July 5, Friday . . .                | Last day to apply for all degrees   |
| July 26, Friday . . .               | Last day to schedule final presentation, Graduate School  |
| August 9, Friday . . .              | Last day to submit <i>Statement of Completion of Requirements for Master Degree</i> , Graduate School |
| August 8-9, Thursday-Friday . . .   | Final examinations, eight-week courses  |
| August 10, Saturday . . .           | Summer Session graduation convocation   |
| August 16, Friday . . .             | Last day for final presentation of doctorate  |
| August 27, Tuesday . . .            | Last day to file graduate degree theses   |
| August 29-30, Thursday-Friday . . . | Final examinations, eleven-week courses   |
| August 30, Friday . . .             | Summer Session ends   |

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# General Information

## History

THE HISTORY of the University of Oregon dates from October 19, 1872, when the University was established by an act of the Oregon Legislature. The institution formally opened its doors to its first 177 students on October 16, 1876; the University will observe its centennial anniversary in 1976. Currently, there are over 16,000 students enrolled, including 3,653 in graduate studies; an additional 1,791 students attend the Medical and Dental schools on the University's Portland campus. The University has over 1,300 faculty members engaged in teaching and research during the regular academic year. The summer session has a faculty of 500, and an average enrollment of 7,500. The first University summer session class met in 1904.

From a small curriculum limited almost entirely to classics and literature, the University has continued to expand to a current curriculum covering a broad range of knowledge. There are now thirty-five departments and special programs in the liberal arts; nine professional schools and colleges; twelve research bureaus, institutes, and centers; and a graduate division.

The quality of the programs of instruction at the University of Oregon was recognized in 1969 when the institution was named to membership in the Association of American Universities. The University has full accreditation from the Northwest Association of Secondary and Higher Schools.

Funds for the support of higher education in Oregon are derived primarily from state appropriations for the operation of institutions, specified sums from the national government assigned for definite purposes by Congressional

acts, income from student tuition and other fees, and such sources as gifts, grants, sales, and service charges.

## Summer 1974

The University of Oregon summer session is designed to meet the educational needs of a broad range of students; therefore, the curriculum is organized into a calendar of varying lengths of time.

The **eight-week session** is the primary calendar period. In 1974, it begins on June 17 and concludes August 9.

The **eleven-week session** begins on June 17 and concludes on August 30. The majority of course offerings for this period are undergraduate, three-term sequence courses. ~~The first term of sequence courses is scheduled for June 17-July 12; the second term is July 15-August 9; and the third term is August 12-August 30.~~

**Additional courses** of varying lengths of time are offered throughout the summer. Most are scheduled for four weeks, but a number of two-week and one-week courses are also offered.

Students may register for courses in any combination of time periods.

The maximum credit hour load for undergraduate students is 21 credit hours per term.

For the 1974 summer session, all students will pay Oregon resident fees; the nonresident fee is waived. Complete fee information begins on page 14.

For further information about the 1974 summer session, direct inquiries to the Director of Summer Session, Room 130 Education Building, University of Oregon, Eugene, Oregon 97403. The telephone is (503) 686-3475.

# Undergraduate Studies

**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 studies in the fall, winter, or spring term is encouraged to complete regular University admission procedures. At least thirty days before the opening of the summer session, there should be sent to the Director of Admissions: (1) an application on an official University form; (2) a \$10.00 application fee (not refundable); (3) official transcripts of all high-school and college records. Specific admission requirements are available from the office of the Director of Admissions.

**Admission through Prefreshman Program.** A resident of Oregon, unable to qualify for fall-term admission on the basis of a high-school record or the test scores of either SAT or ACT, may qualify for admission by completing acceptable work during summer session. Those students seeking to qualify for fall-term admission may choose between a 9 credit-hour structured program or a 12 credit-hour unstructured program of elective course work. The structured program must include 3 credit hours of writing and any 6 credit-hour combination of humanities, social science, or science. To qualify for fall-term admission, students are required to earn a 2.00 (C) grade-point average. A nonresident may qualify for fall-term admission with either of these programs, but is required to earn a grade-point average of 2.25. Complete information about the prefreshman program is available from the Director of Admissions.

**Orientation for New Students.** New students are encouraged to attend an orientation meeting at 6:30 p.m. on Sunday June 16 in Room 150 Science Building. Resource personnel will be present. This session is planned to assist new students in understanding the general academic policies and procedures of the University.

**Grading System.** Student course work is graded as follows: A, excellent; B, good; C, satisfactory; P, satisfactory or better; N, unsatisfactory; I, incomplete; W, withdrawn; X, no grade reported by instructor; Y, no basis for grade. Students ordinarily receive one of the four passing grades or N. 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 granted for completion of the work; except in extraordinary circumstances, the extension of time will not exceed three terms. In certain no-grade courses, students receive marks of P (pass) or N (no pass). W indicates official withdrawal from a course; this requires filing the proper forms in the Office of the

Registrar in accordance with University regulations which appear in the *Summer Session Time Schedule of Classes*. Eighty-five per cent of all work graded A, B, C, D, F, N (I, X, Y, are marks and are not counted as work completed) completed at the University of Oregon must be passed satisfactorily for all degrees.

Students are required to complete at least 90 undergraduate credits on a graded basis (45 credit hours of graded work at the University of Oregon). Graduation requirements for most undergraduate majors include 186 credit hours of satisfactorily completed work. Students have the option of electing certain of their courses on an ungraded basis (P or N). Each department, school, or special program has its own regulations on ungraded courses for majors. Before exercising the ungraded option, students should confer with advisers.

**Program Planning.** Essential tools for planning the summer's academic program are this catalog and the *Summer Session Time Schedule of Classes*. Students planning to attend fall term should also check the University's general catalog, available for purchase after July 1. The 1974-1975 catalog will contain statements of official policy and practices for all aspects of the University's operation, including admission to the regular session and degree requirements and the courses of instruction offered in schools and departments of the University.

The *Time Schedule* will note the time and place for class meetings. It will also contain the summer academic calendar, the summer term examination schedule, notes on prerequisites, and sections of the Student Conduct Code. The *Time Schedule* is dispensed by the Office of the Registrar. The catalog is sold to persons on-campus at the University of Oregon Bookstore; it is sold off-campus by mail addressed to the Publications Office.

**Meeting with an Adviser.** All students are welcome to confer with members of the teaching faculty. All new students admitted on a regular basis are required to present a program of study signed by an adviser before registration can be completed.

Objectives of the advising program are to help all students make the most of their educational opportunities, and to assist each student with the planning of an academic program and the interpretation of the University's academic requirements and regulations.

Students who have selected a major field should consult the appropriate instructional department. Students who have not declared a major should report to the Office of Academic Advising.

**Study Loads.** Students may take courses in both the eleven-week and eight-week sessions concurrently. A maximum of 21 credit hours is allowed for undergraduates during the summer session. No exceptions will be made.

**Major.** Students need not declare an official major during the summer session.

# Graduate Studies

Many summer courses are available for graduate students; in some departments and professional schools, all, or nearly all, of the work for a master degree may be completed in summer sessions.

**Admission to Graduate School.** Admission to the Graduate School is necessary before credits earned in summer sessions may be counted toward an advanced degree at the University. Admission to the Graduate School requires graduation from an accredited four-year college or university, and acceptance by the professional school or major department in which the student proposes to study. (Students from unaccredited institutions which offer the equivalent of baccalaureate instruction, but not the degree itself, may be admitted under special procedures if they are accepted by a school or department.) Acceptance is subject to the approval of the dean of the Graduate School. Schools and departments establish their own specific requirements for graduate admission; it is the responsibility of the student to be familiar with these before applying for admission. Initial acceptance may be conditional.

Students planning to work on a graduate program only in summer sessions should submit application for admission to the Graduate School well in advance of arrival on campus; otherwise, the application must be submitted as early as possible in the first summer of enrollment. Students must be accepted by a school or department and admitted to the Graduate School by July 15 to ensure that credits earned during the summer session will apply toward a graduate degree at the University.

Former University of Oregon students must be formally admitted to the Graduate School in compliance with the regulations. Students who have been formally admitted to the Graduate School and who wish to change their major must file a *Change of Major* form with the new department and any additional documents the department may require.

A fee of \$10.00 is required of students not previously enrolled at the University of Oregon, payable when the application for admission is submitted.

Inquiries concerning graduate admission should be directed to the school or department in which the student plans to study.

**Documents Supporting Application.** Application for admission to the Graduate School must be submitted on an official University form, together with transcripts of previous college work. The first copy of the form and an official transcript of the most recent degree are to be sent to the Office of Admissions, University of Oregon. The remaining copies of the application form, and an official transcript of all earlier college work, both undergraduate and graduate, must be sent to the school or

department in which the student plans to study. At the option of the school or department, the student may also be required to furnish such additional material as transcripts of test scores (Graduate Record Examination, Miller Analogies, etc.), evidence of foreign language proficiency, and letters of reference. The applicant should ascertain from the school or department what additional material, if any, is expected.

**Continuing Study in Fall Term.** Students who enroll as Graduate School students in the summer session, and who wish to continue their studies in the fall term, must submit an *Intent to Re-enroll* form no later than July 15. Because acceptance for the summer session does not of itself comprise acceptance for the succeeding fall, the *Intent to Re-enroll* form must be approved by both the Graduate School and the school or department in which the student plans to study.

**Admission as a Transient Graduate Student.** Students with a baccalaureate or higher degree who wish to take graduate courses at the University summer session, but who do not plan to work for a degree, need not apply for admission to Graduate School. They will be designated as transient graduate students. Work completed will appear on official records as graduate credit, and may be transferred to other institutions subject to their regulations; this work may not be used toward an advanced degree at the University of Oregon. Transient students may enroll in graduate courses under the same conditions that apply to all students admitted to Graduate School; but in courses where class size is limited, Graduate School students will be given preference in enrolling.

**Continuous Enrollment.** Students who have been admitted to the Graduate School either to work toward an advanced degree, or to take a specific program of graduate courses in pursuit of a nondegree objective (certificate, credential) must enroll continuously (except for summer session) in the University from the time of first registration until the completion of all requirements for the degree or for the certificate or credential. Registration for extension courses in the Division of Continuing Education does not satisfy the continuous enrollment requirement.

In any term in which students are making use of University services and facilities, they must be enrolled for a minimum of 3 credit hours of graduate course work and pay the appropriate fees. It is usually expected that this work be done in residence. However, registration by proxy is permitted for course work to be completed in absentia, when, for example, the student is living elsewhere while writing a thesis and sending portions of it to an adviser for criticism.

If a program of study is interrupted for one or more terms (excluding the summer session), the student must register for on-leave status in order to maintain graduate standing. On-leave status requires no fees, but neither does it permit demands on University staff and facilities. Failure to register for on-leave status leads to automatic

cancellation of standing in the Graduate School. Return at a later date will require application for readmission, via the major department and the Graduate School. Re-admission is subject to quota limitations in effect for the term requested.

On-leave status is granted for a stated period of time. Graduate students enrolled in the regular academic year may be granted on-leave status not to exceed one calendar year. Students who are doing all of their graduate work in summer sessions must secure leave for each ensuing academic year, and may request extensions of leave until a degree is received, subject only to the seven-year time limit for master degrees. An application for on-leave status, endorsed by the major school or department, must be received by the Graduate School not later than the last day to register for classes in the pertinent term as stated in the *Time Schedule of Classes*.

**Credit Requirements.** The master degree requires completion of an integrated program of study totaling not less than 45 credit hours in courses approved for graduate credit; at least 24 of these hours must be earned in University pass-differentiated graduate courses. Integration may be achieved either through a departmental major or through a program of interdisciplinary studies. The master degree with a departmental major ordinarily requires a minimum of two-thirds of the work (30 credit hours) in the major field. A second master degree in a different field requires not less than 30 credit hours in the new major, of which 24 must be in University pass-differentiated graduate courses. Schools and departments may require more than this minimum in individual cases. Graduate courses graded P may be counted in the 45 credit hours required for a master degree (or the 30 for a second master), but may not be counted in the required 24 credit hours of University pass-differentiated graduate courses.

**Grade Requirement.** A graduate student is required to earn at least a 3.00 average in all University pass-differentiated graduate courses taken for graduate credit in a degree program. A grade-point average of less than 3.00 at any time during the student's graduate studies or an accumulation of more than five hours of N grades, regardless of the grade point, is considered unsatisfactory, and may result in disqualification by the dean of the Graduate School after consultation with the student's major school or department. Disqualification means that the student is dropped from the Graduate School and the degree program terminated. Graduate credit is not granted for a course in which the student earns a grade of N.

**Residence Requirement.** The minimum residence requirement for the master degree is 30 credit hours of work earned as a Graduate School student on the Eugene campus. Master-degree work must extend over a minimum of three terms if the student has less than 12 credit hours either of transfer credit or reserved graduate credit or both; or a minimum of two terms if 12 to 15 credit hours are approved either for transfer or reserved for graduate credit or both. The residence requirement for the M.F.A. degree in studio arts is two academic years (six terms). The residence requirement for a second master degree is a minimum of two terms of full-time study on the Eugene campus.

For the Ph.D. degree, at least three years of full-time work beyond the bachelor degree are required, of which

at least one academic year (three consecutive terms of full-time study, with a minimum of nine credit hours per term) must be spent in residence on the Eugene campus. In the event the master degree is conferred by the University of Oregon, the three consecutive terms in continuous full-time residence must be after all requirements for all master degrees are completed.

**Transferred Credit.** Credit earned while a graduate student at other accredited graduate schools, or in the Division of Continuing Education of the Oregon State System of Higher Education, may be counted toward the master degree under the following conditions: (1) the total of transferred credit may not exceed 15 credit hours in a 45-hour master degree program; (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, B, or P; (5) transferred credit may not be used to meet the requirement of 24 term hours of credit in University graduate pass-differentiated courses. Graduate credit is not allowed for correspondence courses. Credit granted for work completed at another institution is tentative until validated by work in residence.

**Distinction Between the M.A. and M.S. Degrees.** For the M.A. degree, the student must show a competence in one foreign language; the level of proficiency and the method of determining that level are decided by his school or major department. There is no language requirement for the M.S. and professional degrees unless specified by the school or department.

**Course Requirement.** For the M.A. or M.S. degree with a departmental major, at least 9 credit hours in 500-599 courses taken on the University of Oregon campus are required; for the interdisciplinary master degrees, at least 6 credit hours in 500-599 courses are required.

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

**Course Load.** No maximum is stated for the Summer Session course load, but added fees are assessed at the rate of \$25.00 per credit hour in excess of 16 hours. Included in the 16-hour total are credits earned in pre-session and postsession workshops, seminars, and other credit-yielding activities. Major departments or financial awards may establish specific restrictions.

All graduate students using campus facilities or studying under the supervision of a member of the faculty are required to register for a minimum of 3 credit hours of course work per term. This rule applies also to students taking comprehensive or final examinations or presenting recitals or terminal projects for advanced degrees. If all requirements, including examinations and completion of thesis, have been met in the term before that in which the degree is awarded, the student need only register for on-leave status. Final copies of the thesis must be filed at the Graduate School three days before registration for the next term or the student will be required to register for the minimum 3 hours.

**Thesis Registration.** All graduate students working toward an advanced degree for which a thesis is required must register for Thesis (503). The candidate for a master degree with thesis is required to register for a mini-

imum of 9 credit hours in Thesis (503) before completing the program for the degree. A student working toward a doctorate is required to register for a minimum of 18 credit hours in Thesis before completing the program for the degree. With school or department approval, up to 3 of the 9 hours of Thesis required for the master degree and up to 6 of the 18 required for the doctorate may be in Research (501) instead. Credit for Thesis (503) and Research (501) is granted on a pass/no-pass basis.

## 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 standard secondary teacher certification is offered as one of the University's programs of interdisciplinary studies. Students must have a reasonable background of undergraduate study in education and in the field in which they propose to work, as evidenced by holding a basic certificate of secondary teaching, and must complete prerequisites for specific courses. The requirements for a master degree in the program for teachers are as follows:

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

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

**Option 1.** A minimum of 36 credit hours in one of the following fields: computer science, English, Romance Languages, geography, history, mathematics, and school librarianship.

**Option 2.** Between 15 and 21 credit hours in each of two subject fields.

**Option 3.** A minimum of 36 credit 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 credit hours of work must be taken in 500 courses. The remaining courses may include, with some restrictions, both the 400 (G) and 400 (g) series. The student's program must be planned to provide well-rounded knowledge, and must not be made up of scattered, unrelated courses.

For the first two options, 18 credit hours in each of the subject fields involved must be presented as an undergraduate prerequisite. For option 3, the prerequisite is 12 credit hours in each of the specific fields involved.

(b) Between 9 and 15 credit 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.

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 graduate credit hours.

Inquiries about programs under option 1, above, should be directed to the chairman of the appropriate department. General inquiries about programs under the other options should be directed to the Committee on Interdisciplinary Studies, Graduate School.

## Administrative Certificates

One objective of the College of Education is to produce educational administrators with technical knowledge, skills, and attitudes necessary to the efficient operation of a single school, a multiple district, or a completely unified district embracing all levels from kindergarten through twelfth grade and higher education. Such preparation implies: (1) acquisition of knowledge and understanding formulated by interdisciplinary studies, such as the behavioral sciences of anthropology, economics, education, political science, psychology, and sociology; (2) association, on local, state, and national levels, with the professional organizations involved in promoting the best programs in leadership development and maintaining that leadership in the field; (3) participation in research that evaluates the results of educational programs in order to reorganize, reemphasize, retain, or delete phases of the total educational operation; (4) professional development through field studies, in-service workshops, and off-campus internships at all levels of administration.

The program of upper-division and graduate courses requires a minimum of 33 credit hours for school principals and 45 credit hours for superintendents taken subsequent to the master degree. This includes participation in all of the above areas of emphasis with expectation of greater depth in some. It is the aim of the college to make the prospective or practicing administrator an educational leader who is able to analyze, interpret, and recommend solutions for complex educational problems.

The candidates who are admitted to a program are required to: (1) complete in residence 18 credit hours of the 33 required for a standard principal's certificate and 24 credit hours of the 45 required for a standard superintendent's certificate. The remainder of the credit hours may be taken at any other accredited institution in or out of Oregon, or in the Division of Continuing Education, Oregon State System of Higher Education; (2) plan with an adviser a 33- or 45-credit-hour program which will achieve the desired standard administrative certificate.

Complete and current information on specific requirements and procedures for obtaining either the Basic Administrative Certificate or the Standard Administrative Certificate may be obtained from the Center for Educational Policy and Management.

**The Sixth-Year Certificate.** The College of Education of the University of Oregon offers a sixth-year program which calls for a total of 60 credit hours of upper-division and graduate study beyond the master degree. The 60-credit-hour program provides time for study in social

sciences, humanities, and professional-school administration areas beyond that required to attain a standard certificate.

Sixth-year certificates may be earned by superintendents, principals, or any other professional-school employees upon completing the 60-credit-hour planned program. This certificate will in most cases meet any membership requirements in state or national organizations of principals, superintendents, or other educational specialists. The candidate and adviser may always arrange programs to cover special needs and interests.

## Supervisors Program

**Requirements for a Basic Supervisory Norm (Two-Year).** A basic supervisory norm (an endorsement on a classroom certificate) valid for a period of two years will be issued to an otherwise qualified applicant who: (1) holds a basic teaching certificate; (2) has completed the standard teaching norm in the area(s) to be supervised; (3) verifies three years of successful teaching experience in the regular public-school classroom or in the area of specialization in which the supervisor's certificate is requested; (4) verifies completion of nine credit hours of graduate study in, or accepted by, a college or university approved by the Oregon Board of Education for the preparation of school supervisors; this preparation is ap-

plicable to a planned program for the preparation of supervisors including three credit hours in general supervision.

**Requirements for a Standard Supervisory Norm (Five-Year).** A standard supervisory certificate, valid for a period of five years will be issued to an otherwise qualified applicant who: (1) has five years of successful experience on the staff of a public school; (2) verifies 15 credit hours (or equivalent) of upper-division or graduate-level preparation subsequent to the master degree completed in, or accepted by, a college or university approved by the Oregon Board of Education for the preparation of supervisors; (3) holds a standard teaching certificate with standard norms in the area(s) to be supervised; (4) completes a planned program for preparation of supervisors, with subject matter including improvement and evaluation of instruction, philosophy and techniques of supervision, group processes and organization, adult psychology and counseling skills, research skills, field experience or internship in supervision, or practicum in clinical supervision.

The above listed requirements are for staff members whose major responsibilities lie in any one or more of the following areas: (1) organization and maintenance of professional growth program for certificated personnel; (2) leadership responsibility for planning and development of curriculum; (3) improvement of instructional practices; (4) selection, maintenance, and use of effective instructional materials; (5) continuous evaluation of instruction and curriculum; (6) direction or supervision of special education.



# Student Services

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## Student Personnel Services

Under the general direction of the dean of Student Personnel Services, assistance and counseling with students are provided in all aspects of student life at the University: orientation, study skills, academic probation and reinstatement, personal difficulties, career planning and placement, education abroad, and others. Students are encouraged to call on the dean or his staff for assistance in these areas.

**Office of Student Services.** The Office of Student Services seeks to assist students in resolving problems which interfere with academic progress and in utilizing the varied campus resources which enhance the learning process. The staff serves as ombudsman, helping resolve administrative and academic conflicts. They provide general information about the University and are ready to help with specific concerns, including counseling students with individual problems, providing written recommendations for students, and advising students about scholastic deficiency problems and reinstatement to the University. The office coordinates orientation programs for new undergraduate students, and provides specialized registration and personal assistance for physically disabled students.

The Office of Student Services is located on the first floor of the Administrative Services Building. It assures students of a central place where general assistance is available with a staff that has as its primary function willingness to seek solutions for student problems.

**University Counseling Center.** The University Counseling Center, staffed by professional counselors, is available to university students, faculty, and staff. Resources,

including testing, are provided to assist in making decisions regarding personal and academic concerns, career choices, problems in interpersonal relationships, marriage and premarital counseling. Staff members are also available to consult with faculty members or students on either behavioral or mental health problems.

The Counseling Center is a coordinator for most of the national testing programs, such as CLEP, College Entrance Examinations Boards, Graduate Record Examination, and Law School Admission Test. Application forms and registration materials for these programs are available at the Counseling Center, 150 Susan Campbell Hall.

The Center's regular hours are 8:00 a.m. to 5:00 p.m., Monday through Friday. The Crisis Center, a telephone service supervised by the Counseling Center, operates during the evenings and weekends.

**Learning Resources Center.** This learning and study skills service, located on the second floor of Condon Hall, offers a limited program of assistance during summer session. Primary emphasis is placed upon speed reading, a six-week, no-credit course focusing upon improvement in reading rate, retention, recall, and comprehension. Noncredit classes in spelling and vocabulary and limited tutorial assistance are also available during summer session. A \$10.00 fee is charged for the center's services.

**International Student Services.** The Director of International Student Services and his staff are prepared to counsel students from abroad who are attending the University, to assist them with their personal problems and with adjustments to the customs and procedures of American higher education. They are prepared to give advice and help in connection with visas, government regulations, scholarships, employment, and general orientation

to American life. The staff also provides information and advice for American students planning study abroad, including information and selection procedures for Fulbright grants. The Office of International Student Services is on the first floor of the Administrative Services Building.

**Career Planning and Placement Service.** Career planning assistance is available to undergraduates deciding on a major or to persons seeking a second career. Actual placement assistance is available to graduating students and alumni seeking new or better positions.

Students who are currently enrolled or have completed 12 credit hours of class work at the University are eligible to register for placement services. Initial placement services are granted without charge to graduating seniors and graduate students during their last year at the University. Alumni must pay a yearly fee.

The Career Planning and Placement Service serves students in all schools and departments in the University, including those trained in business, education, and other professions, and the liberal arts. The office is located on the second floor of Susan Campbell Hall.

**Student Employment.** The Student Employment Office, in cooperation with the State of Oregon Employment Division, assists University of Oregon students in finding part-time or temporary work while attending school, and assists spouses 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 fourth floor of the Administrative Services Building.

**Student Conduct.** The University of Oregon has a progressive student conduct program designed to encourage self-direction and maturity among students while protecting the University's educational objectives and the health and safety of individuals within the University community.

A faculty-student committee has primary responsibility for formulating and evaluating student conduct policies and procedures. The program is administered by the Coordinator of Student Conduct, whose office is on the third floor of the Administrative Services Building.

The Code of Student Conduct appears in the *Summer Session Time Schedule of Classes*.

**Student Health Center.** The purposes of the Student Health Center are to assure students of the University of Oregon a healthy environment in which to live and work, to safeguard the general health of the students, and to teach them the value of preventive and curative medicine through health education and individual, informal, health counseling.

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 Center. Physical examinations and immunizations are not required of summer students. Summer Session students enrolling in fall term should consult the general catalog for immunization and physical examination requirements. Health Center hours

are 8:00 a.m. to 4:30 p.m., Monday through Friday and 8:00 a.m. to 11:30 a.m. on Saturdays. Visits are by appointment, except for emergencies.

**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 scholarship. All of the books in the libraries of the institutions of the Oregon State System of Higher Education are available to the students and faculty of the University.

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

Library hours will be announced just prior to the summer session.

**Office of Academic Advising.** The principal responsibility of this office is to coordinate the advising of students who have not chosen a major field. When previously uncommitted students select a major field, they are referred to the appropriate school or department for advising.

This office serves as the center for the advising program and as a clearing-house for information on academic requirements and regulations. Students may direct inquiries on these matters to the Director, Office of Academic Advising, 107 Samson H. Friendly Hall.

**Museum of Art.** The primary purpose of the Museum of Art is to promote among students and staff of the University of Oregon and the general public an active interest in the visual arts, both past and present. Built in 1930, the Museum of Art, and the garden court adjoining it are dedicated to the memory of Prince Lucien Campbell, fourth President of the University.

Outstanding collections at the Museum of Art include the Murray Warner Collection of Oriental Art. This collection includes more than 3,000 accessioned objects, representing principally the cultures of China and Japan (but also including some works of art from Cambodia, Korea,

Mongolia, and Russia), and was given to the University in 1921 by Mrs. Gertrude Bass Warner as a memorial to her husband, Major Murray Warner. The Museum also houses an extensive and expanding collection of more than 900 works by contemporary Northwest artists, including 501 works by the renowned Northwest painter Morris Graves. These works are both major and archival in nature. Other collections include contemporary American works as well as Oriental works, both past and present. Featured at the Museum are three new galleries, devoted to the sculpture of India, contemporary Northwest art, and the Morris Graves Collection.

The Museum operates an active statewide-services program of exhibitions and workshops, a Rental-Sales Gallery, and the Museum Shop. The first-floor galleries feature changing exhibitions of local, regional, national, and international scope. All of these activities are financed primarily by the Friends of the Museum, membership in which is open to the public, with dues ranging from \$3.00 for students to \$250.00 annually. Museum hours are from 12:00 noon to 5:00 p.m., Tuesday through Sunday; closed on Mondays, and from mid-August to late September.

**Museum of Natural History.** The Museum of Natural History, situated just west of the Science Library, contains collections and exhibits in the fields of anthropology, archaeology, botany, biology, geology, paleontology, and zoology. Members of the staff conduct research in their particular specialties, assist others in the use of the collections, and provide a variety of professional services to the community. Current research includes topics in archaeology, regional botany, paleobotany, palynology, and volcanic geology.

**The Union.** The Erb Memorial Union (EMU) is a combination of facilities, services, and programs dedicated to making the extracurricular life of students an integral part of their education. The EMU provides group meeting rooms, a variety of food service units, an art gallery, lounges, and a recreation center, as well as a staff of program consultants to help groups and individuals in planning programs. Student government and activities offices are located on the ground floor of the EMU. Also housed in the building are a branch of the U.S. Postal Service, an information center, a small store, a ticket outlet, and the University lost-and-found office. The headquarters of the Outdoor Program are located in the EMU, as well as an Outdoor Resource Center store. The Crafts Center, offering informal work and instruction in ceramics, jewelry, graphics, woodworking and photography is located on the ground floor. Also a part of the EMU, but not housed in the building, is the Canoe Shack providing canoe rental for use on the millrace and elsewhere.

**Financial Aid.** The University of Oregon has scholarships, loans, and part-time work available through the College Work-Study Program, 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. Persons planning to attend the summer session and who are in

need of financial assistance are advised to inquire at the Office of Financial Aid either in person or by mail to permit an early determination of their eligibility for the various types of financial aid available. The office is in the Administrative Services Building.

**Veterans' Benefits.** Information about the G.I. Bill, Oregon State Veterans' Aid, and War Orphans' Education Assistance is available at the Office of the Registrar. 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 affect summer benefits. Veterans registered spring term do not automatically receive benefits for summer session unless they register with the veterans' clerk.

**Selective Service System.** Information on current selective service regulations, including minimum class loads for graduates and undergraduates, and liaison with a student's draft board is available from the veterans' clerk in the Office of the Registrar.

**Parking Regulations.** Students, both full-time and part-time, who use University parking lots, must purchase and display the proper parking permit. Student parking permits are \$6.00 during the summer session. Permits may be purchased at any time from the Office of Campus Security, Straub Hall. Hours are from 8:00 a.m. to 5:00 p.m., Monday through Friday.

## Equal Opportunity

The University of Oregon is committed to provide equal opportunity and access to University facilities to everyone, without regard to race, creed, color, age, sex, or national origin. In an affirmative action policy statement on October 15, 1971 the University adopted the following:

**Policy.** It is the policy of the University of Oregon that discrimination based on race, color, religion, sex, age, or national origin shall not exist in the University. This applies to all facets of the University, and is intended to carry out explicitly all state and federal laws and executive orders which pertain to discrimination. The University is pledged to actively seek new and creative ways to combat discrimination and to insure that nondiscrimination is a pervasive part of the University environment.

**Intent.** Growing out of the policy stated above, and in recognition of the disadvantaged position of women and minorities with respect to employment in society, the University of Oregon Affirmative Action Program is a positive plan intended to:

- (1) increase substantially the employment of women and minority group persons in all segments of the University's work force to levels at least equal to their availability within comparable work forces.
- (2) insure that women and minority-group persons receive equal opportunity and treatment with other employees in respect to salary, promotion, advancement, and all other aspects of employment.
- (3) encourage admissions of minority and female students, particularly to Ph.D. and other graduate and professional programs.

# Student Administrative Services

## Registration

All students planning to enroll for credit in the 1974 Summer Session must file a *Registration Request* notice with the Registrar's Office before official registration procedures can be set in motion. *Registration Request* forms will be found in the back of this catalog.

Personalized registration materials will be prepared from the information supplied on this form. In order to avoid delays in completing the registration process, the *Registration Request* notice must be filed with the Registrar's Office by May 15 for all eight-week or eleven-week courses. Students registering for courses (usually workshops) scheduled to begin June 10 or after June 17 must file their *Registration Request* notice at least three weeks prior to the beginning of the course. Filing of a *Registration Request* notice in no way constitutes admission nor provides registration materials for Fall Term 1974; the notice is for summer session registration purposes only. For information about admission, see pages 6 and 7 of this catalog.

Registration will be held in McArthur Court on Monday, June 17, for all summer courses. The arena registration process permits students to register by student identification number (Social Security number) in periods of

time reserved for them. The entire registration process, except for payment of fees, may be completed in McArthur Court in about one hour's time. The schedule below lists the time-blocks reserved for student registration. Detailed registration procedures will appear in the *Summer Session Time Schedule of Classes*; this publication will be available about April 15, and will be mailed to all students who received a copy of this catalog by mail.

**Late Registration.** For those who do not complete registration for eight-week or eleven-week courses on Monday, June 17, late registration will begin Tuesday, June 18. Students registering after Monday, June 17, may pick up their registration materials at the Office of the Registrar.

Late registration fee penalties will be charged after Wednesday, June 19. See page 15 for late registration fee schedule.

Students registering in short courses which begin after June 19 may register on the first day of class; late registration fees will not be charged.

## Fees

Regular and special fees associated with summer session registration are listed below. Fee schedules are subject to change by the State Board of Higher Education.

**Financial Policies.** The regular fees charged to students enrolled in the institutions of the Oregon State System of Higher Education include (1) tuition, and (2) health service, incidental, and building fees.

Tuition and other regular fees are paid by all students under the usual conditions of undergraduate or graduate study, and are payable in full at the time of term registration. Special fees are paid under the conditions noted.

Payment of the stipulated fees entitles students enrolled for academic credit to services maintained by the University for the benefit of students. These services include: instruction in University courses; use of the University Library; use of laboratory and course equipment and materials for courses in which the student is registered; medical attention at the Student Health Center; use of gymnasium equipment and laundry service, subscription to the student newspaper, and admission to concerts and lectures sponsored by the University. No reduction in fees is made to students who may not wish to use these services.

**General Deposit.** All persons who enroll for academic credit (except staff members) must make a general deposit of \$10.00, payable at the time of registration. The

### Registration Schedule, Monday, June 17, 1974

| Terminal Digit (last four digits of student's Social Security Number) : | Registration Time : |
|---|---------------------|
| 7500 - 8199 .....   | 8:00 a.m.           |
| 8200 - 8899 .....   | 8:30 a.m.           |
| 8900 - 9599 .....   | 9:00 a.m.           |
| 9600 - 0199 .....   | 9:30 a.m.           |
| 0200 - 0799 .....   | 10:00 a.m.          |
| 0800 - 1399 .....   | 10:30 a.m.          |
| 1400 - 1999 .....   | 11:00 a.m.          |
| 2000 - 2499 .....   | 11:30 a.m.          |
| 2500 - 2999 .....   | 12:00 noon          |
| 3000 - 3499 .....   | 12:30 p.m.          |
| 3500 - 3999 .....   | 1:00 p.m.           |
| 4000 - 4499 .....   | 1:30 p.m.           |
| 4500 - 4999 .....   | 2:00 p.m.           |
| 5000 - 5499 .....   | 2:30 p.m.           |
| 5500 - 5999 .....   | 3:00 p.m.           |
| 6000 - 6499 .....   | 3:30 p.m.           |
| 6500 - 6999 .....   | 4:00 p.m.           |
| 7000 - 7499 .....   | 4:30 p.m.           |

general deposit is required for protection of the University against loss of or damage to institutional property such as dormitory and laboratory equipment, military uniforms, Library books, locker keys, and against failure to pay promptly nominal fines and assessment such as Library fines, campus traffic fines, and Health Center charges. If at any time charges against this deposit become excessive, the student may be called upon to re-establish the original amount.

## Tuition Fee Schedule

Nonresident fees are waived for the 1974 summer session. Any student holding a baccalaureate degree is considered to be a graduate student whether or not formally enrolled in the Graduate School.

### Undergraduate (resident and nonresident)

|  |       |          |
|--|-------|----------|
| Full time registration; 12-21 credit hours | ..... | \$181.00 |
| Part time registration; 1-2 credit hours   | ..... | 52.50    |
| 3 credit hours                             | ..... | 64.00    |
| 4 credit hours                             | ..... | 75.50    |
| 5 credit hours                             | ..... | 87.00    |
| 6 credit hours                             | ..... | 98.00    |
| 7 credit hours                             | ..... | 112.50   |
| 8 credit hours                             | ..... | 127.00   |
| 9 credit hours                             | ..... | 141.50   |
| 10 credit hours                            | ..... | 154.50   |
| 11 credit hours                            | ..... | 167.00   |

### Graduate

|  |       |        |
|--|-------|--------|
| Full time registration; 9-16 credit hours                        | ..... | 268.00 |
| Part time registration; 1-2 credit hours                         | ..... | 79.50  |
| 3 credit hours   | ..... | 104.50 |
| 4 credit hours   | ..... | 129.50 |
| 5 credit hours   | ..... | 157.00 |
| 6 credit hours   | ..... | 185.00 |
| 7 credit hours   | ..... | 212.50 |
| 8 credit hours   | ..... | 240.50 |
| Each additional credit hour over 16                              | ..... | 25.00  |
| Graduate fellow (summer appointment, at least .15 FTE), per term | ..... | 45.00  |

**Fee Refunds.** Fee refunds may be made only to a student withdrawing from the University or reducing a course schedule to part-time status for reasons beyond the student's control. Withdrawal or reduction of course load does not automatically result in a refund; a specific written request must be made. The refund schedule has been established by the State Board of Higher Education, and is on file in the University Business Office. All refunds are subject to the following regulations: (1) any claim for refund must be made in writing before the close of the term following the term of withdrawal; (2) refunds in all cases are calculated from the date the student officially withdraws from the University, not from the date when the student ceased attending classes, except in unusual cases when formal withdrawal has been delayed through causes largely beyond the control of the student; (3) no refunds will be made for any amount less than \$1.00; (4) refunds of incidental fees are subject to return of the Certificate of Registration.

**General Deposit Refund.** The \$10.00 general deposit, less any deductions which may have been made, is refundable not earlier than the sixth week after the close of the term.

## Special Fees

The following fees are assessed to University summer session students under the special conditions noted.

**Late Registration: \$5.00 plus.** Students who register after June 19 will be charged a late-registration fee of \$5.00 for the first late day plus \$1.00 for each late day thereafter. The regulation applies to both full-time and part-time students.

**Change of Program: \$1.00.** This fee may be required for each change in the student's official program.

**Exceptions to Procedures: \$1.00-\$25.00.** Approved exceptions to procedural deadline are subject to this fee.

**Special Examination: \$15.00.** This fee is assessed for the privilege of taking an examination for advanced credit, regardless of the number of credit hours involved. The fee applies to each special examination.

**Graduate Qualifying Examination: \$1.00 to \$15.00.** This fee is assessed to students taking the Graduate Record Examination or other standard tests of ability to do graduate work.

**Transcript: \$2.00.** The first copy of an official copy of a student's University academic record is \$2.00; each additional copy furnished at the same time is \$1.00. The University reserves the right to withhold transcripts for persons who have not met financial obligations to the institution.

**Replacement of I.D. Card & Certificate of Registration: \$4.00.**

**Replacement of Certificate of Registration only: \$1.50.**

**Reinstatement: \$2.00.** The fee is assessed whenever a student is permitted to continue studies after having had registration cancelled for failure to comply with the regulations of the institution.

**Returned Check: \$5.00.** A penalty is imposed if any institutional charges are met by a check which is returned because of an irregularity for which the person submitting it is responsible. Any accumulated late-registration fees will be assessed also.

**Auditor: Regular tuition.** Persons who have permission to attend classes without receiving academic credit are subject to the regular full-time or part-time tuition fees. Auditors are not considered to be enrolled students.

**Senior Citizens: \$5.00 per credit hour.** Persons 65 years of age and older not seeking credit or working toward a degree are authorized to attend classes on a space-available basis. Charges for any special materials are in addition to the credit hour rate. Incidental fee services are not provided. The fee is nonrefundable.

**Staff: \$5.00 per credit hour.** University employees are permitted to enroll in University classes. Academic staff enroll with the approval of the Payroll Department. Civil service staff enroll with the approval of the Personnel Office. Full-time employees are usually limited to 3 credit hours of work in any term; part-time employees may enroll for a maximum of 10 credit hours. The fee is nonrefundable.

## Living Accommodations

University of Oregon students choose their own living arrangements.

**Dormitories.** The University dormitories will open at 9:00 a.m. on Sunday, June 16. Room assignments will be available from the Housing Office, Carson Hall at Thirteenth Avenue and Emerald Street. Regular summer-session dormitory accommodations do not require reservations, deposits, or advance payment. Both single and double rooms are available; it is usually possible for friends to arrange to room together. Persons wishing to live in a particular dormitory unit should write the Housing Office; every effort will be made to honor the request.

### Terms and Conditions of Occupancy

Dormitory residents agree to abide by the terms and conditions of occupancy—which explain rights, privileges, responsibilities, and obligations of dormitory residency. These terms are based on consideration for other residents, health and safety standards, and compliance with established laws and the University Student Conduct Code. Failure to comply with the terms and conditions of occupancy may lead to eviction.

Housing is available only to those persons who agree to room and board throughout their length of stay. In the event of withdrawal from the University, or approved withdrawal from the dormitory, unused room and board payments will be refunded up to ten days from the end of the length of stay; there is no refund if space is vacated during the last ten days of a length of stay. Students leaving the University during their designated length of stay will be released from contract.

### Dormitory Facilities

Dormitories furnish the following items: (1) beginning with breakfast on Monday, June 17, service of twenty meals each seven-day week, none on Sunday evenings; (2) bed linens, one pillow, one blanket, weekly laundry service; (3) draperies, desk, lamp, study chair, mirror, wastebasket, water glass; (4) recreation equipment, including color television sets, table tennis, vending machines, basketball and tennis courts; (5) coin-operated washers, free dryers, ironing boards; (6) locked storage space for luggage; (7) refrigerators to rent; (8) telephones on each floor for campus calls only, coin-operated telephones in lobbies for local and long-distance calls; (9) arrangements for private telephone service; application cards are available from the room-assignment desk.

### Food Service

Dormitory residents may choose a seven-day board or a five-day board; the five-day week includes Monday breakfast through Friday lunch; five-day boarders may purchase weekend meals on a per-meal basis.

## Dormitory Fee Schedule

The summer session rates for the University dormitories appear below. Dormitory residents must contract for both room and board. The last meal of each contract period is Friday lunch for both five-day and seven-day board. A local room tax of five per cent is assessed for a stay of less than thirty days. Rates are subject to change.

### Room Rates

| Length of Session  | Double Occupancy | Single Occupancy |
|--------------------|------------------|------------------|
| Eleven Weeks ..... | \$125.00         | \$188.00         |
| Ten Weeks .....    | 118.00           | 170.00           |
| Nine Weeks .....   | 110.00           | 161.00           |
| Eight Weeks .....  | 102.00           | 152.00           |
| Seven Weeks .....  | 94.00            | 139.00           |
| Six Weeks .....    | 86.00            | 126.00           |
| Five Weeks .....   | 78.00            | 113.00           |
| Four Weeks .....   | 70.00            | 99.00            |
| Three Weeks .....  | 54.00            | 76.00            |
| Two Weeks .....    | 38.00            | 53.00            |
| One Week .....     | 20.00            | 28.00            |
| Daily .....        | 6.00             | 8.00             |

### Board Rates

| Length of Session  | Five-day Week | Seven-day Week |
|--------------------|---------------|----------------|
| Eleven Weeks ..... | \$216.00      | \$238.00       |
| Ten Weeks .....    | 198.00        | 218.00         |
| Nine Weeks .....   | 180.00        | 198.00         |
| Eight Weeks .....  | 162.00        | 178.00         |
| Seven Weeks .....  | 143.00        | 158.00         |
| Six Weeks .....    | 124.00        | 137.00         |
| Five Weeks .....   | 105.00        | 116.00         |
| Four Weeks .....   | 86.00         | 95.00          |
| Three Weeks .....  | 66.00         | 72.00          |
| Two Weeks .....    | 45.00         | 48.00          |
| One Week .....     | 23.00         | —              |
| Daily .....        | 5.75          | —              |
| Breakfast .....    | 1.25          | —              |
| Lunch .....        | 1.75          | —              |
| Dinner .....       | 2.75          | —              |

Total Daily Room and Board for a single room is \$13.75; for a double room, \$11.75.

Charges for room and board are payable in advance at the opening of the summer session. Students attending eight-week or eleven-week sessions, may, however, elect to pay in two equal installments; the first is due June 17, payable not later than June 26, the second is due July 17, 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 payments are not prompt. Dormitory residents enrolled for short courses pay total charges upon arrival.

Charges for room and board are payable at the University Cashier's Office, Administrative Services Building; business hours are 9:00 a.m. to 4:00 p.m., including the noon hour, Monday through Friday.

**Off-Campus Housing.** Because of budgetary limitations, the University does not maintain a list of off-campus rentals. The local newspapers may be consulted for available community rentals.

Students may also consult the ASUO Off-Campus Housing Office, a student government program that provides rental referral and listings, and distributes information and advice on landlord-tenant law and lease contracts. The office is located in the EMU.

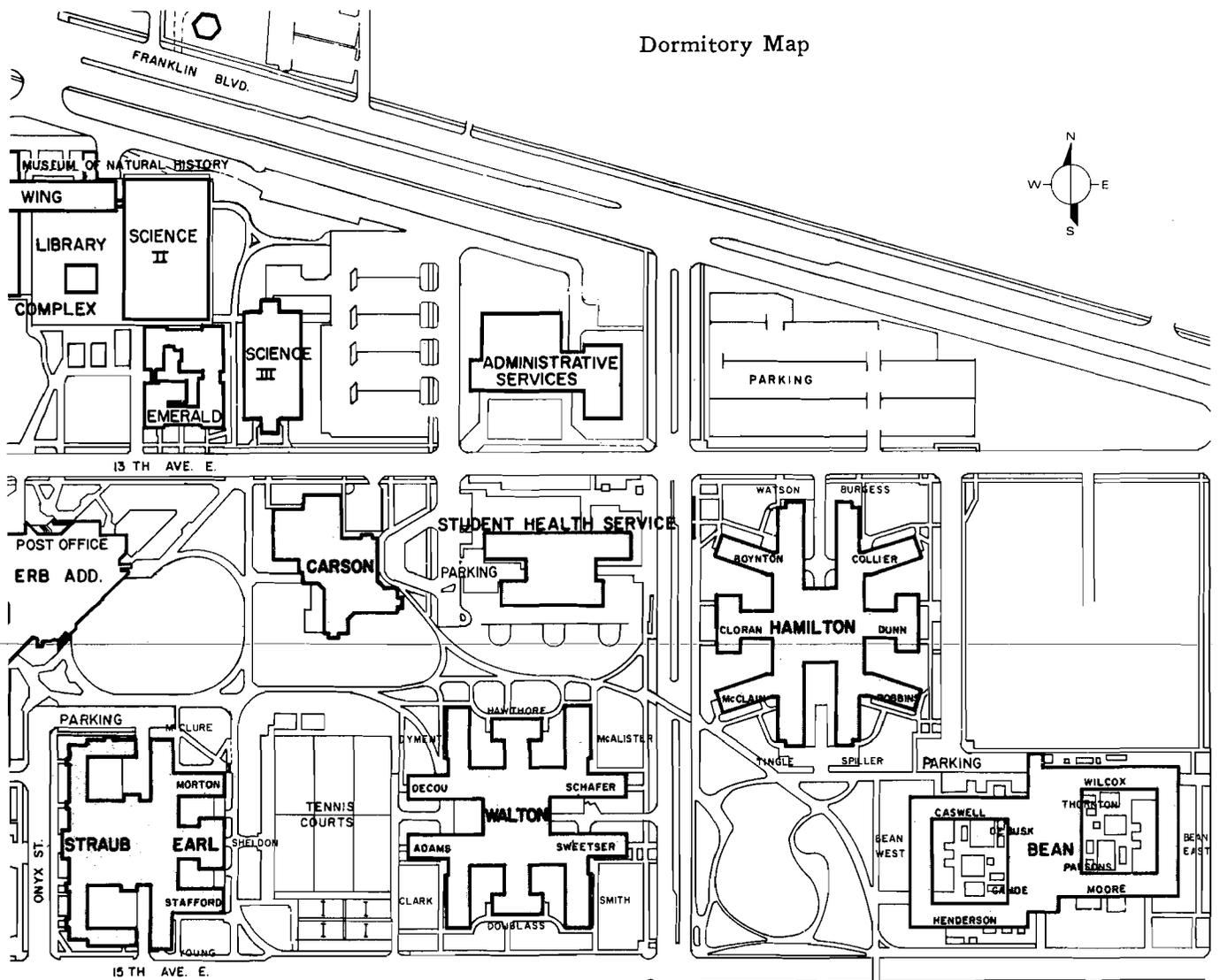
**Housing for Married Students.** The University operates housing units for married students, some of which are available for the summer session. Married students interested in these quarters should write as soon as possible to the Director of Housing, Carson Hall.

Dormitory facilities are available for married couples without children at the regular double-room and board rate for each person. Married couples, to be certain of accommodation, must make advance reservations with the Director of Housing.

**Summer Workshops and Conferences.** Organizers and sponsors of summer session workshops or conferences may consult the Conference Coordinator, Housing Office, Carson Hall, to arrange for housing and food service for those in attendance. Limited dormitory facilities are available for housing conference groups together.

**Mailing Address**

Mailing address for summer dormitory residents includes the notation "Summer Session Housing." "Hold for Arrival" may also be noted on the address when applicable.





# Courses of Instruction

## Course Numbering System

**100-299** Lower-division courses; freshman-sophomore level.

**300-499** Upper-division courses; junior-senior level.

**500-599** Graduate courses; all courses numbered in the 500s carry graduate credit, as do those in the 400s which have been approved by the Graduate Council. Approved courses in the 400s are designated in this catalog by (G) or (g) following the course title.

Courses designated (G) may form a part of either a major or a minor; courses designated (g) may be taken toward a minor or as graduate service courses, or, in certain circumstances, as part of an interdisciplinary master program.

Undergraduate enrollment in 400 courses designated (G) is generally restricted to seniors; undergraduate enrollment in 400 courses designated (g) is generally restricted to juniors and seniors.

Courses numbered in the 500s and designated (p) represent instruction offered at a level of intellectual maturity suitable for graduate students who have earned a bachelor degree in a field other than their professional field. Such courses carry credit toward a master degree, but this credit may not be counted toward the minimum requirement of 30 credit hours in the major.

Selected courses from the 400-410, 500-510 series which may be enrolled in for variable time periods have been assigned multiple *Term Line Numbers (TLN)* by the Office of the Registrar to indicate the intended date of completion (weeks 0-8 and 0-11). Grades are to be reported on the basis of the final week indicated, i.e., either week 8 or week 11.

The faculty listing includes only those known at the time of printing. If others are appointed, their names will appear in the *Summer Session Time Schedule of Classes*.

All classes meet on weekdays, unless evenings or weekends are specially noted.

## Research, Thesis, and Reading and Conference

All 501 and 503 courses are no-grade courses by faculty action.

Students working independently in 401 or 501 Research, 403 or 503 Thesis, or 405 or 505 Reading and Conference must secure the consent of an instructor and, in some cases, that of the dean or department head. To register for work in these courses, students will enter the departmental prefix, the appropriate undergraduate or graduate number, the course title (Research, Thesis, Read & Conf), and the number of credit hours arranged with the instructor.

In the *Summer Session Time Schedule of Classes* these six courses will be listed separately for each department, with a *Term Line Number (TLN)* for each. This will not apply to courses that have specific subject titles.

## Weekend Institutes

As an experiment, several weekend institutes are being offered in which topics of concern to business and professional people as well as to students and faculties and administrators of schools will be studied. These institutes will enable persons who are employed full-time to enroll in resident-credit programs designed to increase competencies and to expand their intellectual horizons.

In general, the institutes are scheduled every other weekend to provide time between sessions for students to

complete class assignments. A student may earn 3 credits, preferably ungraded, in an institute meeting three weekends; or 2 credits in an institute meeting two weekends. During each weekend, an institute will usually be in session for 11 hours: 8:00-10:00 p.m., Fridays; 9:00-12:00, 1:00-4:00, Saturdays, and three hours to be arranged on Sundays.

Since the institutes are experimental ventures, their structure is flexible. Although professors will provide an outline of the work to be completed, a bibliography, and suggested assignments, these guides may be subject to change in line with interests of members of the institutes.

There are tentative plans to offer institutes in the following subjects: educational psychology, educational counseling, religious studies, park and recreation management, creative writing, business management, and biology.

For further information about the institutes being offered and how to register, write Summer Session, University of Oregon, Eugene, Oregon 97403. It is essential that interested persons secure this information from Summer Session because, in most cases, preregistration is required.

## Honors College

Director, Edward Diller, D.M.L., Professor.

A program of independent study in the Honors College provides an unusual opportunity for a small number of highly qualified students to pursue an academic program entirely of their own design. Inquiries for more detailed information should be made at the Honors College office. Offered only for students accepted in the program, who may enroll under the following course number:

**HC 402. Independent Study. 1-17 credit hours.**

## Interdisciplinary Studies

In addition to specialized graduate work in the traditional fields of learning, the University provides opportunities for integrated interdisciplinary studies leading to an M.A. or M.S. degree. Included are programs planned according to the individual student's interests, and established programs of studies organized and administered through interdepartmental faculty committees.

Graduate students pursuing a program of interdisciplinary studies during the summer session may supplement courses offered by the several departments and schools with individualized studies, for which they may enroll under the following course numbers:

### **ISt 501. Research.**

Credit hours, time and place of meeting, and instructor to be arranged. No-grade course.

### **ISt 503. Thesis.**

Credit hours, time and place of meeting, and instructor to be arranged. No-grade course.

### **ISt 505. Reading and Conference.**

Credit hours to be arranged. No-grade course.

### **ISt 507. Seminar.**

Credit hours, time and place of meeting, and instructor to be arranged. No-grade course.

Direct inquiries to the Office of the Dean, University of Oregon Graduate School.

## Vacation College

The 1974 Vacation College, in its eleventh annual session, will be held from August 11 to August 18. Participants will live at the College Inn on the millrace in private rooms with baths. Class sessions and many of the recreational activities will be held in the Inn.

Each year the general theme of Vacation College is "Understanding Contemporary America." In 1974, Group I, led by Lawrence Ross, Jr., lawyer and business-law specialist, will study "Effective Communications." Group II, led by political scientist Judith Merkle, will study "Tradition and Change."

In addition to the group leaders, faculty consultants will lecture on their specialties and join Vacation College enrollees for lunch and dinner conversations. The specialists for 1974 are Joseph Allman, political scientist; Christopher Edson, educational historian; Edward Diller, professor of German and director of the Honors College; Susan Gilmore, psychologist; Benton Johnson, sociologist; Dominic LaRusso, professor of speech; Malcolm McFee, anthropologist; Claudine Naffziger, psychological associate; the Reverend Robert Peters; George Ralph, counselor; Frank Reithel, biochemist; and Robert Sylwester, professor of education.

Designed for adults, Vacation College has no entrance requirements and no examinations. It offers no college credit. Classes are held from 9:00 a.m. until 12:15 p.m. Later each day there are optional offerings of Swedish Slim and Trim, taught by Gerta Ross, and Yoga relaxation led by Leigh Engstrom. Recreation director Bill Jones conducts afternoon tours, but the afternoons are free for those who prefer to seek their own diversions. Special cultural and recreational programs are provided for entertainment every evening.

A fee of \$150 covers all expenses, including board and room, tuition, and tickets to plays, golf and bowling fees, and the like. Persons who do not take rooms nor breakfast in the Inn, pay \$110; those sharing a room pay \$140. Sons and daughters of high-school age may register and participate for the same fees.

For further information, write Grace Graham, director, Vacation College, College of Education, University of Oregon, Eugene, Oregon 97403.

# College of Liberal Arts

Acting Dean, Paul S. Holbo, Ph.D.

Associate Dean, Robert C. Albrecht, Ph.D.

Director of Academic Advising, Beverly Fagot, Ph.D.

The College of Liberal Arts includes the traditional disciplines in the humanities, sciences, and social sciences. Courses range from general introductions to such specialized courses as Elements of Atomic, Nuclear, and Solid State Physics. Many departments offer courses in the Summer Session designed for teachers and college faculty members. Although specific courses and programs may be vocational, the purpose of the College is to prepare its students to perform intellectual and imaginative operations. To study, to analyze, to create are three of the functions of mind supported and nurtured by the disciplines of the College. The faculty engages in these operations in their research, whether that research is specifically directed towards teaching or towards other public communication. To foster these habits of mind in their students is virtually the dedication of the faculty members. Some offerings are designed especially for the Summer Session, but the courses satisfy the degree requirements and are given by the faculty in the same spirit as those in other terms.

## Anthropology

Department Head, Don E. Dumond, Ph.D., Professor (New World archaeology).

C. Melvin Aikens, Ph.D., Associate Professor (New World archaeology).

Richard P. Chaney, Ph.D., Associate Professor (cross-cultural studies, social anthropology).

Charles J. Hoff, Ph.D., Assistant Professor (physical anthropology).

Richard G. Schmidt, Ph.D., Assistant Professor (North American ethnology).

Paul E. Simonds, Ph.D., Associate Professor (physical anthropology, primate behavior).

Philip D. Young, Ph.D., Associate Professor (Latin America, social anthropology).

For independent work in Research, Thesis, and Reading and Conference, see page 19.

**Eleven-week session** (June 18-August 30) courses offered in sequence, first term June 18-July 12; second term July 15-August 9; third term August 12-August 30.

**Anth 101, 102, 103. General Anthropology.** 3 credit hours first, second term; 2 credit hours third term.

*First term.* Man as a living organism; biological evolution; fossil man. Hoff. Meets 10:30-12:20 M, Tu, W, Th.

*Second term.* Prehistoric cultures. Schmidt. Meets 8:30-10:20 M, Tu, W, Th.

*Third term.* Organization and functioning of culture. Chaney. Meets 8:30-10:20 M, Tu, W, Th.

**Eight-week session** (June 18-August 9)

**Anth 408. Field Work in Anthropology (Archaeology).** (G) 6-12 credit hours.

Introduction to archaeological field techniques through excavation of local sites; lectures and laboratory techniques. Includes daily travel to sites outside Eugene. Consent of instructor is required. Aikens, staff. Meets 8:00-5:00 M-F.

### Additional Courses

**Anth 322. Biology of Living Human Populations.** 3 credit hours.

June 18-July 12. Genetic and biological structure of human populations; population dynamics and causes of diversity; analysis of genetically differentiated human populations and their geographic distribution. Prerequisite: 9 credit hours in anthropology, or consent of instructor. Hoff. Meets 2:30-4:20 M, Tu, W, Th.

**Anth 407. Seminar: Culture and Personality.** (G) 3 credit hours.

June 18-July 12. Interrelationship of group and individual conceptual frameworks in the study of human behavior. Prerequisite: 9 credit hours in social science or consent of instructor. Chaney. Meets 8:30-10:20 M, Tu, W, Th.

**Anth 418. The American Indian: Mexico and Central America.** (G) 3 credit hours.

July 15-August 9. Contact period and contemporary ethnography of native peoples; demography, socio-economic organization, and culture change. Prerequisite: 9 credit hours in anthropology, or consent of instructor. Young. Meets 10:30-12:20 M, Tu, W, Th.

**Anth 447. Kinship and Social Structure.** (g) 3 credit hours.

July 15-August 9. An empirical and theoretical examination of the interrelationship of kinship and the structure of society. Prerequisite: Anth 103, or Anth 301, 302, 303, or consent of instructor. Young. Meets 2:30-4:20 M, Tu, W, Th.

**Anth 475. Primate Behavior.** (G) 2 credit hours.

August 12-August 30. Ecology and ethology of free-ranging primates. Classification, distribution, and ecological relationships of the living primates; social structure and social organization of a variety of species. Materials drawn primarily from field studies;

secondarily from laboratory studies. Prerequisites: upper division standing or consent of instructor. Simonds. Meets 1:30-3:20 M, Tu, W, Th.

**Anth 506. Special Problems: Culture of Ecuador. 3 credit hours.**

June 29-July 27. Foreign study program offered in cooperation with Catholic University, Quito. First two weeks will be spent in Quito with lectures on Catholic University campus. Topics will include Ecuadorian cultural anthropology, geography, history, archaeology, folk arts. Second two weeks will be spent visiting archaeological sites at Ingapirca, Santa Elena, Valdivia, and Manta, and modern native peoples in various locations. Simultaneous translations will be provided for lectures in Spanish. Director of the program, Jennelle Moorhead; Associate Director, C. M. Aikens. Fee of \$997 includes round-trip air fare from Miami to Quito, Ecuador, transportation within Ecuador, field trips and excursions, hotel accommodations, three meals daily, and fee payment for six credit hours. This includes three hours of credit to be taken concurrently as EdF 508. Advance reservations required. Write to Jenelle Moorhead, University of Oregon, 1479 Moss Street, Eugene, Oregon 97403. (Registration in both this program and that in Peru, described below, may be made at a combined fee of \$1,952.)

**Anth 506. Special Problems: Archaeology of Peru. 3 credit hours.**

July 28-August 25. Foreign study program in Peru. Orientation lectures in Lima will cover modern Peru and recent archaeological discoveries. Site visits and field trips, with lectures, will be made to Cuzco, Huancayo, Huaraz, Chan Chan, Huaylas Valley, Trujillo, and other points. All lectures will be in English. Director of the program, Jennelle Moorhead; Associate Director, C. M. Aikens. Fee of \$1,148 includes round-trip air fare from Miami to Lima, Peru, transportation within Peru, field trips and excursions, hotel accommodations, most meals, and fee payment for six credit hours. This includes three hours credit to be taken concurrently as EdF 508. Advance registration required. Write to Jennelle Moorhead, University of Oregon, 1479 Moss Street, Eugene, Oregon 97403. (Registration in both this program and that in Ecuador, described above, may be made at a combined cost of \$1,952.)

## Biology

Department Head, Sanford S. Tepfer, Ph.D., Professor (plant meristems; organ culture).

William E. Bradshaw, Ph.D., Assistant Professor (environmental physiology; physiological ecology).

Michael I. Cousens, Ph.D., Visiting Assistant Professor (fern ecology and genetics).

C. Lee Gass, M.S., Visiting Instructor (feeding behavior, energy requirements in hummingbirds).

Daniel W. Gleason, B.S., Visiting Instructor (ornithology).

Gordon J. Murphy, M.S., Senior Instructor (natural history; teacher education).

Murray W. Nabors, Ph.D., Visiting Assistant Professor, Colorado State University (plant morphogenesis; water transport).

Robert A. Voelker, Ph.D., Visiting Assistant Professor, North Carolina State University (population genetics).

Wayne A. Wiitanen, Ph.D., Assistant Professor (neurobiology; computer applications in biology).

For independent work in Research, Thesis, and Reading and Conference, see page 19.

### Eleven-week session (June 18-August 30)

**Bi 407. Seminar. (G)**

Credit hours to be arranged.

**Bi 408. Laboratory Projects. (G)**

Credit hours to be arranged.

### Eight-week session (June 18-August 9)

**Bi 102. Animal Biology. 4 credit hours.**

The principles of insect structure and function, and of social behavior, will be presented in the context of social insects. Bee, ant, wasp, and termite societies will form the primary focus of the course Wiitanen. Meets 9:30-11:30 M, W, Th, plus one three-hour laboratory per week, 1:30-4:20 M or W. (This course does not meet requirements for the major in Biology.)

**Bi 106. Principles of Evolution. 4 credit hours.**

The elementary biological principles involved in the development of diverse life forms, illustrated by examples from selected animals and plants. Nabors. Meets 8:00-9:20 M, Tu, W, Th, plus one two-hour laboratory, demonstration or discussion 9:30-11:20 Tu or Th, or 11:30-1:20 Tu or Th, each week. (This course does not meet requirements for the major in Biology.)

**Bi 232. The Biology of Common and Useful Plants. 4 credit hours.**

The origins of agriculture and civilization. Plant structure and function. Plant sex and life cycles. Artificial and natural selection. Horticulture and house plants. Ethnobotany of contemporary peoples. Plant pathology, herbicides and pesticides. The world's agricultural zones and productivity. Natural and artificial plant communities. Botanical and natural mythology in literature and life. Cousens. Meets 11:30-1:20 M, W, F plus one three-hour laboratory or field trip, 1:30-5:20 Tu or Th, each week. Possible assessment to cover field trip costs. (This course does not meet requirements for the major in Biology.)

**Bi 307. Evolution and Ecology. 4 credit hours.**

The relationship of organisms to their environment in space and time: the evolution of species and populations, factors controlling the distribution and abundance of organisms, and community and systems ecology. Bradshaw. Meets 10:30-12:20 Tu, Th, plus four all-day field trips. An assessment will be made for transportation costs.

**Bi 376. Natural History of Oregon. 4 credit hours.**

Plants and animals of Oregon; their identification and study of factors relating to their occurrence, distribution and abundance. Of particular value to prospective teachers planning to teach in Oregon. Murphy. Meets 7:00-8:50 M, W, Th evenings; four all-day field trips will be scheduled on weekends. Dates to be arranged. Transportation charges in addition to registration fees are \$11.00

**Bi 407. Seminar. (G)**

Credit hours to be arranged.

**Bi 408. Laboratory Projects. (G)**

Credit hours to be arranged.

**Bi 422. Genetics. (G) 3 credit hours.**

A study of the transmission and regulation of the hereditary material in eucaryotic organisms including classical gene mapping and somatic cell genetics, sex determination, genome structure and change, developmental genetics, and an introduction to population

genetics. Prerequisites: One year of college biology. Voelker. Meets 8:00-9:20 M, W, F.

**Bi 423. Genetics Laboratory. (G) 2 credit hours.**

An experimental approach to the transmission and regulation of the hereditary material in eucaryotes, including population genetics. Biochemical genetics and developmental genetics. Consent of instructor is required. Voelker. Meets 9:30-12:20 M, W, F.

**Bi 439. Field Botany. (G) 4 credit hours.**

Field study and identification of the flora of Northwest Oregon. Vascular plants will be emphasized, but algae, fungi and mosses will be considered as they are met in the field. Recognition of diverse plant communities; utilization of materials for laboratory teaching. Tepfer. Meets 1:30-5:20 Tu, Th. All-day field trips to the Cascades and to the Coast will be arranged, in addition to local trips. An assessment will be made for transportation costs. Prerequisite: one year of biology or consent of instructor.

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

Natural history and identification of birds involving field work and supporting laboratory activities. Study will include aspects of structural adaptation, behavior, distribution, migration and ecology. Consideration of the relationship of human activities to breeding success of birds; birds as possible indicators of environmental conditions. Of special value to teachers. Consent of instructor is required. Gleason. Meets 6:00-9:20 Tu, Th, early morning; all-day field trips on four weekends. Dates to be arranged. There may be an assessment to cover field trip costs.

**Bi 494. Laboratory and Field Methods. (G) 4 credit hours.**

Designed for current and prospective biology teachers. Based on the assumption that people who are aware of how they themselves learn can best help others learn. Intensive experiential work on the processes of observing, hypothesizing, and concluding in the laboratory and in the field. Emphasis on sharpening teachers' abilities to create teaching tools and strategies to meet specific learning problems. Gass. Meets 1:30-5:20 M, W. Several overnight or all-day field trips will be scheduled; students will share transportation costs.

**Bi 502. Supervised College Teaching.**

Credit hours to be arranged.

**Bi 507. Seminar.**

Credit hours to be arranged.

## Oregon Institute of Marine Biology

Paul P. Rudy, Ph.D., Director of Oregon Institute of Marine Biology, Associate Professor of Biology.

Robert C. Terwilliger, Ph.D., Assistant Director of Oregon Institute of Marine Biology, Assistant Professor of Biology (comparative physiology).

John S. Barclay, Ph.D., Assistant Professor of Zoology, Oklahoma State University (marine birds and mammals). Visiting Assistant Professor of Biology.

James N. Cather, Ph.D., Professor of Zoology, University of Michigan, Ann Arbor, Michigan (comparative and experimental invertebrate embryology). Visiting Professor of Biology.

Byron E. Lippert, Ph.D., Associate Professor of Biology, Portland State University (algae). Visiting Associate Professor of Biology.

Bayard H. McConnaughey, Ph.D., Professor of Biology, University of Oregon (invertebrate zoology).

Robert W. Morris, Ph.D., Professor of Biology, University of Oregon (biology of fishes).

For independent work in Research, Thesis, and Reading and Conference, see page 19.

### Eight-week session (June 18-August 9)

The following courses will be offered at the Oregon Institute of Marine Biology, Charleston, Oregon. A detailed description of these courses is published in a special announcement, available upon request to the Director, Oregon Institute of Marine Biology, Charleston, Oregon, 97420. An application, available with the announcement, must be submitted as soon as possible in order to enroll at this institute.

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

**Bi 408. Laboratory Projects.**

Credit hours to be arranged.

**Bi 413. Comparative Physiology. (G) 8 credit hours.**

Lectures and laboratory experiments with emphasis on digestion, respiration, osmoregulation, excretion, and muscle physiology of major animal groups. Prerequisites: Cell or general physiology, organic chemistry, college zoology or consent of the instructor. Class will be limited to 12. Terwilliger. Lectures and laboratory meet 8:00-4:50 M, W, F, plus other times to be arranged.

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

Structure, systematics, life history, and ecology of representative marine and fresh water algae. Lippert. Meets 8:00-4:50 Tu, Th, plus other times to be arranged.

**Bi 458. Marine Birds and Mammals. (G) 4 credit hours.**

An introduction to some general principles of ecology, ethology, and systematics as demonstrated through study of birds and mammals of the Oregon coast. First-hand observation and identification of animals in the field. Study of comparative faunas from the open sea to the inland dry communities. Students are advised to register also for an additional two to four credits of Bi 408 Laboratory Projects for study of related topic. Prerequisites: An introductory biology course and good boots. Barclay. Meets 8:00-4:50 Tu, Th, plus other times to be arranged.

**Bi 461. Invertebrate Zoology. (G) 8 credit hours.**

Survey of representative invertebrate groups, with emphasis on marine forms, morphology, systematics, life history, and ecology. McConnaughey. Meets 8:00-4:50 M, W, F, plus other times to be arranged.

**Bi 482. Comparative and Experimental Invertebrate Embryology. (G) 8 credit hours.**

Lecture and laboratory dealing with the modes of development of the major invertebrate groups, the identification of common larval forms, the methods utilized in obtaining and rearing embryos and larvae of marine animals, and the methods used in the execution of fundamental experiments for the analysis of development. Cather. Meets 8:00-4:50 M, W, F, plus other times to be arranged.

**Bi 502. Supervision of College Teaching.**

Credit hours to be arranged.

**Bi 551. Biology of Fishes. (G) 8 credit hours.**

Anatomy, development, and systematics of fishes found in the Coos Bay region. Morris. Meets 8:00-4:50 M, W, F, plus other times to be arranged.

## Chemistry

Department Head, William T. Simpson, Ph.D., Professor (physical chemistry).

Donald F. Swinehart, Ph.D., Professor (physical chemistry).

For independent work in Research, Thesis, and Reading and Conference, see page 19.

**Eleven-week session** (June 18-August 30) courses offered in sequence, first term June 18-July 23; second term July 24-August 30.

**Ch 331, 332. Organic Chemistry. 3 credit hours each term.**

Two-term sequence. Study of the compounds of carbon, their structure, reactions, and applications. Designed primarily for premedical students. Prerequisite: Ch 106 or Ch 206 with a grade of C or better. Meets 10:30 M-F.

**Ch 337, 338. Introductory Organic Laboratory. 2 credit hours each term.**

Two-term sequence. The principles and techniques of laboratory practice in organic chemistry. Prerequisite: Ch 109 or Ch 209 with a grade of C or better. Meets 1:30-5:20 M, W or Tu, Th.

**Ch 409. Special Laboratory Problems. (G)**

Credit hours to be arranged. Students wanting laboratory instruction not classifiable as research or thesis may enroll under this number.

**Eight-week session** (June 18-August 9)

**Ch 324. Quantitative Analysis. 5 credit hours.**

Laboratory work devoted mainly to volumetric analysis. Satisfies the requirements in quantitative analysis for admission to medical or dental schools. Swinehart. Meets 9:30 M, Tu, W, Th, plus laboratory 1:30-4:20 M, Tu, Th.

**Ch 409. Special Laboratory Problems. (G)**

Credit hours to be arranged. Students wanting laboratory instruction not classifiable as research or thesis may enroll under this number.

**Ch 429. Survey of Analytical Chemistry. (g) 5 credit hours.**

Lectures on the fundamentals of quantitative analysis; laboratory work devoted mainly to volumetric analysis. Intended to satisfy the needs of secondary teachers and others not majoring in chemistry. Swinehart. Meets 9:30 M, Tu, W, Th, plus laboratory 1:30-4:20 M, Tu, Th.

## Chinese and Japanese Languages

Acting Department Head, Angela Jung Palandri, Ph.D., Associate Professor of Chinese (Chinese poetry).

Stephen W. Kohl, M.A., Instructor (Japanese language and literature).

Yoko M. McClain, M.A., Instructor (Japanese language and literature).

For independent work in Research, Thesis, and Reading and Conference, see page 19.

**Eleven-week session** (June 18-August 30)

**OL 104, 105, 106. Second Year Japanese. 5 credit hours each term.**

Designed to increase the use of characters and grammatical patterns and to build fluency in reading, writing, and conversation. First term, McClain. Second term, McClain and Kohl. Third term, Kohl. Meets 8:30-11:20 M-F plus laboratory.

## Classics (Latin and Greek)

Acting Department Head, Angela Jung Palandri, Ph.D., Associate Professor of Chinese (Chinese poetry).

C. Bennett Pascal, Ph.D., Associate Professor of Classics (Latin and Greek literature, Roman religion).

John L. Reavis, B.A., Instructor in Classics (Greek and Latin literature).

Linda J. Vadimski, B.A., Teaching Fellow in Classics (Latin literature).

For independent work in Research, Thesis, and Reading and Conference, see page 19.

**Eleven-week session** (June 18-August 30) courses offered in sequence, first term June 18-July 12; second term July 15-August 9; third term August 12-August 30.

**CL 60, 61, 62. First-Year Latin. 4 credit hours first two terms; 3 credit hours third term.**

*First term.* First-Year Latin. Pascal.

*Second term.* First-Year Latin. Pascal.

*Third term.* First-Year Latin; readings in Latin prose and poetry. Vadimski.

Covers all the basic grammar of Latin and provides enough practice in reading Latin for admission to a second-year course or for use in research in related fields. Meets 8:30-10:20 M-F.

**Eight-week session** (June 18-August 9)

**CL 199. Special Studies. 1-3 credit hours.**

Development in reading skills, for students who have just completed the first or second year of Latin or Greek; refresher course for students who have not studied Latin or Greek recently. Prerequisite: CL 52, CL 62, or one year of college Latin or Greek, or the equivalent. Vadimski and staff. Times to be arranged.

**AL 407. Troy Story. (G) 3 credit hours.**

Lectures and reading in English to include Homer and the post-Homeric literature about the Fall of Troy and vicissitudes of the Greek and Trojan heroes. Reavis. Meets 9:30 M, Tu, W, Th, plus independent research in either the Greek or Latin originals for Classics majors.

# Computer Science

Department Head, David Moursund, Ph.D., Associate Professor (computers in education, numerical analysis).

Clifford Burns, M.A., Teaching Fellow (computers in education).

Peter Moulton, Ph.D., Assistant Professor (programming languages and methods).

Larry Reeker, Ph.D., Assistant Professor (programming languages and methods).

Diana Killen, M.S., Instructor (business applications programming).

Michael Dunlap, M.A.T., Teaching Fellow (computers in education).

Michael Neill, M.S., Visiting Instructor (computers in education).

John Shirey, M.A., Teaching Fellow (computers in education).

For independent work in Research, Thesis, and Reading and Conference, see page 19.

The Computer Science Department offers a wide variety of service courses and courses applicable towards a bachelor degree in computer science or an interdisciplinary master degree in computer science-education. The master degree in computer science-education is particularly suitable for teachers in the secondary school, community college, or small college. This program may be completed in three summers if the candidate has an adequate background in computer programming. Candidates with little or no background in computer programming usually will require four summers to complete the program.

All of the courses listed below have been scheduled for Summer 1974. In subsequent years, the intent is to alternate three or four of these courses with some additional courses especially designed for either teachers or undergraduates, or both, in computer science.

For example, courses in structure of programming languages and in discrete structures will be offered in Summer 1975, alternating with numerical analysis and computer systems.

The University of Oregon has good computing facilities, mostly housed in a modern air-conditioned building. Facilities include an IBM 360/50 used for batch processing, a PDP-10 with a number of remote terminals used for time shared computing, and a number of miniature computers supplementing laboratory equipment.

Direct inquiries for additional information about degree programs to the department head, David Moursund.

## Eight-week session (June 18-August 9)

### CS 221. Concepts of Computing. 2-3 credit hours.

Introduction to the capabilities and limitations of computers, survey of current applications. Not a computer programming course, although students taking the 3-credit option will write and run some simple programs in the language BASIC. Shirey, Meets 10:30 M, Tu, Th, with the 3-credit option meeting also on W.

NOTE: Students registering for any of the courses that follow will be required to work in the computer laboratory in addition to their hours in classes.

### CS 231. Introduction to Business Data Processing. 4 credit hours.

First term of the sequence CS 231, CS 331, CS 431. Basic principles of computation and programming using the language BASIC.

Examples and applications will be taken from the area of Business Data Processing. Prerequisite: Mth 101 or equivalent. Meets 8:30 M, Tu, W, Th.

### CS 233. Introduction to Numerical Computation. 4 credit hours.

Introduction to FORTRAN programming and fundamental principles of problem analysis and solution via digital computer. Prerequisite: Mth 101 or equivalent. Two sections: 9:30 M, Tu, W, Th; 12:30 M, Tu, W, Th.

### CS 245. Time-shared Computing. 2 credit hours.

Introduction to time-shared computing on a large time-shared computer. Use of line and text editors to create files; manipulation of files; programming in several time-shared languages. Prerequisite: CS 233 or equivalent knowledge of programming in a batch-processing mode. Self-study, help sessions available 1:30-3:20 M, Tu, W, Th. A no-grade course.

### CS 290. Special Studies: FORTRAN. 2 credit hours.

An introduction to batch-processed FORTRAN for students who have a working knowledge of time-shared BASIC. This is a self-study course with optional attendance at regularly scheduled help sessions. Prerequisite: CS 231 or equivalent knowledge of programming in BASIC. Help sessions available 1:30-3:20 M, Tu, W, Th. A no-grade course.

### CS 407. Seminar: Computer Graphics. (g) 4 credit hours.

Introduction to computer graphics covering both hardware and software. Students will be involved in programming projects making use of the University of Oregon's graphic facilities on the PDP-10. Prerequisite: Ten to twelve credit hours of computer science courses including an introduction to machine or assembly language programming. Meets 12:30 M, Tu, W, Th.

### CS 407. Seminar: Computer Systems. (g) 4 credit hours.

Introduction to the organization of digital computers and operating systems. Topics include an introduction to the logic of computers, memory systems, data flow, and the organization of a digital computer, the design of operating systems with emphasis on hardware-software integration, and organization of time-shared systems. Prerequisite: Ten to twelve credit hours of computer science courses including an introduction to machine or assembly language programming. Meets 9:30 M, Tu, W, Th.

### CS 407. Seminar: PDP-10 Assembly Language. (g) 4 credit hours.

Introduction to MACRO-10, the assembly language of the Digital Equipment Corporation PDP-10. Students will write and run a number of MACRO-10 programs using the time-shared system. Prerequisite: Six to eight credit hours of computer science courses. Meets 11:30 M, Tu, W, Th.

### CS 407. Seminar: Programming Methods for Teachers. (g) 4-6 credit hours.

Students who have had previous computing experience will register for only 4 credit hours. Comprehensive introduction to the programming languages BASIC and FORTRAN and the fundamental principles of problem analysis and solution via digital computer. Role of the computer in the secondary school is an integral concern throughout. Development of computer science curriculum, use of computers in other subject fields, and computers in school administration. Prerequisite: Teaching experience or consent of instructor. Neill. Meets 8:30 M-F.

### CS 407. Seminar: Searching and Sorting. (g) 4 credit hours.

Introduction to techniques of searching and sorting including a study of data organization and methods for the analysis of search-

ing and sorting algorithms. Prerequisite: Six to eight credit hours of computer science courses. Moulton. Meets 8:30 M, Tu, W, Th.

**CS 407. Seminar: Simulation and Modeling. (g) 4 credit hours.**

An introduction to simulation and modeling. The emphasis will be upon applications and critical analysis of simulation and modeling. Students will study some noncomputer-implemented modeling, will use some already written simulation programs, and will write and run some simple simulation programs. Prerequisite: Four credit hours of computer science courses or concurrent enrollment in Programming Methods for Teachers. Reeker. Meets 1:30 M, Tu, W, Th.

**Mth 407. Seminar: Elementary Numerical Analysis. (g) 4 credit hours.**

An introduction to numerical analysis with emphasis on classes of problems that allow effective use of computers. Designed to be of particular interest to secondary school mathematics and science teachers. Topics include solution of equations, table generation, computation of areas, difference equations and error analysis. Prerequisite: one year of college mathematics including one term of calculus; one term of computer programming or concurrent enrollment in CS 407 Programming Methods for Teachers. Wolfe. Meets 10:30 M-F.

**CS 410. PL/I Programming. (g) 4 credit hours.**

An introduction to the programming language PL/I, with emphasis upon business-data processing. Prerequisite: Six to eight credit hours of computer science courses. Meets 1:30 M, Tu, W, Th.

**CS 421. FORTRAN in an Operating Environment. (g) 4 credit hours.**

Discusses advanced programming techniques and the capabilities and limitations of FORTRAN IV in an IBM 360 operating environment. Neill. Meets 9:30 M, Tu, W, Th.

**CS 471. Introduction to Computers in Education. (g) 4 credit hours.**

A survey of computers in education, involving some programming in the language BASIC and a survey of instructional and administrative uses of computers in education. Prerequisite: One year of high school algebra, and either formal training or experience or both, in the field of education. Burns. Meets 11:30 M, Tu, W, Th.

**CS 507. Seminar: Formal Description of Programming Language Semantics. 4 credit hours.**

Methods of describing the semantics of programming languages for purposes of standardization, reference, pedagogy, and automatic translator writing. Comparison of several different approaches including the Vienna definition language. Applications in automatic compiler generation, extensibility, and metacompiling. Prerequisite: One term of structure of programming languages or equivalent. Reeker. Meets 2:30 M, Tu, W, Th.

**CS 507. Seminar: Teaching Computer Literacy. 2-4 credit hours.**

A sequence of lecture and discussion sessions on the topic of computer literacy and the materials useful for teaching computer literacy at both the secondary school and the freshman college level. Consent of instructor is required. D. Moursund. Meets 2:30-4:20 M, W.

**CS 507. Seminar: Computer Curriculum Materials. 2-4 credit hours.**

A sequence of lecture and discussion sessions on curriculum materials useful for teaching about computers and teaching using

computers, with special emphasis upon materials useful at the secondary school level. Dunlap. Consent of instructor is required. Meets 2:30-4:20 Tu, Th.

**CS 507. Seminar: Structured Program Design. 4 credit hours.**

A study of recent developments in programming methodology including stepwise refinement, structured programming, and program verification. Emphasis will be upon practical application of these methods to program design and analysis rather than formal methods and systems. Prerequisite: ability to program in at least two programming languages plus a term of structure of programming languages or equivalent. Moulton. Meets 10:30 M, Tu, W, Th.

## Economics

Department Head, Robert Campbell, Ph.D., Professor (history of thought).

Henry N. Goldstein, Ph.D., Professor (international finance).

H. T. Koplín, Ph.D., Professor (economic theory).

Barry N. Siegel, Ph.D., Professor (monetary theory).

W. Ed Whitelaw, Ph.D., Associate Professor (regional and urban economics).

For independent work in Research, Thesis, and Reading and Conference, see page 19.

### Eight-week session (June 18-August 9)

**Ec 199. Special Studies in Analytical Methods. 1 credit hour.**

To be taken in conjunction with Ec 376. Applications of simple mathematical methods to problems in intermediate economic analysis.

**Ec 201. Introduction to Economic Analysis. 3 credit hours.**

A systematic introduction to the tools and methods of economic analysis, designed to provide the nonmajor student with the basis for an understanding of economic issues and problems. Whitelaw. Meets 11:30 M, Tu, W, Th.

**Ec 323. International Finance. 3 credit hours.**

The nature of foreign-exchange markets; techniques of international payments; exchange rates and their determination, problems of an international monetary standard; international banking facilities; economic aspects of major international organizations. Goldstein. Meets 2:30 M, Tu, W, Th.

**Ec 375. Intermediate Economic Analysis. 3 credit hours.**

Income and employment theory. Prerequisite: Ec 201. May be taken concurrently with Ec 376. Siegel. Meets 1:30 M, Tu, W, Th.

**Ec 376. Intermediate Economic Analysis. 3 credit hours.**

Theory of the consumer; theory of the firm; determination of prices in various kinds of markets. Prerequisite: Ec 201. May be taken concurrently with Ec 375. Koplín. Meets 11:30 M, Tu, W, Th.

**Ec 412. Money, Banking, and Economic Stabilization. (G) 3 credit hours.**

Commercial bank behavior and monetary control; nonbank financial intermediaries and the problem of monetary control; "free reserves" and other indicators and targets of monetary control; fiscal policies versus monetary policies as tools for economic

stabilization. Prerequisite: Ec 201. Siegel. Meets 9:30 M, Tu, W, Th.

**Ec 429. Public Finance. (G) 3 credit hours.**

Principles of government expenditure, taxation, and regulatory policy. Public goods, external costs and benefits, income redistribution. Alternative financial policies. Only minor attention is given macroeconomic fiscal and monetary policy. Prerequisite: Ec 201. Koplin. Meets 10:30 M, Tu, W, Th.

**Ec 507. Seminar.**

Credit hours to be arranged.

## English

Department Head, Roland Bartel, Ph.D., Professor (English education, romanticism).

Lucile F. Aly, Ph.D., Associate Professor (rhetoric, teacher education).

Constance Bordwell, M.A., Assistant Professor (writing, applied linguistics).

James L. Boren, Ph.D., Assistant Professor (Old and Middle English).

Edwin L. Coleman, Jr., Ph.D., Assistant Professor (black literature).

Susann Gipson, B.A., Lecturer (modern literature).

Clark Griffith, Ph.D., Professor (American literature).

Stanley B. Greenfield, Ph.D., Professor (Old and Middle English).

John A. Haislip, Ph.D., Associate Professor (poetry writing).

James E. Hoard, Ph.D., Associate Professor (linguistics).

Thomas Hughes, D.A., Teaching Fellow (folklore).

Joseph A. Hynes, Ph.D., Professor (modern literature, fiction).

Robert D. King, Ph.D., Visiting Professor (linguistics).

Glen A. Love, Ph.D., Associate Professor (rhetoric, American literature).

Richard M. Lyons, M.F.A., Associate Professor (fiction writing).

Stanley R. Maveety, Ph.D., Professor (Renaissance, Bible literature).

Ann Marie Prengaman, D.A., Teaching Fellow (modern thriller).

William Rockett, Ph.D., Associate Professor (Renaissance).

Barbara N. Ruland, Ph.D., Visiting Associate Professor (medieval).

Richard Ruland, Ph.D., Visiting Professor (criticism).

Irma Z. Sherwood, Ph.D., Associate Professor (18th Century literature).

Clarence Sloat, Ph.D., Associate Professor (linguistics).

Richard C. Stevenson, Ph.D., Associate Professor (English novel).

Charles Sullivan, M.A., Teaching Fellow (science fiction).

Nathaniel Teich, Ph.D., Assistant Professor (romanticism, literary criticism).

J. Barre Toelken, Ph.D., Professor (folklore).

For independent work in Research, Thesis, and Reading and Conference, see page 19.

**Eight-week session (June 18-August 9)**

## Literature

**Eng 104. Introduction to Literature. 3 credit hours.**

Study of literature and the nature of literary experience through the reading of great works of fiction, drawn from English and other literatures. Works representing the principal literary types are read in their entirety when possible, with emphasis on such elements as structure, style, characterization, imagery, and symbolism. Stevenson. Meets 12:30 M, Tu, W, Th.

**Eng 106. Introduction to Literature. 3 credit hours.**

See course description for English 104 above. English 104 concentrates on the study of fiction, English 106 on the study of poetry. Greenfield. Meets 1:30 M, Tu, W, Th.

**Eng 109. World Literature. 3 credit hours.**

Study of the literary and cultural foundations of the western world through the analysis of a selection of masterpieces of literature, ancient and modern, read in chronological order. The readings include continental, English, and American works. Third term of a three-term sequence, but may be taken out of sequence order. Meets 12:30 M, Tu, W, Th.

**Eng 199. American Detective Fiction. 3 credit hours.**

A study of selected works by Dashiell Hammett, Raymond Chandler, and Ross Macdonald. The course will concentrate on the literary and cultural significance of these writers in the context of twentieth-century California. Boren. Meets 11:30 M, Tu, W, Th.

**Eng 199. Literature and Language of Blues and Jazz. 3 credit hours.**

An exploration of Afro-American culture through the literature and linguistic framework of blues and jazz, and the social, political, and economic forces in American history that helped to shape the music and to determine the course it took. Coleman. Meets 8:30 M, Tu, W, Th.

**Eng 199. Mythology and Literature. 3 credit hours.**

A study of mythology and the literary archetypes produced by creative mythic processes whether cultural or individual. Hughes. Meets 12:30 M, Tu, W, Th.

**Eng 199. Special Studies. 1-3 credit hours.**

**Eng 201. Shakespeare. 3 credit hours.**

Study of the important plays—comedies, histories, and tragedies. Required for English majors. First term of a three-term sequence, may be taken out of sequence order. I. Sherwood. Meets 8:30 M, Tu, W, Th.

**Eng 202. Shakespeare. 3 credit hours.**

See course description for English 201 above. Second term of a three-term sequence, but may be taken out of sequence order. Maveety. Meets 10:30 M, Tu, W, Th.

**Eng 250. Introduction to Folklore and Myth. 3 credit hours.**

Study and discussion of the processes and genres of traditional, i.e., folk patterning; the relations between these forms of expres-

sion and other formal arts, especially English and American literature. Toelken. Meets 11:30 M, Tu, W, Th.

**Eng 255. Survey of American Literature. 3 credit hours.**

American literature from its beginnings to the present day. Third term of a three-term sequence, may be taken out of sequence order. Meets 10:30 M, Tu, W, Th.

**Eng 321. English Novel. 3 credit hours.**

Rise of the novel from Defoe to Austen. Stevenson. Meets 10:30 M, Tu, W, Th.

**Eng 394. Twentieth-Century Literature. 3 credit hours.**

A critical survey of British, American, and some European literature from 1890 to the present; significant works of poetry, drama, and fiction studied in relation to intellectual and historical development. First term of a three-term sequence. Hynes. Meets 11:30 M, Tu, W, Th.

**Eng 395. Twentieth-Century Literature. 3 credit hours.**

See course description for English 394 above. Second term of a three-term sequence, may be taken out of sequence order. Gipson. Meets 9:30 M, Tu, W, Th.

NOTE: A prerequisite for all Eng 400-level course numbers is junior standing or above.

**Eng 407. Seminar: Black Literature for Teachers. (G) 3 credit hours.**

An introduction to the study of black American literature through music, folk literature, essays, and fiction, with emphasis on the social and aesthetic approach. For teachers and nonteachers. Coleman. Meets 10:30 M, Tu, W, Th.

**Eng 407. Seminar: Creative Writing for Teachers. (G) 3 credit hours.**

Designed to give the experience of writing creatively, the experience of criticizing creative writing in presence of others, and the experience of individual conferences about creative writing. The course aims to give some tried and proven procedures and, above all, some confidence and some knack for helping students in their development as creative writers. Haislip. Meets 2:30 M, Tu, W, Th.

**Eng 407. Seminar: Modern Poetry. (G) 3 credit hours.**

A detailed study of three or four contemporary American poets working in open forms. Haislip. Meets 9:30 M, Tu, W, Th.

**Eng 407. Seminar: Science Fiction. (G) 3 credit hours.**

A survey of science fiction from H. G. Wells to Harlan Ellison. Discussions will cover history and backgrounds, types, and socio-cultural implications of science fiction. Sullivan. Meets 11:30 M, Tu, W, Th.

**Eng 407. Seminar: The Modern Thriller. (G) 3 credit hours.**

Study and evaluation of the modern popular arts genre, the "Thriller" novel, or, the novel of sensation. Prengaman. Meets 8:30 M, Tu, W, Th.

**Eng 407. Seminar: Seventeenth-Century Poetry and Theology. (G) 3 credit hours.**

A study of sacramental theory in Herbert Crashaw and Milton. Rockett. Meets 2:30-5:20 W.

**Eng 409. Tutoring Practicum. (G)**

Credit hours to be arranged.

**Eng 416. History of Literary Criticism. (G) 3 credit hours.**

See course description for Eng 414 above. Third term of a three-term sequence; may be taken out of sequence order. Handy. Meets 9:30 M, Tu, W, Th.

**Eng 419. American Folklore. (G) 3 credit hours.**

A study of native American folklore; its connections in American history and culture; its role in the development of the writings of selected American authors (e.g., Hawthorne, Melville). Toelken. Meets 10:30 M, Tu, W, Th.

**Eng 428. Chaucer. (g) 3 credit hours.**

As much of Chaucer's work read as time permits. Boren. Meets 1:30 M, Tu, W, Th.

**Eng 461. English Romantic Writers. (G) 3 credit hours.**

Studies in the variety of romantic thought and expression. Wordsworth, Coleridge, Hazlitt, and other writers of the age of revolution. Feich. Meets 8:30 M, Tu, W, Th.

**Eng 479. American Literature Before 1900. (G) 3 credit hours.**

An intensive study of the American literary tradition; realism and naturalism. Griffith. Meets 11:30 M, Tu, W, Th.

**Eng 491. History of the English Language. (g) 3 credit hours.**

The study of the linguistic origins and development of English for prospective teachers of English. Sloat. Meets 8:30 M, Tu, W, Th.

**Eng 492. Modern English Grammar. (g) 3 credit hours.**

Study of modern English linguistics for prospective teachers of English. Sloat. Meets 10:30 M, Tu, W, Th.

**Eng 493. Advanced English Grammar. (g) 3 credit hours.**

A detailed examination of modern English grammars. Hoard. Meets 9:30 M, Tu, W, Th.

**Eng 507. Seminar: Contemporary British Fiction. 5 credit hours.**

A study of important British novelists since the late thirties; e.g., Beckett, Lessing, Burgess, others. Consent of instructor is required. Hynes. Meets 1:30-3:20 Tu, W, Th.

**Eng 520. History and Structure of the English Language. 5 credit hours.**

Covers the same features of the language as Eng 491, but with a more detailed consideration of historical background and recent theories. Meaning and vocabulary stressed. Hoard. Meets 8:30 M, Tu, W, Th.

## Writing

**Wr 121. English Composition. 3 credit hours.**

Fundamentals of expository prose; frequent written themes. Special attention to substance and structure in written discourse. Four sections: meets 8:30, 10:30, 11:30, or 12:30 M, Tu, W, Th.

**Wr 243. Introduction to Imaginative Writing. 3 credit hours.**

Introductory course for students interested in the techniques of writing poetry, and in the development of a critical appreciation of the art of writing. Haislip. Meets 12:30 M, Tu, W, Th.

**Wr 323. English Composition. 3 credit hours.**

Advanced expository prose; frequent written themes. Special attention to the relationship between style and content in exposition. Prerequisite: Wr 121, and junior standing. Six sections: meets 8:30, 9:30, 11:30, 12:30, 1:30, or 2:30 M, Tu, W, Th.

**Wr 324. Short-Story Writing. 3 credit hours.**

An upper-level course for students interested in short-story writing. Examination of the basic techniques as structure of the short-story; extensive analysis of student work and established models. Consent of instructor is required. Lyons. Meets 10:30 M, Tu, W, Th.

**Wr 404, 504. Writing and Conference.**

Credit hours to be arranged.

**Wr 409. Tutoring Practicum. (G)**

Credit hours to be arranged.

**Wr 411. English Composition for Teachers. (g) 3 credit hours.**

For students planning to teach English in high school. Practice in writing, and a review of the rules of composition. Recommended for satisfaction of the high-school certification requirement in English. Aly. Meets 8:30 M, Tu, W, Th.

## Linguistics

**Ling 290. Introduction to Linguistics. 3 credit hours.**

Introduction to the scientific study of language. Examination of the characteristics of language and language diversity, including sounds, structure, symbolic nature, linguistic change, and theories of origin. The relation of linguistic science to the social sciences and to the humanities. Malsch. Meets 10:30 M, Tu, W, Th.

**Ling 507. Issues in Phonology. (G) 5 credit hours.**

King. Meets 9:30 M, Tu, W, Th.

### Additional Courses

**Eng 407. Seminar: Literature of the Northwest. (G) 3 credit hours.**

June 18-July 12. The critical and cultural assumptions of Western American literature in general and Northwestern literature in particular followed by study of fiction by such novelists as A. B. Guthrie, Don Berry, Bernard Malamud, Ken Kesey, H. L. Davis, and Wallace Stegner, and such poets as Theodore Roethke, William Stafford, Richard Hugo, Caroline Kizer, and Gary Snyder. Love. Meets 1:30-3:20 M, Tu, W, Th.

**Eng 407. Seminar: Biblical and Medieval Vision Narrative. (G) 3 credit hours.**

June 18-July 12. A study of tradition and transformation in the treatment of eschatological visions from Ezechiel and Daniel through St. John and St. Paul to Dante's *Purgatorio*, *Pearl*, and *Piers Plowman*. B. Ruland. Meets 3:30-5:20 M, Tu, W, Th.

**Eng 407. Seminar: Twentieth-Century American Criticism. (G) 3 credit hours.**

June 18-July 12. A survey of influential texts and theories. R. Ruland. Meets 3:30-5:20 M, Tu, W, Th.

**Wr 404, 504. Writing and Conference. 3 credit hours.**

Weekends of June 28-30, July 12-14, and July 26-28. An institute designed to help individuals improve skill in planning and writing reports, brochures, handbooks, journal articles, dissertations, and other specialized forms of writing required in specific business and professional situations. Interested persons are requested to pre-register by mail or in person with Professor Constance Bordwell, Department of English, 239 Prince Lucien Campbell Hall, by June 17. Meets 8:00-10:00 Fridays; individual instruction Saturdays and Sundays, Bordwell.

## Geography

Department Head, Alvin W. Urquhart, Ph.D., Associate Professor (cultural geography).

William Bowen, Ph.D., Visiting Assistant Professor (cartography, historical geography of Oregon).

Tom L. Martinson, Ph.D., Visiting Associate Professor (cultural geography, Middle America).

Thomas Pagenhart, Ph.D., Visiting Associate Professor (resource geography, hydrogeography).

Clyde P. Patton, Ph.D., Professor (climatology, Western Europe, cultural geography).

Robert Richardson, Ph.D., Visiting Assistant Professor (climatology).

Gary H. Searl, M.S., Instructor (geographic education).

Edward P. Thatcher, M.A., Map Librarian (cartographic resources).

J. Tim Townsend, M.A., Visiting Instructor (geographic education).

For independent work in Research, Thesis, and Reading and Conference, see page 19.

### Eight-week session (June 18-August 9)

**Geog 101. The Natural Environment. 3 credit hours.**

An introductory physical geography of the earth with special emphasis on vegetation, landforms, climate, and soils. Richardson. Meets 11:30 M, Tu, W, Th.

**Geog 103. Landscape, Environment, and Culture. 3 credit hours.**

An introductory cultural geography that focuses on the ways in which various cultural groups evaluate, use, and modify the landscapes and environments they occupy. Martinson. Meets 10:30 M, Tu, W, Th.

**Geog 105. Urban Environment. 3 credit hours.**

An introduction to the concepts of geography and techniques of geographic analysis through the examination of urban locations and patterns. Meets 1:30 M, Tu, W, Th.

**Geog 280. Reading and Interpretation of Maps. 3 credit hours.**

Introduction to the interpretation of physical and cultural features on maps. Critical analysis of cartographic styles employed by atlas and map makers. Meets 1:30-3:20 M, W.

**Geog 407. Seminar: Historical Geography of Oregon. (G) 3 credit hours**

Consent of instructor is required. Bowen. Meets 2:00-5:00 M, W.

**Geog 421. Geographic Field Methods. (G) 3 credit hours.**

Research techniques in geography applied to local areas and problems. Prerequisite: 9 credit hours of geography or consent of instructor. Patton. Meets 8:30-5:20 Fridays.

**Geog 434. Economic Geography. (G) 3 credit hours.**

Geographic patterns of economic activity with emphasis on energy and water resources. Prerequisite: upper division or graduate standing. Pagenhart. Meets 10:30 M, Tu, W, Th.

**Geog 463. Geography of Middle America. (G) 3 credit hours.**

Physical and historical cultural processes that have shaped the landscapes of Mexico, Central America, and the Caribbean Islands. Prerequisite: 6 credit hours of lower-division geography. Martinson. Meets 11:30 M, Tu, W, Th.

**Geog 482. Climatology. (G) 3 credit hours.**

Elements of climate: the heat and water balance at the surface of the earth, atmospheric processes that affect climate, factors of climatic change. Prerequisite: 6 credit hours of lower-division geography. Richardson. Meets 9:30 M, Tu, W, Th.

**Geog 485. Cartography. (G) 3 credit hours.**

Introduction to map design and construction. Elementary map construction, map design, and map projections. Prerequisite: 9 credit hours of geography. Bowen. Meets 1:30-4:20 Tu, Th.

**Geog 507. Seminar: Water Resources and Their Management. 3 credit hours.**

Consent of instructor is required. Pagenhart. Meets 7:30-9:50 Tuesday evenings.

**Additional courses****Geog 301. Geography of Oregon. 3 credit hours.**

June 18-July 12. The nature of Oregon: its natural and human resources, changing patterns of settlement, urbanization and economic development, and problems of environmental use. Townsend. Meets 8:30-10:20 M, Tu, W, Th.

**Geog 303. The American West. 3 credit hours.**

July 15-August 9. Areas of attraction and aversion. Forest, grass, minerals, soil, water, climate, scenery, desert, and wilderness. Townsend. Meets 8:30-10:20 M, Tu, W, Th.

**Geog 502. Supervised College Teaching. 3 credit hours.**

June 18-July 12 and July 15-August 9. Townsend. Meetings to be arranged.

**Geog 507. Seminar: Cartographic Bibliography. 3 credit hours.**

June 18-July 12. Examination of the map room collections with special attention to their uses, and criteria for their evaluation as publications. Consent of instructor is required. Thatcher. Meets 7:30 M, Tu, W, Th.

**Geog 508. Workshop: Tools and Techniques for Outdoor Education. 3 credit hours.**

June 18-July 12. Townsend. Meets 10:30-12:20 M, Tu, W, Th.

**Geog 508. Workshop: Learning Activity Packages in Geography and the Social Studies. 3 credit hours.**

July 15-August 9. Townsend. Meets 10:30-12:20 M, Tu, W, Th.

**To be offered in Europe****Geog 501. Research: European Landscape Study. 3 credit hours.**

July 15-August 9. Consent of instructor is required. Searl.

**Geog 507. Seminar: English and Dutch Sources of the American Cultural Landscape. 3 credit hours.**

June 18-July 12. Consent of instructor is required. Searl.

**Geog 508. Workshop: Learning Activity Packages from European Sources. 3 credit hours.**

June 18-July 12. Consent of instructor is required. Searl.

**Geog 508. Workshop: Illustration for Landscape Studies. 3 credit hours.**

July 15-August 9. Consent of instructor is required. Searl.

# Geology

Department Head, William T. Holser, Ph.D., Professor (mineralogy and geochemistry).

Ewart M. Baldwin, Ph.D., Professor (stratigraphy and regional geology; nonmetallic economic geology).

Sam Boggs, Jr., Ph.D., Associate Professor (sedimentation and sedimentary petrology).

M. Allan Kays, Ph.D., Associate Professor (metamorphic and igneous petrology).

Norman M. Savage, Ph.D., Associate Professor (Paleozoic invertebrate paleontology and stratigraphy).

For independent work in Research, Thesis, and Reading and Conference, see page 19.

**Eleven-week session (June 18-August 30)****Geol 506. Advanced Field Geology.**

Credit hours to be arranged. Geologic field work chiefly in connection with graduate theses. Emphasis on individual problems. Prerequisite: graduate standing, consent of thesis adviser.

**Eight-week session (June 18-August 9).** Courses offered in sequence, first term June 18-July 12; second term July 15-August 9.

**Geol 101, 102. General Geology. 3 credit hours each term.**

A general introduction to Earth materials, processes, and landforms. Recommended, but not required, to be accompanied by Geol 104, 105. One Saturday field trip each term for which the department charges a transportation fee.

*First term.* Earth as a planet; rock-forming minerals; igneous rocks; sedimentary rocks; geological time-scale; gravity move-

ments; soils and weathering; stream transportation and erosion; underground water; glaciers and glaciation. Savage. Meets 8:30-10:20 M, Tu, W, Th.

*Second term.* Deserts; volcanoes; rock deformation; metamorphism; plate tectonics and orogeny; earthquakes and the earth's interior; the oceans; economic geology. Savage. Meets 8:30-10:20 M, Tu, W, Th.

**Geol 104, 105. General Geology Laboratory. 1 credit hour each term.**

Laboratory studies of minerals, rocks, geologic maps, landforms, aerial photographs; exercises illustrating the methods by which the nature and history of the earth are studied. Savage. Meets 10:30-12:20 Tu, Th.

**Geol 506. Advanced Field Geology.**

Credit hours to be arranged. Geologic field work chiefly in connection with graduate theses. Emphasis on individual problems. Prerequisite: graduate standing, consent of thesis adviser.

**Additional courses**

**Geol 352. Geology of Oregon. 3 credit hours.**

June 18-July 12. Lectures, assigned reading, and field trips, to acquaint the student with some of the salient features of the geology of the state. Previous geology not required. (Field trips on weekends—choice of several; small transportation fee.) Baldwin. 10:30-12:20 M, Tu, W.

**Geol 353. Oceanography. 3 credit hours.**

July 15-August 9. An introduction to physical, chemical, and biological processes of the world's oceans, with emphasis on the history and geology of the ocean basins. Previous science courses not required. (Field trips on weekends—choice of several; small transportation fee.) Baldwin. Meets 10:30-12:20 M, Tu, W.

**Geol 406. Field Geology. 9 credit hours.**

June 10-July 19. Geological field work in selected parts of Oregon. Emphasis on field mapping at several scales in igneous, metamorphic, and sedimentary terrains in Oregon. Mapping projects using plane table and alidade, airphotos, and topographic base maps. Prerequisite: General Geology (Geol 101-2-3), Stratigraphy and Sedimentation (Geol 392), and Mineralogy (Geol 325-6-7); or consent of instructor. An extra fee of \$250, payable to the Department of Geology, covers board and transportation in the field. Circular available from department includes descriptive information and application form. Applications accompanied by a nonrefundable deposit of \$35.00, which is applied to the total fee of \$250, should be submitted by April 15, 1974. Enrollment limited to 20. Kays, Boggs.

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

June 18-July 12. A regional approach to the study of North American geology; rock units, structures, landforms and geologic history. Field trips supplement classroom work. Survey course designed primarily for teachers of Earth Science; not meant to satisfy course requirements in graduate degrees in science. Upper-division standing (Field trips on weekends—choice of several; small transportation fee.) Baldwin. Meets 8:30-10:20 M, Tu, W.

## German and Russian

Department Head, Roger A. Nicholls. Ph.D., Professor of German (drama, 19th-century literature).

John Fred Beebe, Ph.D., Associate Professor of Russian (literature, linguistics).

Wolfgang A. Leppmann, Ph.D., Professor of German (Goethe and 18th-century literature).

Christian P. Stehr, M.A., Instructor of German (17th- and 20th-century literature, teaching methodology).

For independent work in Research, Thesis, and Reading and Conference, see page 19.

## German

**Eleven-week session** (June 18-August 30) courses offered in sequence, first term June 18-July 12; second term July 15-August 9; third term August 12-August 30.

**GL 50, 51, 52. First-Year German. 4 credit hours first two terms; 3 credit hours third term.**

Designed to provide a thorough grammatical foundation and an elementary reading knowledge of German, as well as an understanding of the spoken language.

*First term.* Meets 8:30-10:20 M-F. Turner.

*Second term.* Meets 8:30-10:20 M-F. Dunn.

*Third term.* Meets 8:30-10:20 M-F. Allen.

**GL 55, 56, 57. First-Year German "Guten Tag": Speaking. 2 credit hours each term.**

Three-term sequence. Audiovisual first-year German course based on film series *Guten Tag* and incorporating the use of tapes, movies, slides, and small conversation groups. To complete the 4-credit hour foreign language requirement for the B.A. degree, students may, in addition, take the two-hour first-year German *Guten Tag*: Reading course (GL 80, 81, 82), below. Students enrolled in First-Year German (GL 50, 51, 52) may take *Guten Tag*: Speaking (GL 55, 56, 57) to supplement their studies, but may not enroll in the *Guten Tag*: Reading section (GL 80, 81, 82) for credit. Stehr.

*First term.* Meets 8:30 and 12:30 Tu, Th; or 8:30 and 1:30 Tu, Th; or 12:30 and 1:30 Tu, Th.

*Second term.* Meets 8:30 and 12:30 Tu, Th; or 8:30 and 1:30, Tu, Th; or 12:30 and 1:30 Tu, Th.

*Third term.* Meets 8:30 and 12:30 Tu, Th; or 8:30 and 1:30 Tu, Th; or 12:30 and 1:30 Tu, Th.

**GL 80, 81, 82. First-Year German "Guten Tag": Reading. 2 credit hours each term.**

Three-term sequence. Reading and grammar section to accompany first-year German *Guten Tag*: Speaking (GL 55, 56, 57) above. Students enrolled in GL 55 above may take this course to meet the 4-credit hour foreign language requirements for the B.A. degree. Not open for credit to students in First-Year German (GL 50, 51, 52).

*First term.* Meets 8:30-10:20 M, W, F; or 10:30-12:20 M, W, F.

*Second term.* Meets 8:30-10:20 M, W, F; or 10:30-12:20 M, W, F.

*Third term.* Meets 8:30-10:20 M, W, F; or 10:30-12:20 M, W, F.

**GL 101, 102, 103. Second-Year German. 4 credit hours first two terms; 3 credit hours third term.**

Review of grammar and composition; reading of selections from representative authors: conversation. Open to students who have completed GL 52 or GL 57 and GL 82, or the equivalent.

*First term.* Meets 8:30-10:20 M-F.

*Second term.* Meets 8:30-10:20 M-F.

*Third term.* Meets 8:30-10:20 M-F.

**GL 321, 322, 323. German for Reading Knowledge. 3 credit hours each term.**

Intensive practice in grammar, followed by the reading of texts in the student's major field. Intended principally for graduate students. Nicholls.

*First term.* Meets 11:30-12:20 M, Tu, W, Th.

*Second term.* Meets 11:30-12:20 M, Tu, W, Th.

*Third term.* Meets 11:30-12:20 M, Tu, W, Th.

**Eight-week session (June 18-August 9)**

**GL 334. German Composition and Conversation. 3 credit hours.**

Extensive practice in speaking and writing. Required of German majors. Conducted in German. Prerequisite: two years of college German. Meets 9:30-10:20 M, Tu, W, Th.

**GL 409. Supervised Tutoring Practicum. 1-3 credit hours.**

A no-grade course. Stehr.

**GL 431, 432. German Literature of the 20th Century. (G) 3 credit hours each term.**

Study of the prose, poetry, and drama of the modern period. Particular attention to literary trends (naturalism, neoromanticism, expressionism, post-World War II literature) and experimental forms of the period. Emphasis on representative authors including Hauptmann, Thomas Mann, Hesse, Rilke, Kafka, Brecht, Leppmann.

*First term.* GL 431, meets 11:30-12:20 M, Tu, W, Th.

*Second term.* GL 432, meets 11:30-12:20 M, Tu, W, Th.

**GL 509. Supervised Tutoring Practicum. 1-3 credit hours.**

A no-grade course. Stehr.

**GL 527. Goethe. 4 credit hours.**

Comprehensive examination of Goethe's works, including an intensive study of *Faust*, and Goethe's aesthetic and critical views. Leppmann. Meets 6:30-9:20 Tuesday evenings.

## Russian

**Eleven-week session (June 18-August 30)** courses offered in sequence, first term June 18-July 12; second term July 15-August 9; third term August 12-August 30.

**SL 50, 51, 52. First-Year Russian. 5 credit hours each term.**

Elementary Russian grammar, reading, conversation, and composition. Beebe.

*First term.* Meets 8:30-11:20 M-F.

*Second term.* Meets 8:30-11:20 M-F.

*Third term.* Meets 8:30-11:20 M-F.

**Eight-week session (June 18-August 9)**

**AL 422. Modern Russian Poetry. (G) 3 credit hours.**

Detailed study of Russian symbolism, acmeism, and futurism. Beebe. Meets 11:30-12:20 M, Tu, W, Th.

**AL 426. Gogol. (G) 3 credit hours.**

Comprehensive study of Gogol's works; critical analysis of *Eve-nings on a Farm near Dikanka*, *Mirgorod*, Petersburg tales, *The Inspector General* and other plays, *Dead Souls*. Readings in English; Russian majors do selected readings in the original. Beebe. Meets 12:30-1:20 M, Tu, W, Th.

## History

Department Head, Raymond Birn, Ph.D., Professor (European history 1600-1815).

Gustave Alef, Ph.D., Professor (Russia, medieval period).

Jeffrey Barlow, Ph.D., Assistant Professor (American foreign relations).

Robert M. Berdahl, Ph.D., Associate Professor (Germany).

Warren Blankenship, Ph.D., Associate Professor (American history).

Thomas A. Brady, Jr., Ph.D., Associate Professor (Renaissance and Reformation).

Roger P. Chickering, Ph.D., Assistant Professor (Germany, 20th Century).

Joseph Esherick, Ph.D., Assistant Professor (China).

G. Ralph Falconeri, Ph.D., Associate Professor (Japan).

R. Alan Kimball, Ph.D., Associate Professor (modern Russia).

Jack P. Maddex, Ph.D., Associate Professor (Civil War).

Stanley A. Pierson, Ph.D., Professor (cultural and intellectual European).

Lloyd R. Sorenson, Ph.D., Professor (history of civilization).

William Toll, Ph.D., Assistant Professor (United States and Afro-American history).

For independent work in Research, Thesis, and Reading and Conference, see page 19.

**Eight-week session (June 18-August 9)**

**Hst 201. United States History. 3 credit hours.**

The colonial period, the Revolution, the Constitution, the new nation from George Washington to Andrew Jackson. Hanna. Meets 10:30 M, Tu, W, Th.

**Hst 202. United States History. 3 credit hours.**

Sectional conflict and Civil War; settling of the West; industrialization; the South after 1865; political and intellectual developments to 1900. Maddex. Meets 9:30 M, Tu, W, Th.

**Hst 203. United States History. 3 credit hours.**

The progressive era, America as a world power, the great depression and Franklin Delano Roosevelt, postwar decades. Blankenship. Meets 8:30 M, Tu, W, Th.

**Hst 223. Afro-American History, 1900-1970. 3 credit hours.**

The transformation of Afro-Americans from primarily a rural to primarily an urban people, with emphasis on the concurrent intellectual, social and political currents that led to a new Black self-consciousness. Toll. Meets 11:30 M, Tu, W, Th.

**Hst 291. China, Past and Present. 3 credit hours.**

An introduction to key aspects of traditional and contemporary China, structured around the problem of continuity and change. Esherick. Meets 1:30 M, Tu, W, Th.

**Hst 303. Europe Since 1789. 3 credit hours.**

Political, social, economic, and cultural trends from 1918 to the present. Berdahl. Meets 8:30 M, Tu, W, Th.

**Hst 321. American Foreign Relations since 1945. 3 credit hours.**

Intensive study of American foreign relations since World War II. Barlow. Meets 9:30 M, Tu, W, Th.

**Hst 393. Far East in Modern Times. 3 credit hours.**

Political, economic and diplomatic history of China and Japan from 1912 to the present. Falconeri. Meets 12:30 M, Tu, W, Th.

**Hst 408. The Crisis of Liberal Society in Europe, 1919-1939. (G) 3 credit hours.**

The ordeal of liberal-democratic government; the radical challenge from the left and right. Consent of instructor is required. Chickering. Meets 2:30-5:20 Tuesdays.

**Hst 408. Colloquium: American Urban History. (G) 3 credit hours.**

Readings in the development of the new urban history, with special emphasis on the emergence of an urban social structure and on the cultural and elite groups that shape and direct urban living. Consent of instructor is required. Toll. Meets 2:30-5:20 Wednesdays.

**Hst 408. Colloquium: 16th-Century Germany. (G) 3 credit hours.**

Readings on the economies, social movements, and politics of the Germanies before and during the Reformation. Special topics include the Peasant's Revolt of 1525 and the urban reform movement. Brady. Meets 3:30-6:20 Thursdays.

**Hst 408. Colloquium: Gods, Men, and History. 3 credit hours.**

Origins, proliferation, and maturing of civilizations in the Middle East, the Indian sub-continent, and the Mediterranean area through their classical eras with emphasis on theological foundations. Lecture and discussions. Sorenson. 10:30 M, Tu, W, Th.

**Hst 438. Germany in the Twentieth Century. (G) 3 credit hours.**

Domestic tension and outward pressure during the Wilhelmine empire; the German Revolution; the Weimar Republic; National Socialism; Germany since 1945. Chickering. Meets 11:30 M, Tu, W, Th.

**Hst 448. History of Russia. (G) 3 credit hours.**

Creation of the Russian Empire, political, social and economic developments. Alef. Meets 10:30 M, Tu, W, Th.

**Hst 467. History of the South. 3 credit hours.**

Society and culture in the slave states; the bid for independence in the Confederacy; Reconstruction and the struggle to define the South's future; the "Tobacco Road" era; civil-rights struggle and other recent changes. Maddex. Meets 12:30 M, Tu, W, Th.

**Hst 478. History of the Pacific Northwest. (G) 3 credit hours.**

Detailed study of the building of civilization in the Pacific Northwest. Blankenship. Meets 8:30 M, Tu, W, Th.

**Hst 496. History of China. (G) 3 credit hours.**

The Chinese revolutionary experience in the twentieth century. Esherick. Meets 9:30 M, Tu, W, Th.

**Additional courses****Hst 101. Western Civilization. 3 credit hours.**

June 18-July 12. Origin and development of Western Civilization from ancient times through the Middle Ages. Pierson. Meets 12:30-2:20 M, Tu, W, Th.

**Hst 102. Western Civilization. 3 credit hours.**

July 15-August 9. Renaissance and Reformation, the rise of modern science, Enlightenment, French Revolution, and Napoleon. Brady. Meets 12:30-2:20 M, Tu, W, Th.

**Hst 452. The Russian Revolution. (G) 3 credit hours.**

June 18-July 12. The origins of the revolution; transition and instability in pre-revolutionary Russia. Kimball. Meets 8:30-10:20 M, Tu, W, Th.

## Home Economics

Department Head, Margaret J. Wiese, M.A., Associate Professor (foods and nutrition).

Jeanne Louise Armstrong, M.Ed., Visiting Instructor in Home Economics, Lane Community College (child development).

Marjory S. Bassett, M.S., Visiting Instructor in Home Economics, Lane Community College (health education and consumer research).

Carol Easton, M.S., Visiting Instructor in Home Economics, Lane Community College (foods and nutrition, botany).

Hattie Mae Nixon, M.S., Visiting Assistant Professor in Home Economics (textiles, clothing and related arts).

For independent work in Research, Thesis, and Reading and Conference, see page 19.

**Eight-week session (June 18-August 9)****HEc 225. Nutrition. 3 credit hours.**

The science of food and its relationship to health. Introduction to the nutrient functions, sources, and requirements of humans. Factors affecting nutrient availability. Discussion of current dietary trends and their implications. Easton. Meets 8:30-9:20 M, Tu, W, Th.

**HEc 331. Home Planning & Furnishing. 3 credit hours.**

Contemporary shelters—apartments, mobile home, condominiums, single houses—and their influence upon natural surroundings. Inspection and discussion of interiors and furnishings according to principles of design, historical developments, materials, economic values, and care. Field trips, illustrated discussions and lectures, investigation of personalized furnishing interest. Sophomore standing required. Nixon. Meets 10:30-11:20 M, Tu, W, Th.

**HEc 340. Consumer Problems. 3 credit hours.**

Emphasis on becoming informed and effective consumers; role of the consumer in the marketing system; current consumer issues; role of government in consumer welfare; available sources of information for consumers; consumer organization and its increasing importance. Community projects. This course is designed to satisfy the certification requirements of consumer science for the basic elementary teaching certification. Bassett. Meets 9:30-10:20 M, Tu, W, Th.

**Additional courses****HEc 325. Child Care. 3 credit hours.**

July 15-August 9. Physical, motor, intellectual, emotional, and social development of the pre-school child studied against the background of home and family with emphasis on concepts of child rearing. Armstrong. Meets 12:30-2:20 M, Tu, W, Th.

# Mathematics

Department Head, Fred C. Andrews, Ph.D., Professor (statistics).

Departmental Summer Program Coordinator, James M. Van Buskirk, Ph.D., Associate Professor (topology, knot theory).

Glenn T. Beelman, A.M., Senior Instructor and Assistant to the Department Head.

Robert S. Freeman, Ph.D., Associate Professor (functional analysis, partial differential equations).

Kenneth S. Ghent, Ph.D., Professor (number theory, mathematics education).

Alan R. Hoffer, Ph.D., Associate Professor (projective geometry, mathematics education).

John B. Jacobs, Ph.D., Assistant Professor (algebra, Lie algebras).

John V. Leahy, Ph.D., Associate Professor (differential and algebraic geometry).

Leonard T. Nelson, Ph.D., Visiting Professor, Southwest Minnesota State College (mathematics education).

Ivan Niven, Ph.D., Professor (number theory, Diophantine approximations and density theory).

Peter R. Sherman, M.A., Senior Instructor (mathematics education).

Lewis E. Ward, Jr., Ph.D., Professor (topology).

Robert S. Wolf, Ph.D., Visiting Assistant Professor (logic, foundations of mathematics).

Jerry M. Wolfe, Ph.D., Assistant Professor (numerical analysis, optimization and approximation theory).

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 Department of Mathematics before planning their programs. Candidates for the M.A., M.S., and Ph.D., degrees may obtain detailed information on degree requirements by directing inquiries to the Department of Mathematics.

The department, in cooperation with the College of Education, offers a master degree especially suited to secondary-school mathematics teachers. Candidates for this degree must meet teacher certification requirements in Oregon or in their home states.

Many mathematics courses are designed primarily for candidates for this degree and are offered on a rotating basis so that a student may complete several of them in three summers. This summer the department will offer Mth 457, Mth 487, Mth 407 (Probability) and Mth 407 (Elementary Numerical Analysis) as well as Mth 460 and several other four-week courses: thirteen Mth 407 seminars and three Mth 507 seminars.

The department also offers a special master 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.

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.

Courses in computer science, many of which are particularly suited to secondary school and small-college teachers, are offered by the Computer Science Department.

For independent work in Research, Thesis, and Reading and Conference, see page 19.

**Eight-week session (June 18-August 9)**

NOTE: A remedial course, Mth 290, is open to certain students having insufficient high school algebra to qualify for Mth 95.

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

Intended for students with inadequate preparation for introductory college mathematics courses, such as Mth 101. Prerequisite: one year of high school algebra. One section meets 1:30 M-F; a second section meets 9:30 M-F, and is open only to those in disadvantaged-student programs or by special departmental consent.

**Mth 101. College Algebra. 4 credit hours.**

Standard course intended for satisfaction of a requirement in a student's major field, or as a prerequisite for other mathematics courses such as Mth 106. Prerequisite: one and one-half years of high school algebra, Mth 95 or equivalent. One section meets 9:30 M-F; a second section meets 12:30 M-F.

**Mth 102. Elementary Functions. 4 credit hours.**

Trigonometric, logarithmic, and exponential functions and their graphs. Prerequisite: Mth 101 or equivalent. Meets 10:30 M-F.

**Mth 106. Elements of Calculus. 4 credit hours.**

Concepts of differential and integral calculus of algebraic functions. Prerequisite: Mth 101 or equivalent. One section meets 9:30 M-F; a second section meets 12:30 M-F.

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

The first term of a sequence (Mth 121, 122, 123) dealing with basic concepts of arithmetic, algebra, geometry, and problem-solving. Emphasis on the real number system and deductive processes within the system. The course is developed through a variety of teaching models: discovery lessons, laboratory exploration, problem-solving activities, and lectures. Students are advised to have prior, or concurrent, practicum experience with elementary

school students. Prerequisite: admission to elementary-teacher education program or departmental consent. Sherman. Meets 1:30 M, Tu, W, Th.

**Mth 150. Introduction to Probability. 3 credit hours.**

An elementary survey emphasizing basic concepts, with application to problems in many fields. Prerequisite: Mth 95 or equivalent. Meets 9:30 M, Tu, W, Th.

**Mth 200. Calculus with Analytic Geometry (I). 4 credit hours.**

The first course in a three-term sequence in differential and integral calculus with analytic geometry introduced as needed. Differentiation, problems in maxima-minima and rates of change. Prerequisite: Mth 101 and 102 or equivalent. Meets 9:30 M-F.

**Mth 201. Calculus with Analytic Geometry (II). 4 credit hours.**

The second course in a three-term sequence in differential and integral calculus, with analytic geometry introduced as needed. Integration with various applications. Prerequisite: Mth 200 or equivalent. Meets 10:30 M-F.

**Mth 202. Calculus with Analytic Geometry (III). 4 credit hours.**

The third course in a three-term sequence in differential and integral calculus, with analytic geometry introduced as needed. Taylor's theorem and infinite series. Prerequisite: Mth 201 or equivalent. Meets 11:30 M-F.

**Mth 290. Seminar: Elementary Algebra. 2 credit hours.**

A remedial course for students with no, or very little, high school algebra. Intended as preparation for Mth 95. Open only to those in disadvantaged-student programs or, by special departmental permission, to others who have been admitted to the University without this preparation. Meets 9:30 M, Tu, W, Th.

**Mth 407. Seminar. (g)**

Credit hours to be arranged.

**Mth 407. Seminar: Probability. (g) 4 credit hours.**

An introduction to probability which stresses the ideas and concepts; with applications. A survey course limited to finite sample spaces. Prerequisite: one year of college mathematics. Meets 9:30 M-F.

**Mth 407. Seminar: Elementary Numerical Analysis. (g) 4 credit hours.**

An introduction to numerical analysis with emphasis on classes of problems that allow effective use of computers. Designed to be of particular interest to secondary-school mathematics and science teachers. Topics include solution of equations, table generation, computation of areas, difference equations and error analysis. Prerequisite: one year of college mathematics including one term of calculus; one term of computer programming or concurrent enrollment in CS 407 Programming Methods for Teachers. J. Wolfe. Meets 10:30 M-F.

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

An introduction to the basic concepts of linear algebra with emphasis on applications. Students will learn to utilize existing computer programs to solve specific problems; however, no previous computing experience is required. Topics: matrices, solution of systems of linear equations, determinants, vector space, and calculation of eigenvalues. Prerequisite: sequence in calculus. Meets 12:30 M-F.

**Mth 412. Linear Algebra. (G) 3 credit hours.**

Proofs of theorems on basis and dimension in abstract vector spaces; linear transformations, the minimal polynomial; determinant of a linear transformation; characteristic roots and vectors; orthogonal, unitary and symmetric transformations. Prerequisite: Mth 411 or equivalent. Meets 12:30 M, Tu, W, Th.

**Mth 418. Differential Equations. (g) 3 credit hours.**

Linear differential equations, applications, systems of differential equations. Prerequisite: sequence in calculus or departmental consent. Freeman. Meets 1:30 M, Tu, W, Th.

**Mth 425. Elements of Statistical Methods. (g) 3 credit hours.**

Introductory course in statistics intended for upper-division and graduate students with little mathematics preparation. Not intended as prerequisite for other mathematics courses. Prerequisite: Mth 95 or equivalent. Meets 11:30 M, Tu, W, Th.

**Mth 457. Foundations of Arithmetic and Algebra. (g) 4 credit hours.**

Axiomatic development of the number system of arithmetic and elementary algebra; critical examination of algebraic techniques with special reference to the solution of equations; other topics as time permits. Prerequisite: one year of college mathematics. Meets 11:30 M-F.

**Mth 487. Geometry. (G) 4 credit hours.**

Axiomatic development of Euclidean geometry from both the metric and synthetic points of view. Prerequisite: one year of college mathematics. Ghent. Meets 8:30 M-F.

**Mth 507. Seminar.**

Credit hours to be arranged.

**Mth 507. Seminar: Trends in the Foundations of Mathematics. 4 credit hours.**

A series of lectures designed to be of special interest to academic year departmental graduate students who choose to continue their studies during the summer. The topics discussed will be selected from the following important recent developments in logic and the foundation of mathematics, according to the interest of the students: constructivity and intuitionism, nonstandard analysis and algebra, topos theory, forcing, and independence results. R. Wolf. Meets 1:30-3:20 Tu, Th.

**Additional courses**

**Mth 407. Seminar: Graph Theory. (g) 2 credit hours.**

June 18-July 12. An introduction to the theory of networks consisting of points interconnected by line segments; with applications to problems of transportation, pipeline network flows and matchings, as well as to several entertaining puzzles. Prerequisite: one year of college mathematics. Van Buskirk. Meets 8:30 M-F.

**Mth 407. Seminar: History of Matrices and Quaternions. (g) 2 credit hours.**

June 18-July 12. A history of the development of linear algebra; Hamilton's attempt to make  $R^3$  a division algebra and his discovery of quaternions; Gibbs' vector notation; a resulting controversy; the introduction of matrices, vector spaces, and generalized algebras by Cayley, Sylvester, and Clifford. Participants will read accounts of the invention of modern linear algebra as well as biographies and some original works of those involved. Mathematics unfamiliar to participants will be developed to explain difficulties

encountered by the original discoverers. Prerequisite: introductory linear algebra or concurrent enrollment in Mth 411. Meets 9:30 M-F.

**Mth 407. Seminar: Set Theory. (g) 2 credit hours.**

June 18-July 12. Intuitive set theory; cardinal numbers; ordered sets; well-ordered sets and their ordinal numbers; applications. Prerequisite: one year of college mathematics. Meets 10:30 M-F.

**Mth 407. Seminar: Cryptanalysis. (g) 2 credit hours.**

June 18-July 12. An introduction to the basic technique of decipherment—the mathematical aspects of reading messages which have had their meanings concealed by codes. Prerequisite: one year of college mathematics. Meets 11:30 M-F.

**Mth 407. Fundamentals of Calculus. (g) 2 credit hours.**

June 18-July 12. A review of selected basic topics with emphasis on understanding and simple applications. Some topics will be treated intuitively, others rigorously as seems appropriate. Prerequisite: sequence in calculus. Meets 11:30 M-F.

**Mth 407. Seminar: Transformational Geometry. (g) 2 credit hours.**

June 18-July 12. The fundamental distance-preserving transformations of plane geometry: translations, rotations, and reflections. Similarity transformations. An approach to geometry which anticipates projective geometry and non-Euclidean geometry. Prerequisite: one year of college mathematics. Meets 12:30 M-F.

**Mth 407. Seminar: Continued Fractions. (g) 2 credit hours.**

June 18-July 12. Introduction to continued fractions and their convergents. Applications: rational approximations; Pell's equation and other Diophantine equations. Prerequisite: one year of college mathematics. Jacobs. Meets 1:30 M-F.

**Mth 407. Seminar: Theory of Polynomial Equations. (g) 2 credit hours.**

June 18-July 12. Determination and approximation of the roots of polynomial equations. Separation of roots (Descartes' rule of sign, Rolle's theorem, Sturm's theorem), irreducibility of rational polynomials (Eisenstein's criterion), and determination of multiple roots. Prerequisite: one year of college mathematics. Meets 2:30 M-F.

**Mth 460. Inequalities. (g) 2 credit hours.**

June 18-July 12. The classical inequalities of Cauchy, Hölder, and Minkowski; problems in maxima and minima; geometric inequalities of distance, area and volume. Prerequisite: one year of college mathematics. Niven. Meets 9:30 M-F.

**Mth 507. Seminar: Topology of the Real Line. 2 credit hours.**

June 18-July 12. A study of the topological properties of the set of real numbers. This seminar will be conducted along Socratic lines in that the instructor will not lecture in the formal sense, and most of the proofs will be supplied by the students. Starting with very easy preliminaries concerning ordered sets the study moves gradually to the concepts of connectedness, perfect sets, compactness and separability. Prerequisite: Open to mathematics teachers who have advanced standing or by departmental consent. Ward. Meets 10:30 M-F.

**Mth 407. Seminar: Game Theory. (g) 2 credit hours.**

July 15-August 9. An introduction to the theory of games of strategy—a mathematical theory of decision-making in situations where the outcome is affected by the participants in a competitive environment. Restricted to games with two participants where

the gains of one are the losses of the other. Prerequisite: one year of college mathematics. Van Buskirk. Meets 8:30 M-F.

**Mth 407. Seminar: History of the Law of Quadratic Reciprocity. (g) 2 credit hours.**

July 15-August 9. The history of a deep result of number theory. After an introduction to arithmetic modulo  $p$  and numerous arithmetic calculations, special cases of quadratic reciprocity will be conjectured and proved (following Fermat and Euler). Participants will read biographies of Fermat and Gauss (who proved the general result in 1796) and from the works of Legendre and Gauss. Meets 9:30 M-F.

**Mth 407. Seminar: Logic. (g) 2 credit hours.**

July 15-August 9. The statement calculus: sentential connectives, truth tables. The predicate calculus: Quantifiers, validity of consequences. Boolean algebras and applications. Prerequisite: Mth 407 Set Theory, or a familiarity with the concepts of intuitive set theory. Meets 10:30 M-F.

**Mth 407. Seminar: Mathematical Symmetry. (g) 2 credit hours.**

July 15-August 9. Symmetry properties of objects occurring in architecture, art, and the natural sciences; an analysis of reflections, rotations, translations and glide reflections; the concept of a group of symmetries. Prerequisite: one year of college mathematics. Jacobs. Meets 11:30 M-F.

**Mth 407. Seminar: Geometric Constructions. (g) 2 credit hours.**

July 15-August 9. Construction problems which can be solved using only one of the classical tools of geometric construction: constructions carried out by means of the ruler alone; constructions possible using the compass alone. Prerequisite: one year of college mathematics. Hoffer. Meets 12:30 M-F.

**Mth 507. Seminar: Arithmetic Functions and Groups. 2 credit hours.**

July 15-August 9. The standard arithmetic functions: number of divisors, sum of the divisors, the Euler function, the Möbius function, the Dirichlet function, the Dirichlet product or convolution of arithmetic functions and the basic group arising therefrom, properties of arithmetic functions obtained by using group theory. Open to mathematics teachers who have advanced standing or by departmental consent. Meets 1:30 M-F.

**Mth 507. Seminar: Mathematical Literature for Teachers. 2 credit hours.**

July 15-August 9. An in-depth study of the literature available to secondary school teachers and their students: volumes of the new Mathematical library and publications of the National Council of Teachers of Mathematics, the School Mathematics Study Group and the commercial publishers. Participants will survey articles in periodicals including the *Mathematical Monthly*, the *Mathematics Teacher*, and the *Mathematical Gazette*. Teaching experience and departmental consent are required. Meets 2:30 M-F.

## Mathematics Institutes and Special Programs

The University has been granted funds by the National Science Foundation through the Oregon System in Mathematics Education to conduct the following institutes and special programs.

(1) Program for Mathematics Teachers of Educationally Uninvolved Students. L. T. Nelson, director. For selected Oregon mathematics teachers who are interested in developing a mathematics program for the educationally uninvolved. Also open, by consent of the program director, to a limited number of out-of-state teachers who are not program participants. Application forms available from L. T. Nelson, Department of Mathematics.

**Mth 407. Seminar: Workshop for Teachers of Mathematically Uninvolved Students. (g) 4 credit hours.**

June 18-July 12. A study of mathematical topics and laboratory activities for teachers of educationally uninvolved students. Nelson. Meets 8:00-12:00 M, Tu, W, Th.

(2) Summer Program in Computer Science for Teachers. David G. Moursund, director. See Computer Science, page 25.

## Philosophy

Department Head, Arnulf Zweig, Ph.D., Professor (history of philosophy; philosophy of law; ethics).

Leonard Geddes, Ph.D., Assistant Professor (ethics, history of philosophy).

Robert T. Herbert, Ph.D., Associate Professor (philosophy of religion; aesthetics).

Don S. Levi, Ph.D., Associate Professor (logic; philosophy of mathematics; contemporary social and moral thought).

For independent work in Research, Thesis, and Reading and Conference, see page 19.

### Eight-week session (June 18-August 9)

**Phl 204. Introduction to Philosophy of Religion. 3 credit hours.**

An examination of disputes between theism and atheism, e.g., Freud and Christianity, the argument from evil. Arguments for God's existence examined. Are religious concepts incoherent, e.g., "God," "soul," "life after death"? Herbert. Meets 11:30 M, Tu, W, Th.

**Phl 205. Contemporary Moral Issues. 3 credit hours.**

Philosophical problems connected with such topics as civil disobedience, the morality of war, abortion, conscription, compensatory justice. Levi. Meets 10:30 M, Tu, W, Th.

**Phl 212. Existentialism. 3 credit hours.**

The basic ideas of the Christian and atheistic divisions of the existentialist movement; reading of selected works of Kierkegaard, Jaspers, Heidegger, and Sartre; some attention to precursors and to the general modern philosophical situation which has generated the existentialist rebellion. Geddes. Meets 1:30-3:20 M, W.

**Phl 306. History of Modern Philosophy. 3 credit hours.**

Survey of the history of western philosophy in the 20th century: Pragmatism, Existentialism, Positivism, Analytic Philosophy. Zweig. Meets 9:30 M, Tu, W, Th.

## Physics

Department Head, Joel W. McClure, Ph.D., Professor (solid state theory).

Edwin G. Ebbighausen, Ph.D., Professor (astronomy).

Amit Goswami, Ph.D., Associate Professor (nuclear theory).

Robert L. Zimmerman, Ph.D., Associate Professor (general relativity).

For independent work in Research, Thesis, and Reading and Conference, see page 19.

### Eight-week session (June 18-August 9)

**GS 104. Physical Science Survey. 3 credit hours.**

General introduction to the physical sciences; principles of physics and chemistry, and man's relation to them. Emphasis on scientific method. GS 104, GS 105, and GS 106 need not be taken in sequence and may be taken concurrently. Zimmerman. Meets 8:30 M, Tu, W, Th.

**GS 105. Physical Science Survey. 3 credit hours.**

For description, see GS 104. Goswami. Meets 9:30 M, Tu, W, Th.

**GS 106. Physical Science Survey. 3 credit hours.**

For description, see GS 104. Goswami. Meets 2:30 M, Tu, W, Th.

**Ph 108. Elementary Astronomy: The Solar System. 3 credit hours.**

Introduction to solar astronomy. Brief discussion of the solar system, including the sun, the individual planets and their motions and satellites, the origin, nature and behavior of comets, meteorites, and the origin of the solar system. Need not be taken in sequence with Ph 109. Ebbighausen. Meets 11:30 M, Tu, W, Th.

**Ph 109. Elementary Astronomy: The Stellar System. 3 credit hours.**

Introduction to stellar astronomy. Brief discussion of individual stars and their properties, double stars, star clusters, the details of our galaxy, the universe of galaxies, and the expanding universe. Need not be taken in sequence with Ph 108. Ebbighausen. Meets 1:30 M, Tu, W, Th.

**Ph 114. Physics of Energy and Pollution. 3 credit hours.**

Physical aspects of human use of energy and accompanying changes in the environment; nature of the present energy and environmental crises and suggested solutions; power needs and sources, pollution problems and remedies. Primarily for nonscience majors. Goswami. Meets 12:30 M, Tu, W, Th.

**Ph 407. Seminar: Astrophysics. (g) 3 credit hours.**

Treatment of astronomy in some depth. Material to be discussed will depend in part on interests of the students. Topics covered will include use of spectroscopy in astronomy, physical nature of stars, stellar evolution, behavior of our galaxy, types of galaxies, the expanding universe, interstellar material. Primarily intended for students preparing for secondary-school science teaching. Prerequisites: general physics and calculus. Zimmerman. Meets 2:30-4:20 Tu, Th.

**Ph 418. Elements of Atomic, Nuclear and Solid State Physics. (g) 4 credit hours.**

An introductory treatment of atomic, nuclear, and solid state physics with emphasis on the experimental foundation of these

subjects. Topics covered include relativity; atomic structures; optical and X-ray spectra; nuclear reactions; fundamental particles; particle accelerators; crystal structures; and properties of metals, insulators, and semi-conductors. Designed primarily for students preparing for secondary school science teaching. Prerequisites: general physics and calculus. Zimmerman. Meets 10:30 M-F.

**Ph 507. Seminar: Selected Topics. 1-3 credit hours.**

## Political Science

Department head, Daniel Goldrich, Ph.D., Professor (problems of American political development; theory and experiments in promoting citizenship in the corporate state; international development of the United States and the Third World, especially United States-Latin America).

Joseph M. Allman, Ph.D., Associate Professor (the development and change of political attitudes and behavior; teaching political problem-solving behavior; and experimentation with facilitative teaching of large classes of students).

James C. Davies, Ph.D., Professor (theory building in area of political behavior and political revolution, on psychological and neuro-physiological bases; political fiction).

David Finlay, Ph.D., Professor (international relations theory; students and politics in developing nations; West African politics).

Joseph R. Fiszman, Ph.D., Professor (political socialization and recruitment; comparative labor movements and labor in politics; Eastern Europe, comparative Communist systems; Soviet-Eastern European political literature).

Arthur M. Hanhardt, Jr., Ph.D., Associate Professor (comparative political systems; comparative politics, biographical data and political behavior; Germany [East and West]; political economy of aging).

James R. Klonoski, Ph.D., Professor (relationship between political and legal systems at the community level; constitutional law and politics; American government and politics; political system of Oregon).

Jerry F. Medler, Ph.D., Associate Professor (methodology; research design, measurement, causal inference, mathematical theory building; models of structure and processes in politics; theories of social control).

Joyce M. Mitchell, Ph.D., Professor (public policy [analysis of processes, outcomes; uses of data]; legislative politics [voting analysis, decision-making]; general comparative politics, conflict theory; women's rights: law, policy and politics; public policy of higher education).

M. George Zaninovich, Ph.D., Professor (political theory; philosophy of political inquiry; political process in multi-ethnic societies; process of nation-building, especially as regards changing socio-political values).

For independent work in Research, Thesis, and Reading and Conference, see page 19.

**Eight-week session (June 18-August 9)**

**PS 100. American Government. 3 credit hours.**

A theoretical introduction to American institutions, American political doctrines, and the American ideology as these affect the

course of politics and public policy in America. Fiszman. Meets 8:30-10:20 Tu, Th.

**PS 207. Introduction to Political Science. 3 credit hours.**

Introduction to the experience and analysis of oppression and its mechanisms in political society. Group discussions in an environment of mutual trust and respect for the ideas and learning of others. Allman. Meets 10:30-12:20 Tu, Th.

**PS 322. Introduction to Comparative Politics. 3 credit hours.**

Analysis of major concepts and approaches in the study of comparative government and politics. Hanhardt. Meets 7:30-9:30 M, W evenings.

**PS 347. Political Power, Influence, and Control. 3 credit hours.**

Examination of political power as a central concept in the study of politics and as an important aspect of political reality; major theoretical and empirical analyses in variety of contexts; power in interpersonal relations as well as governmental institutions; particular attention to relationship between power and democracy. Medler. Meets 1:30-5:20 Wednesdays.

**PS 406. Supervised Field Study.**

Credit hours to be arranged. Consent of instructor is required.

**PS 407, 507. Seminar.**

Credit hours and topics to be arranged. Consent of instructor is required.

**PS 407. Seminar: Crisis in American Politics and Government. (G) 3 credit hours.**

Weekly lectures by members of the Political Science faculty. Topics will include Watergate, political economy of the energy crisis, environmental politics, decentralization of government, problems of underdeveloped countries. Will provide students with knowledge of the structure of the problem, interrelation of the various problems, and skill to analyze future problems when encountered. Open to students with some background in American government and politics who want to augment their information about contemporary issues. Staff. Meets 9:30 M, Tu, W, Th.

**PS 407. Seminar: Political Literature. (G) 3 credit hours.**

Examination of some of the great fictional writing that probes deeply into the problems of political morality, that is, political choice and responsibility for choice. Reading will include three plays, *The Deputy*, *Job*, and *Antigone*, and two short stories, *Billy Budd* and *Mario and the Magician*, and the novels and short stories of Camus, Forster, Robert Penn Warren, Koestler, Malraux, and Lagerqvist. Davies. Meets 10:30-12:30 Tu, Th.

**PS 407. Seminar: African Political Literature. (G) 3 credit hours.**

Designed as an introduction to African politics through an examination of selected political literature. Emphasis on historical experiences in African politics. Discussions will focus on the assigned readings. Five or six short analytical papers required. Finlay. Meets 1:30-5:20 Mondays.

**PS 407. Seminar: Public Policy and Citizen Action. (G) 3 credit hours.**

Survey of some effective avenues for citizen action intended to influence the operation of public policy. Students will participate in surveys, case analysis, examination of consequences. J. Mitchell. Meets 12:30-2:20 Tu, Th.

**PS 407. Seminar: Marxist Political Theory. (G) 3 credit hours.**

Survey of the rich variation in Marxist theoretical expressions and the adaptive facility of Marxism as a theoretical system. Historical and comparative approach to study of Hegel, review of Marx and Engels, analysis of Marxist theoretical expression in Soviet Union, People's Republic of China, and Yugoslavia, and examination of Marxism in mid-twentieth century post-industrial society. Zaninovich. Meets 2:30-4:20 Tu, Th.

**PS 409. Supervised Tutoring Practicum.**

Credit hours to be arranged. Consent of instructor is required.

**PS 467. The American Presidency. 3 credit hours.**

Watergate will be the focus. The institution and function of the presidency studied from the perspective afforded by revelations of Watergate. Includes examination of the Constitution, American history, values, and political culture, past and present American presidents, and the hopes and expectations of the American people. Klonoski. Meets 10:30-12:20 M, W.

**PS 509. Teaching Practicum.**

Credit hours to be arranged. Consent of instructor is required.

# Psychology

Department Head, Robert F. Fagot, Professor (measurement theory, choice theory, psychophysics).

For independent work in Research, Thesis, and Reading and Conference, see page 19.

**Eleven-week session** (June 18-August 30) courses offered in two sequences, 211-213 and 214-216, first term June 18-July 12; second term July 15-August 9; third term, August 12-August 30.

**Psy 211. Sensation and Perception. 4 credit hours.**

June 18-July 12. Introduction to sensory processes; demonstrations. Meets 8:30-10:20 M-F.

**Psy 212. Learning, Thinking, Conditioning. 4 credit hours.**

July 15-August 9. Classical and operant conditioning; acquisition, retention, and utilization of information and behavior; demonstrations. Meets 8:30-10:20 M-F.

**Psy 213. Introduction to Physiological Psychology. 4 credit hours.**

August 12-August 30. Relation of brain to behavior; biological and physiological conditioning of motivated behavior; demonstrations. Meets 8:30-10:20 M-F.

**Psy 214. Personality. 4 credit hours.**

June 18-July 12. Perceptual processes; conditioning and learning; data and theories considered toward social behavior; demonstrations. Meets 8:30-10:20 M-F.

**Psy 215. Developmental. 4 credit hours.**

July 15-August 9. Species, individual and cultural sources of social behavior; developmental processes involved in formation of individual and social types of behavior, including attitudes, beliefs, and pathologies; demonstrations. Meets 8:30-10:20 M-F.

**Psy 216. Social Psychology. 4 credit hours.**

August 12-August 30. Assessment, structure, function and modification of adult personality and behavior; individual differences in various aspects of personality and behavior studies; demonstrations. Meets 8:30-10:20 M-F.

**Eight-week session** (June 18-August 9)**Psy 324. Quantitative Methods in Psychology. 4 credit hours.**

Methods which psychologists have devised for summarizing, describing, and interpreting information from field observations, clinical work, interviews, sensory judgments, learning trials, tests, and experiments. Lectures and supervised workshops. Meets 9:30 M, Tu, W, Th.

**Psy 407. Seminar: Artificial Intelligence. 3 credit hours.**

Meets 11:30 M, Tu, W, Th.

**Psy 414. Psychology of Learning. (g) 3 credit hours.**

Fundamental concepts of conditioning, rote-learning, discrimination, problem-solving, memory, and motor skills. Theory and experimental literature. Psy 324 or equivalent strongly recommended as preparation for this course. Meets 9:30 M, Tu, W, Th.

**Psy 417. Conditioning and Learning. (G) 3 credit hours.**

Survey of the fundamental concept of the acquisition, maintenance, and modification of respondent and operant behavior. Students planning to take Psy 420 are advised to take Psy 417 and Psy 418 in the junior year. Meets 2:30 M, Tu, W, Th.

**Psy 418. Human Learning and Cognition. (G) 3 credit hours.**

Rote verbal learning, coding processes in human learning, attention, memory, skills, motivational factors in learning, and concept formation. Prerequisite: Psy 417, or consent of instructor. Meets 1:30 M, Tu, W, Th.

**Psy 423. Human Performance. (g) 3 credit hours.**

Unified approach to complexities of skilled human performance; capacities and limitations in human ability and performance; applications of performance principles to the study of human-machine systems. Prerequisite: Psy 324 or equivalent. Meets 10:30 M, Tu, W, Th.

**Psy 426. Thinking. (G) 3 credit hours.**

Learning and use of concepts; problem-solving; decision-making; cognitive development and creativity. Prerequisite: Psy 490 or equivalent. Meets 11:30 M, Tu, W, Th.

**Psy 444. Motivation. (G) 3 credit hours.**

Conceptions of motivation; human and animal research on instinct, arousal, motivational psychology, learned motives, conflict and stress, and organization of dispositions. Meets 8:30 M, Tu, W, Th.

**Psy 450. History and Systems of Psychology. (G) 3 credit hours.**

Survey of the development of modern psychology. Critical study of the comprehensive theoretical systems such as behaviorism, S-R psychology, Gestalt psychology, psychoanalysis, and mathematical models, developed to help deal with the methodological and substantive problems of psychology. Prerequisite: 12 credit hours in upper-division psychology. Meets 9:30 M, Tu, W, Th.

**Psy 451. Theories of Personality. (g) 3 credit hours.**

The main phenomena of personality; a critical comparison of the outstanding conceptual systems that have been developed to account for these phenomena. Meets 9:30 M, Tu, W, Th.

**Psy 454. Psychology of Work. (g) 3 credit hours.**

Factors that influence man's efficiency and his motivation to work. Topics include: boredom, fatigue, aging, incentives, working environment, decision-making, design of man-machine systems, achievement motivation, and social influences. Meets 8:30 M, Tu, W, Th.

**Psy 456. Social Psychology (I). (G) 3 credit hours.**

Examination of the factors that lead to the development, maintenance, and modification of social attitudes and beliefs; theory and research on human aggression, prejudice, and altruism examined in order to analyze the attitudinal and situational components of social behavior. Meets 11:30 M, Tu, W, Th.

**Psy 457. Social Psychology (II). (G) 3 credit hours.**

Relationship of the individual to social environment, especially in 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 the basic psychological concepts. Psy 456 recommended. Meets 11:30 M, Tu, W, Th.

**Psy 459. Prejudice. (g) 3 credit hours.**

Examination of theory and research on the origins, maintenance, and modification of intergroup prejudice. Prerequisite: Previous course work in social psychology, or consent of instructor. Meets 10:30 M, Tu, W, Th.

**Psy 460. Human Conflict and Accord. (g) 3 credit hours.**

Nature of interpersonal and intergroup conflict; aggression, non-violence, social trust, conflict control procedures, personality and conflict; conflict and accord in such groups as the family and the community. Meets 1:30 M, Tu, W, Th.

**Psy 475. Developmental Psychology. (g) 3 credit hours.**

Survey of the development of behavior and psychological activity through the prenatal period, infancy, childhood adolescence, maturity, and senescence. Topics include development of language and cognition, socialization, emotional development, and the development of motor capabilities. Emphasis on social influences. Intended for students not wanting the depth of Psy 476, 477, 478. Meets 12:30 M, Tu, W, Th.

**Psy 480. Abnormal Psychology. (g) 3 credit hours.**

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 324 recommended as preparation for this course. Meets 8:30 M, Tu, W, Th.

**Psy 488. Human Sexual Behavior. (g) 3 credit hours.**

The nature of human sexuality; hormonal, instinctual, and learned factors in sexuality; psychosexual development; frequency and significance of various types of sexual behavior; sexual inadequacy; homosexuality; sexual deviation. Meets 11:30 M, Tu, W, Th.

**Psy 507. Seminar.**

Credit hours to be arranged.

**Psy 509. Practicum.**

Credit hours to be arranged.

## Religious Studies

Department Head, Jack T. Sanders, Ph.D., Associate Professor (biblical studies).

Steven M. Goldschmidt, J.D., Assistant Professor of Education (law and education).

Stephen C. Reynolds, Ph.D., Associate Professor (history of western religious thought).

G. Douglas Straton, Ph.D., Professor (philosophy of religion and ethics).

For independent work in Research, Thesis, and Reading and Conference, see page 19.

### Eight-week session (June 18-August 9)

**R 201. Great Religions of the World (I). 3 credit hours.**

Study of the Hindu and Buddhist traditions. Special attention to the philosophy of these religions as shown in their classic texts. Straton. Meets 10:30 M, Tu, W, Th.

**R 202. Great Religions of the World (II). 3 credit hours.**

Study of Confucianism and Taoism; and Ancient Israelite religion and Judaism. Special attention to the philosophy of these religions as shown in their classic scriptures. Reynolds. Meets 9:30 M, Tu, W, Th.

**R 441. Scrolls and Other Finds. (g) 3 credit hours.**

The significance for biblical studies of recently found texts, such as the Dead Sea Scrolls and the Coptic Gnostic Library, and recent archaeological discoveries. Sanders. Meets 11:30 M, Tu, W, Th.

### Additional courses

**R 407. Religion and the Public Schools. (g) 2 credit hours.**

June 12-14 and 26-28. A resident weekend institute intended primarily for high-school and junior-high-school administrators and members of local school boards. Examination of the legal situation regarding the teaching of religion in public schools and the rationales for the teaching of religion; teachers of religion; types of religion courses; curricular materials in religion for use in secondary schools; and teacher training in religion at the University. Interested persons are requested to pre-register by mail or in person with Professor Jack Sanders, Department of Religious Studies, 211 Chapman, by July 1. Goldschmidt, Sanders. Meets 8:00-10:00 Friday evening, 9:00-12:00 and 1:00-4:00 Saturday, and 1:30-4:30 Sunday.

# Romance Languages

Acting Department Head, Richard H. Desroches, Ph.D., Associate Professor (French).

Reba C. Charles, M.A., Instructor (French).

Henry F. Cooper, M.A., Senior Instructor (French).

David Curland, M.A., Senior Instructor (Spanish).

Colette M. Freitag, M.A., Instructor (French).

Alicia G. Harris, M.A., Instructor (Spanish).

Thomas R. Hart, Jr., Ph.D., Professor (Spanish).

Emmanuel Hatzantonis, Ph.D., Professor (Italian).

Robert M. Jackson, Ph.D., Assistant Professor (Spanish).

George Kovic, Ph.D., Visiting Associate Professor, Portland State University (Italian).

Steven F. Rendall, Ph.D., Associate Professor (French).

Miguel Sobré, Ph.D., Visiting Assistant Professor (Spanish).

Wolfgang Sohlich, Ph.D., Assistant Professor (French).

For independent work in Research, Thesis, and Reading and Conference, see page 19.

## French

**Eleven-week session** (June 18-August 30) courses offered in sequence, first term June 18-July 12; second term July 15-August 9; third term August 12-August 30.

**RL 50, 51, 52. First-Year French. 4 credit hours first two terms; 3 credit hours third term.**

Three-term sequence. 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. Sohlich and staff. Three sections: 8:30-10:20 M-F, 10:30-12:20 M-F, 12:30-2:20 M-F.

**RL 101, 102, 103. Second-Year French. 4 credit hours first two terms; 3 credit hours third term.**

Three-term sequence. 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, Rendall. Two sections: 8:30-10:20 M-F, 10:30-12:20 M-F.

**Eight-week session** (June 18-August 9)

**RL 407. Seminar: Intensive Review of French Grammar. (G) 3 credit hours.**

Review of grammar points that traditionally present problems to the student. Flexibly structured to accommodate intermediate and advanced undergraduates. Special attention to needs of teachers and prospective teachers. Prerequisite: at least two years of college French or the equivalent. Sohlich. 9:30-10:20 M, Tu, W, Th.

**RL 407. Seminar: The Contemporary French Novel. (G) 3 credit hours.**

Reading and discussion of selected contemporary French Novels. Rendall. 1:30-3:20 Tu, Th.

**RL 407. Seminar: Molière. (G) 3 credit hours.**

Study of seven of the principal comedies of Molière. Analysis of Molière's comic technique. Desroches. 1:30-3:20 M, W.

## Italian

**Eleven-week session** (June 18-August 30) courses offered in sequence, first term June 18-July 12; second term July 15-August 9; third term August 12-August 30.

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

Three-term sequence. Grammar, pronunciation, composition, and translation of modern authors. Equivalent to first-year Italian given during the regular academic year. Hatzantonis and staff. 8:30-10:20 M-F.

**Eight-week session** (June 18-August 9)

**RL 104, 105. Second-Year Italian. 4 credit hours each term.**

Study of selections from representative authors. Composition, pronunciation, grammar. Equivalent to the first two terms of second-year Italian given during the regular academic year. Staff. 10:30-11:20 M-F.

**RL 407. Seminar: The Sonnet. (G) 3 credit hours.**

A study of its origin and its development. A critical survey of its use in each major period of Italian poetry. An evaluation of its acceptance and fortune in other European literatures. Hatzantonis. 3:30-5:20 Tu, Th.

### Additional courses

**RL 408. Summer Session at Perugia. 12-15 credit hours.**

July 1-August 23. Session on language and culture at Italian University for Foreigners, Perugia, Italy. One year of Italian recommended. Interested persons should apply to the Department of Romance Languages. Kovic.

## Spanish

**Eleven-week session** (June 18-August 30) courses offered in sequence, first term June 18-July 12; second term July 15-August 9; third term August 12-August 30.

**RL 60, 61, 62. First-Year Spanish. 4 credit hours first two terms; 3 credit hours third term.**

Three-term sequence. An introduction to Spanish, stressing speaking and reading; exercises in elementary composition. Equivalent to first-year Spanish given during the regular academic year. Staff. Two sections: 8:30-10:20 M-F, 10:30-12:20 M-F.

**RL 107, 108, 109. Second-Year Spanish. 4 credit hours first two terms; 3 credit hours third term.**

Three-term sequence. 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 the regular academic year. Jackson and staff. 8:30-10:20 M-F.

**Eight-week session** (June 18-August 9)

**RL 407. Seminar: Intensive Review of Spanish Grammar. (G) 3 credit hours.**

Review of grammar points that traditionally present problems to the student. Flexibly structured to accommodate intermediate and

advanced undergraduates. Special attention to needs of teachers and prospective teachers. Prerequisite: at least two years of college Spanish or the equivalent. Harris. 9:30-10:20 M, Tu, W, Th.

**RL 407. Seminar: The Civil War in Spanish Literature. (G) 3 credit hours.**

A survey of socially committed poetry and prose arising from the ideological struggle that culminated in the Civil War. Among Spanish authors to be treated: Sender, Miguel Hernandez, Neruda, Antonio and Manuel Machado, Damaso Alonso, Blas de Otero, Cela; foreign writers: Hemingway, Koestler, Orwell, Jackson. 11:30-1:20 M, W.

**RL 407. Seminar: New Currents in Spanish Poetry 1500-1650. (G) 3 credit hours.**

An introduction to the poetry of the Golden Age with attention to contemporary developments in Spanish social and intellectual history. Hart. 11:30-1:20 Tu, Th.

### Additional courses

**RL 408. Workshop in Mexico. 12 credit hours.**

July 1-August 9. Intensive study of Spanish at different levels in Cuernavaca, Mexico. Prerequisite: one year of Spanish, plus instructor's consent. Sobré.

## Institute for Teachers of Modern Languages

The Institute is designed to provide teachers of French or Spanish with courses which will improve their teaching skills. It is possible for participants to select any combination of course units. Credit earned is applicable to the Standard Teacher's Certificate of the State of Oregon. For further information, write David J. Curland, Department of Romance Languages.

### French

**RL 508. Workshop: Pronunciation and Phonetics. 2 credit hours.**

June 18-July 12. Freitag. 8:30-9:20 M-F.

**RL 508. Workshop: Applied Linguistics. 2 credit hours.**

July 15-August 9. Charles. 8:30-9:20 M-F.

### Spanish

**RL 508. Workshop: Culture and Civilization of Spain. 2 credit hours.**

June 18-July 12. Designed to meet requirements for the Standard Teacher's Certificate in Oregon. Elements of Spanish geography, history, politics, and education. Curland. 9:30-10:20 M-F.

**RL 508. Workshop: Pronunciation and Phonetics. 2 credit hours.**

June 18-July 12. Curland. 10:30-11:20 M-F.

**RL 508. Workshop: Applied Linguistics. 2 credit hours.**

July 15-August 9. Curland. 10:30-11:20 M-F.

## Sociology

Department head, Richard J. Hill, Ph.D., Professor (methodology, social psychology, formal theory).

Joan R. Acker, Ph.D., Associate Professor (sociology of women, stratification, sociology of social welfare, organizations and occupations).

Lawrence R. Carter, Ph.D., Assistant Professor (demography, human ecology, urban sociology).

Steven E. Deutsch, Ph.D., Professor (economic, political, comparative sociology).

Ronald G. Faich, Ph.D., Assistant Professor (sociology of natural resources; statistics and methodology, sociology of medicine).

John M. Foskett, Ph.D., Professor (social institutions, history of social thought, sociological theory).

Richard P. Gale, Ph.D., Associate Professor, Associate Department Head (sociology of the environment, industrial sociology, sociology of development).

Daniel N. Gordon, Ph.D., Associate Professor (urban sociology and ecology, sociology of law, political sociology).

Jay Jackson, Ph.D., Professor (social psychology, role theory, organizational theory).

G. Benton Johnson, Ph.D., Professor (sociology of religion, sociological theory, stratification).

Kenneth Polk, Ph.D., Professor (delinquency and criminology, methodology).

Albert Szymanski, Ph.D., Assistant Professor (stratification, social movements, theory, comparative sociology).

Donald R. Van Houten, Ph.D., Associate Professor (complex organizations, sociology of occupations, sociological theory).

For independent work in Research, Thesis, and Reading and Conference, see page 19.

### Eight-week session (June 18-August 9)

**Soc 306. Social Psychology. 3 credit hours.**

Introductory course in social psychology, integrating psychological and sociological perspectives: behaviorist, cognitive, dynamic personality, and role theoretical orientations to issues of aggression, attitude formation and change, interpersonal attraction, social influence and conformity, group membership, and leadership. Prerequisite: Soc 201. Jackson. Meets 1:30 M, Tu, W, Th.

**Soc 327. Introduction to Social Research. 3 credit hours.**

The development of social research; the nature of scientific inquiry and basic methods and techniques; examination of representative sociological studies from the standpoint of methodology. Prerequisite: 9 credit hours in sociology, or consent of instructor. Polk. Meets 9:30 M, Tu, W, Th.

**Soc 406, 506. Supervised Field Study.**

Credit hours to be arranged. Gale.

**Soc 407. Seminar: Advanced Social Psychology. (G) 3 credit hours.**

Seminar on symbolic interactionist perspective in social psychology: the theoretical orientation and directions; social process as symbolic transformation; situational definitions; social worlds; interaction processes; self and socialization; situated actions; making and breaking of deviants. Consent of instructor is required. Jackson. Meets 7:00-10:50 Tuesday evenings.

**Soc 440. Criminology and Delinquency. (G) 3 credit hours.**

The nature and extent of delinquency and crime as forms of deviant social behavior; contributing factors; current prevention and treatment programs. Prerequisite: Soc 201. Polk. Meets 8:30 M, Tu, W, Th.

**Additional courses****Soc 201. Introduction to Sociology. 3 credit hours.**

June 18-July 12. Introduction to the sociological perspective, with emphasis on fundamental concepts, theories, and methods of research. Faich, Foskett. Two sections: meets 8:30-10:20 M, Tu, W, Th, or 10:30-12:20 M, Tu, W, Th.

**Soc 210. Communities, Population, and Resources. 3 credit hours.**

July 15-August 9. Analysis of the interrelationship of population and resources in the structuring of human communities; examination of processes of community change which occur in response to major social problems, population redistribution, and resource alteration; alternatives of the traditional community. Prerequisite: Soc 201. Carter. Meets 10:30-12:20 M, Tu, W, Th.

**Soc 211. Social Deviancy and Social Control. 3 credit hours.**

June 18-July 12. Concepts of deviance, theories explaining deviant behavior, and mechanisms for the social control of deviance. Prerequisite: Soc 201. Van Houten. Meets 10:30-12:20 M, Tu, W, Th.

**Soc 215. Social Issues and Social Movements. 3 credit hours.**

July 15-August 9. Contemporary social issues viewed from a sociological perspective. Poverty, racism, militarism, and other issues are related to the social structure of American society. Social movements and ideologies related to these issues are examined. Prerequisite: Soc 201. Szymanski. Meets 12:30-2:20 M, Tu, W, Th.

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

June 18-July 12. Analysis of the structure and organization of human communities. Prerequisite: Soc 201. Gordon. Meets 10:30-12:20 M, Tu, W, Th.

**Soc 370. Development of Sociology. 3 credit hours.**

July 15-August 9. Starting with Plato, the major writers and ideas that have shaped contemporary sociology are analyzed, with focus on recurrent concepts and issues that continue to challenge sociological inquiry. Special attention to the ways in which social structure affects social thought and vice versa. Meets 10:30-12:20 M, Tu, W, Th.

**Soc 371. Contemporary Sociological Perspectives. 3 credit hours.**

June 18-July 12. Introduction to the main sociological theories in current use, such as functionalism, conflict theory, balance theory, exchange theory, systems theory, human ecology, and social evolution. Prerequisite: 9 credit hours in sociology, or consent of instructor. Johnson. Meets 2:30-4:20 M, Tu, W, Th.

**Soc 407. Seminar: Politics of Work. (G) 3 credit hours.**

June 18-July 12. Selected political processes related to work, occupations, and bureaucracies; e.g., politics of evaluation, career development and organizational change; employees as citizens. Consent of instructor is required. Van Houten. Meets 7:00-10:50 M, W evenings.

**Soc 407. Seminar: Marxist Social Theory. (G) 3 credit hours.**

July 15-August 9. An analytical overview of the social theory of Marx and Engels supplemented by a discussion of selected ideas

from the following: Lenin, Trotsky, Stalin, Mao-Tse-Tung, Baran-Sweezy, Frank, Marcuse, Reich, Gorz, Mitchell, Firestone, and Fanon. The focus will be on understanding Marxism as an alternative to bourgeois sociology and as an authentic science of society. Prerequisite: 9 credit hours in sociology, or consent of instructor. Szymanski. Meets 2:30-4:20 M, Tu, W, Th.

**Soc 442. Urbanization and the City. (G) 3 credit hours.**

July 15-August 9. Determinants and consequences of urbanization under different conditions; the city as a social and ecological system. Prerequisite: 9 credit hours in sociology, or consent of instructor. Carter. Meets 1:30-3:20 M, Tu, W, Th.

**Soc 455. Sociology of Women. (G) 3 credit hours.**

June 18-July 12. Examination of the major theoretical explanations of the disadvantaged position of women; the relationship of the position of women to family structure, the economic system, and other structural dimensions of the society; social processes which perpetuate the present structuring of sex roles; the development of the feminist movement and prospects for the achievement of its goals. Prerequisite: introductory course in women's studies, or consent of instructor. Acker. Meets 8:30-10:20 M, Tu, W, Th.

**Soc 491. Sociology of Education. (G) 3 credit hours.**

June 18-July 12. Analysis of the major functions of education for the larger society; effects of societal change on education; the school and the community; the school as a social system. Prerequisite: 9 credit hours in sociology. Deutsch. Meets 10:30-12:20 M, Tu, W, Th.

## Speech

Department Head, Carl W. Carmichael, Ph.D., Associate Professor (language and communication).

Barbara L. Breden, M.A., Teaching Fellow (fundamentals of speech communication).

James K. Carroll, M.A., Instructor (broadcast communication).

Gary P. Cross, Ph.D., Assistant Professor (communication theory, forensics, nonverbal communication).

Jean V. Cutler, Ph.D., Professor (theater).

Faber B. DeChaine, Ph.D., Professor (theater).

Susan E. Dellinger, Ph.D., Assistant Professor (speech communication education).

William R. Elliott, Ph.D., Assistant Professor (broadcast communication).

Robert P. Friedman, Ph.D., Professor (rhetoric, public discourse).

Ronald B. Gloekler, M.A., Assistant Professor (theater).

Paul R. Hamilton, M.S., Teaching Fellow (fundamentals of persuasion).

William J. Hamlin, M.A., Teaching Fellow (fundamentals of speech communication).

Vicki Ann Hansen, M.A., Teaching Fellow (fundamentals of small group communication).

Elwood A. Kretsinger, Ph.D., Professor (broadcast communication).

Suzanne Larson, M.A., Teaching Fellow (fundamentals of speech communication).

Ronald E. Sherriffs, Ph.D., Associate Professor (broadcast communication).

J. Thibau, M.F.A., Visiting Assistant Professor (theater).

For independent work in Research, Thesis, and Reading and Conference, see page 19.

## Rhetoric and Communication

### Eight-week session (June 18-August 9)

**RhCm 121. Fundamentals of Speech Communication. 3 credit hours.**

Projects in extempore speaking and analysis of the process of communications. Breden, Larson, Hamlin. Three sections: meets 8:30-9:20, 9:30-10:20, or 12:30-1:20 M, Tu, W, Th.

**RhCm 122. Fundamentals of Persuasion. 3 credit hours.**

Emphasis on message construction, organization, audience motivation, language, persuasion, and the preparation and presentation of persuasive speeches. Hamilton. Meets 9:30-10:20 M, Tu, W, Th.

**RhCm 123. Fundamentals of Small Group Communication. 3 credit hours.**

Emphasis on participation and analysis of interaction in the small group. Hansen. Meets 10:30-11:20 M, Tu, W, Th.

**RhCm 321. The Logic of Argument. 3 credit hours.**

The study of principles of reasoning and evidence, particularly as they apply to oral discourse. Friedman. Meets 10:30-11:20 M, Tu, W, Th.

**RhCm 322. Persuasion. 3 credit hours.**

The study of motivation and audience adaptation, particularly as they apply to oral communication. Cross. Meets 12:30-2:20 M, W.

**RhCm 323. Small Group Communication. 3 credit hours.**

Study of interaction in group communication. Emphasis upon verbal and nonverbal factors relevant to group problem-solving. Dellinger. Meets 9:30-10:20 M, Tu, W, Th.

**RhCm 407. Seminar: Nonverbal Dimensions in Communication. (G) 4 credit hours.**

Descriptive and experimental explorations into phenomena of nonverbal behavior as related to interpersonal communication. Cross. Meets 11:30-12:20 M, Tu, W, Th, plus two hours of arranged laboratory each week.

**RhCm 407. Seminar: Teaching Strategies in Speech Communication. (G) 3 credit hours.**

Problems in conceptualization of the teaching/learning process, transference of conceptualization to viable teaching strategies, and design of realistic behavioral performance objectives for speech and theater secondary teachers. Also open to upper-division undergraduates with permission of the instructor. Dellinger. Meets 8:30-10:20 Tu, Th.

**RhCm 409, 509. Practicum.**

Credit hours to be arranged.

**RhCm 425. Freedom of Speech. (G) 3 credit hours.**

History and development of freedom of speech in the United States. Friedman. Meets 8:30-10:20 Tu, Th.

**RhCm 431. Speech Communication Theory. (G) 3 credit hours.**

Survey of the experimental literature relevant to speech communication. Includes studies of models of the communication process, audience, message, and speaker variables, and the teaching of speech. Carmichael. Meets 10:30-11:20 M, Tu, W, Th.

**RhCm 505. Reading: Argumentation. 2-3 credit hours.**

Friedman. Time to be arranged.

**RhCm 505. Reading: Small Group Communication. 2-3 credit hours.**

Cross. Time to be arranged.

**RhCm 507. Seminar.**

Credit hours to be arranged.

### Additional courses

**RhCm 408. Workshop for Speech Communication Teachers. (G) 3-4 credit hours.**

June 18-July 12. To emphasize four areas of concentration: (1) design of competency-based objectives, (2) recent literature on interpersonal approach to secondary speech communication, (3) new methods and materials in the field, and (4) supervision of student teachers and instructional assistants. Dellinger and staff. Meets 1:30-3:20 M, Tu, W, Th.

**RhCm 409. Practicum: Forensic Activities. (G) 3-4 credit hours.**

August 12-23. Explores the pedagogical aspects of teaching forensics. Cross. Meets 9:00-4:00 M-F with additional meetings to be arranged.

## Broadcast Communication

### Eight-week session (June 18-August 9)

**BC 241. Fundamentals of Broadcasting. 3 credit hours.**

General survey of broadcasting, including history, growth, social aspects, laws and policies, station and network organization, programming, the advertiser, the listener, public interest, standards of criticism, comparison of broadcast systems, international broad-application. Consent of instructor is required. Non-majors only. Kretsinger. Meets 9:30-10:20 M, Tu, W, Th.

**BC 341. Radio and Television Workshop. 3 credit hours.**

Broadcast performance technique; physical, acoustic, and mechanical theory and its application; interpretive theory and its application. Consent of instructor is required. nonmajors only. Kretsinger. Meets 11:30 M, Tu, W, Th.

**BC 344. Television Workshop. 3 credit hours.**

Theory and practice of television broadcasting. Consent of instructor is required. Majors only. Kretsinger. Meets 11:30 M, Tu, W, Th.

**BC 407. Seminar. (G)**

Credit hours to be arranged.

**BC 407. Seminar: Communication and National Development. (G) 3 credit hours.**

A theoretical approach to the role of communication in the acceleration of social and economic change in developed and developing nations. The emphasis will be on mass communication although interpersonal channels of communication will also be stressed. Elliott. Meets 1:30-2:20 M, Tu, W, Th.

**BC 407. Seminar: Contemporary Issues in Broadcasting. (G) 3 credit hours.**

Identification and analysis of factors affecting development of broadcasting in this country. Emphasis on legal and economic consequences of current questions: counter-advertising, "free" vs.

pay television, conduct of elections, public access, and license challenges. Elliott. Meets 11:30-12:20 M, Tu, W, Th.

**BC 409. Practicum. (G)**

Credit hours to be arranged.

**BC 433. Theory of Mass Communication. (G) 3 credit hours.**

Development of mass communication systems, special emphasis on role of the broadcast media in complex modern societies. Structure and functions of mass media considered in relation to several theories of mass communication. Analysis of the social context within which mass communication occurs. Elliott. Meets 9:30-10:20 M, Tu, W, Th.

**J 407. Seminar: Radio-Television Problems. 3 credit hours.**

**J 431. Radio-Television News (I). 3 credit hours.**

Basic course in broadcast reporting, writing, and newscasting, with emphasis on radio news. Prerequisite: J 250. Nestvold. Meets 8:30 M, Tu, W, Th.

### Additional courses

**BC 508. Workshop: Educational Television. 4 credit hours.**

Two sessions: June 18-July 12, or August 12-23. 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. Consent of instructor is required. Carroll, Sherriffs. First session meets 1:30-5:20 M-F. Second session meets 8:30-4:20 M-F.

## Theater

### Eight-week session (June 18-August 9)

**Th 199. Special Studies. 1-3 credit hours.**

**Th 199. Special Studies: Stage Combatives. 3 credit hours.**

Swordplay and dueling for the stage. Combat techniques. Types of weapons. Fights with and without weapons. Falls and injuries. Safety precautions and care of weapons. Meets 8:30-10:20 Tu, Th.

**Th 251. Elements of Acting. 3 credit hours.**

Elementary principles of acting technique. Meets 11:30-12:20 M, Tu, W, Th.

**Th 324. Advanced Interpretation. 3 credit hours.**

Instruction in the discovery and oral expression of meaning and feeling in prose, poetry, and dramatic literature. DeChaine. Meets 11:30-12:20 M, Tu, W, Th.

**Th 368. Survey of Dramatic Art. 3 credit hours.**

Developments in dramatic literature and theater practices from the Renaissance to the rise of Realism. Thibeau. Meets 9:30-10:20 M, Tu, W, Th.

**Th 407. Seminar. (G)**

Credit hours to be arranged.

**Th 407. Seminar: Production Methods. (G) 3 credit hours.**

Principles and practices of producing and directing; stage management, publicity and promotion; business management. The selection of plays; casting and rehearsal scheduling and procedures. Thibeau. Meets 10:30-11:20 M, Tu, W, Th.

**Th 407. Seminar: Experimental Films. (G) 3 credit hours.**

A survey of representative films which have explored forms, functions, and techniques of film-making. Cutler. Meets 7:00-10:00 Tuesday evenings.

**Th 407. Seminar: Playwriting. (G) 3 credit hours.**

Students prepare scripts with the understanding that the written play is a skeletal plan for production. Cutler. Meets 1:30-4:30 Mondays.

**Th 407. Seminar: Contemporary Theater Production Systems. (G) 3 credit hours.**

Finances, politics and art: a comparative study of the producing systems of regional repertory theaters, the New York and London professional theaters, "off-off Broadway," and experimental theaters. DeChaine. Meets 9:30-10:20 M, Tu, W, Th.

**Th 407. Seminar: Children's Theater. (G) 3 credit hours.**

Theater with and for children. Creative dramatics. Puppets. Gloekler. Meets 11:30-12:20 M, Tu, W, Th.

**Th 408. Workshop: Technical Production. 3 credit hours.**

Practical production experience in scenery construction, costume construction, lighting, properties, sound, make-up, promotion and publicity. Thibeau. Times to be arranged.

**Th 408. Workshop. (G) 1-3 credit hours.**

Times to be arranged.

**Th 408. Workshop: Motion Picture Production. (G) 3 credit hours.**

Each individual will assist in the planning, filming, editing, and screening of a motion picture. Consent of instructor is required. Cutler. Meets 10:30-11:20 M, Tu, W, Th.

**Th 409. Practicum. (G)**

Credit hours to be arranged.

**Th 409. Practicum: Film Editing. (G) 3 credit hours.**

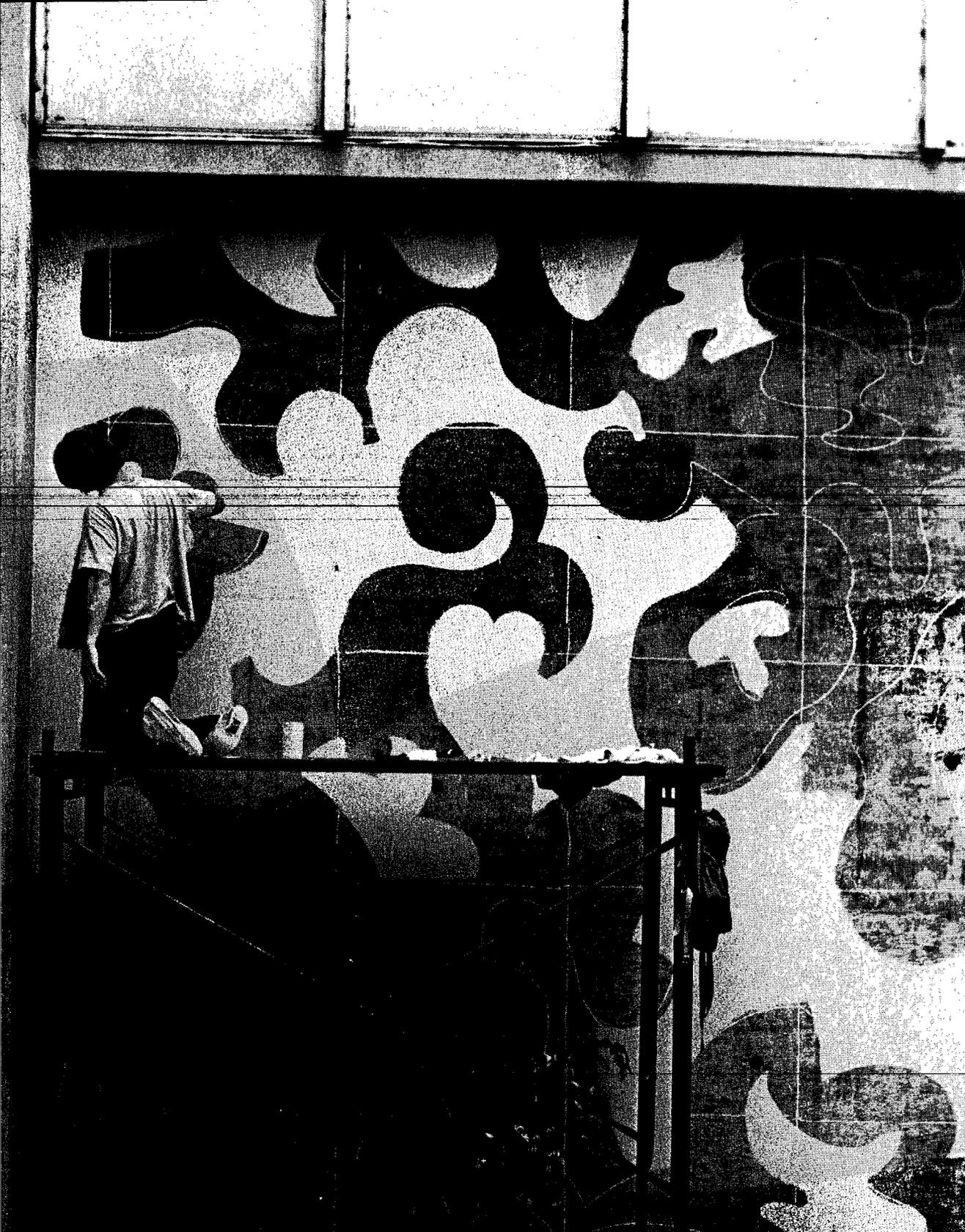
A study of interrelated concepts of time, space, and action, and the techniques of editing film. Cutler. Meets 11:30-12:20 M, Tu, W, Th.

**Th 409. Practicum: Rehearsal and Performance. (G) 1-3 credit hours.**

Production experience for the actor. Consent of instructor is required. DeChaine. Times to be arranged.

**Th 409. Practicum: Special Technical Projects. (G) 3 credit hours.**

Special projects and problems in scenery, construction, special effects, costume construction. Production experience in scene design, costume design, lighting design, make-up design, property design, and special effects. Consent of instructor is required. Gloekler. Times to be arranged.



# Professional Studies

## School of Architecture and Allied Arts

Dean, Robert S. Harris, M.F.A., Professor (architecture).  
Assistant to Dean, George M. Hodge Jr., M.S., Professor (architecture).  
Department Head, Architecture, Wilmot G. Gilland, M.F.A., Professor.  
Department Head (Acting), Art Education, Gordon L. Kensler, Ph.D., Professor.  
Department Head, Art History, Marion D. Ross, M.Arch., Professor.  
Department Head, Fine and Applied Arts, Robert C. James, M.F.A., Professor.  
Department Head, Landscape Architecture, Jerome K. Diethelm, M.L.Arch., Associate Professor.  
Department Head, Urban Planning, David C. Povey, Ph.D., Associate Professor.

## Architecture

Department Head, Wilmot G. Gilland, M.F.A., Professor.  
Robert R. Ferens, M.Arch., Professor (architecture).  
Rosaria Hodgdon, Dott. Archit., Visiting Assistant Professor (architecture).  
Lyman T. Johnson, M.A., Associate Professor (interior architecture).  
William Kleinsasser, M.F.A., Professor (architecture).  
Michael Pease, Visiting Assistant Professor (architecture).  
Guntis Plesums, M.Arch., Assistant Professor (architecture).  
John S. Reynolds, M.Arch., Associate Professor (architecture).  
Stephen J. Y. Tang, M.S., Professor (architecture).  
Michael Utsey, M.Arch., Assistant Professor (architecture).

For independent work in Research, Thesis, and Reading and Conference, see page 19.

**Eight-week session (June 18-August 9)**

**Arch 333. Introduction to Architectural Media. 4 credit hours.**  
No-grade course. Exploration of media as means of perceiving and discovering qualities and characteristics of the physical environment. Development of techniques and skills in abstracting information for communication, study and projection. Department approval is required. Utsey. Meets 1:30-5:20 Tu, Th.

**Arch 380. Architectural Design. 5 credit hours.**  
No-grade course. Design projects requiring comprehensive and integrative study. Individual criticism, group discussions, lectures, and review of projects. Prerequisite: Arch 180, and department approval. Staff. Meets 8:30-12:20 M, Tu, W, Th.

**Arch 406. Special Problems.**  
Credit hours to be arranged.

**Arch 472. Structural Planning. (G) 3 credit hours.**  
Methodology in integrative design and planning. Prerequisite: fourth year, fifth year, and graduate architecture majors. Consent of instructor is required. Tang. Meets 1:30-3:20 M, Tu, W, Th.

**Arch 506. Special Problems.**  
Credit hours to be arranged.

## Interior Architecture

For independent work in Research, Thesis, and Reading and Conference, see page 19.

**Eight-week session (June 18-August 9)**

**Arch 388. Interior Design. 5 credit hours.**  
A series of creative problems in interior design; intensive analysis of design; methods of problem solution; individual criticism; review of projects. Prerequisite: Arch 288. No-grade course. Consent of instructor is required. Johnson. Meets 8:30-12:20 M, Tu, W, Th.

**Arch 406. Special Problems.**  
Credit hours to be arranged.

**Arch 488. Interior Design Terminal Project. 5 credit hours.**  
Student initiated studies in interior design for the terminal project. Emphasis on comprehensive and integrative study. A no-grade course. Prerequisite: 20 credit hours of Arch 388. Consent of instructor is required. Johnson. Meets 8:30-12:20 M, Tu, W, Th.

**Arch 506. Special Problems.**  
Credit hours to be arranged.

## Landscape Architecture

Department Head, Landscape Architecture, Jerome K. Diethelm, M.L.Arch., Associate Professor.

Eugene H. Bressler, M.L.A., Assistant Professor (landscape architecture).

William H. Havens, M.L.A., Associate Professor (landscape architecture).

Ronald J. Lovinger, M.L.A., Associate Professor (landscape architecture).

For independent work in Research, Thesis, and Reading and Conference, see page 19.

**Eight-week session (June 18-August 9)**

**LA 406. Special Problems.**  
Credit hours to be arranged.

**LA 506. Special Problems.**  
Credit hours to be arranged.

**LA 509. Graduate Terminal Project.**  
Credit hours to be arranged.

### Additional courses

**LA 408. Design Workshop (I). 3 credit hours.**  
June 18-July 12; two sections. Concentrated four-week program in Landscape Architecture design problems. Laboratory study and discussion. No-grade course. Consent of instructor is required. Bressler, Lovinger. Meets 8:30-12:20 M, Tu, W, Th.

**LA 408. Design Workshop (II). 3 credit hours.**  
July 15-August 9; two sections. Concentrated four-week program in Landscape Architecture design problems. Laboratory study and discussion. No-grade course. Consent of instructor is required. Bressler, Havens. Meets 8:30-12:20 M, Tu, W, Th.

## Urban Planning

Department Head, David C. Povey, Ph.D., Associate Professor (urban planning).

For independent work in Research, Thesis, and Reading and Conference, see page 19.

**Eight-week session (June 18-August 9)**

**UP 509. Terminal Project.**  
Credit hours to be arranged. No-grade course. Povey.

## Art Education

Department Head (Acting), Gordon L. Kensler, Ph.D., Professor.

Thomas O. Ballinger, M.A., Professor (art education).

Vincent Lanier, Ed.D., Professor (art education).

Althea B. Williams, Ph.D., Visiting Assistant Professor (art education).

For independent work in Research, Thesis, and Reading and Conference, see page 19.

**Eight-week session (June 18-August 9)**

**ArE 409. Practicum: School Art. (G) 3 credit hours.**

Field experience for the prospective art teacher; opportunity to formulate personal and professional objectives based upon field observations and opportunities. Meets state certification requirements. Consent of instructor is required. Ballinger. 10:30-11:20 Tu, plus field work.

**ArE 495. Newer Media in Art Education. (G) 3 credit hours.**  
An investigation of the implications of new technologies, teaching strategies, concepts, and communication media for the teaching of art. Meets state certification requirements. Lanier. 10:30-12:20 M, Tu, W.

**ArE 506. Special Problems: Terminal Project.**  
Credit hours to be arranged. Kensler.

**ArE 507. Seminar: Advanced Methods and Art Curriculum Development in Secondary Schools. 3 credit hours.**  
Consent of instructor is required. Kensler. 12:30-2:20 M, W.

### Additional courses

**ArE 407. Teaching Art in the Multi-Cultured Classroom. (G) 3 credit hours.**  
June 18-July 12. Teaching strategies in working with minority groups using art experiences for a better understanding of the American educational process; discussion and laboratory activity. Williams, 2:30-4:20 Tu, W, Th.

**ArE 411. Methods and Research Materials: Art in the Elementary School. (G) 3 credit hours.**  
June 18-July 12. A study of literature and research in the field; laboratory investigation of materials, ideas, and methods currently used in elementary schools. Satisfies state certification requirement for an elementary art-methods course. Consent of instructor is required. Williams 8:30-12:20 M, Tu, W, Th.

**ArE 492. Teaching Art History in Secondary School. (G) 3 credit hours.**  
June 18-July 26. Critical examination of the problems involved in the teaching of art history in the general art program in junior and senior high schools. Investigation of traditional teaching methodology of art history as opposed to alternate possibilities. Prerequisite: 9 credit hours of art history. Ballinger. 8:30-10:20 Tu, W, Th.

# Art History

Department Head, Marion D. Ross, M.Arch., Professor.  
Esther J. Leong, Ph.D., Associate Professor (art history).

For independent work in Research, Thesis, and Reading and Conference, see page 19.

## Eight-week session (June 18-August 9)

### ArH 201. Survey of Visual Arts. 3 credit hours.

Study and understanding of the spatial arts; architecture, landscape, and town planning. Historical and contemporary examples will be used to illustrate general principles. This course may be used for part of the Arts and Letters group requirement. Ross. 9:30 M, Tu, W, Th.

### ArH 207. History of Oriental Art. 3 credit hours.

Arts of India. First term of a three-term sequence in oriental art. Selected works of painting, sculpture, and architecture studied in relation to the culture in which they were produced. This course may be used for part of the Arts and Letters group requirement. Leong. 10:30 M, Tu, W, Th.

### ArH 407. Seminar: Oregon Architecture. (G) 3 credit hours.

A review of building in Oregon and the adjacent Northwest from pioneer structures to the present day, 1840-1970. Lectures, class discussions, and field trips. Consent of instructor is required. Ross. 1:30-3:20 Tu, Th.

# Fine and Applied Arts

Department Head, Robert C. James, M.F.A., Professor.  
Paul E. Buckner, M.F.A., Professor (sculpture).  
David G. Foster, M.F.A., Professor (graphic design).  
Bernard L. Freemesser, M.S., Professor (graphic design).  
LaVerne Krause, B.S., Professor (printmaking).  
C. Max Nixon, B.F.A., Professor (jewelry, weaving).  
Frank S. Okada, B.F.A., Associate Professor (painting).  
Kenneth H. Paul, M.A., Assistant Professor (painting).  
William N. Roy, M.F.A., Assistant Professor (sculpture).  
C. Bryan Ryan, M.F.A., Professor (painting).  
Peggy Rycraft, B.S., Visiting Lecturer (printmaking).  
Robin Rycraft, Visiting Lecturer (printmaking).  
Jan Zach, Professor (sculpture).

For independent work in Research, Thesis, and Reading and Conference, see page 19.

# Graphic Design

## Eight-week session (June 18-August 9)

### Art 199. Introduction to Visualization. 4 credit hours.

Study of methods and devices employed in giving visual form to thought. James. Meets 8:30-10:20 M, Tu, W, Th.

### Art 406. Special Problems. (G)

Credit hours to be arranged.

### Art 408. Introduction to Visualization Workshop. (G) 4 credit hours.

The functional relationship between verbal and visual forming is explored to provide an understanding of the interdependence of form and content. Foster. Meets 10:30-12:20 M, Tu, W, Th.

### Art 498. Terminal Creative Project. (G)

Credit hours to be arranged. Open only to candidates for the B.F.A. degree.

### Art 509. Terminal Creative Project.

Credit hours to be arranged.

## Additional courses

### Art 408. Advanced Photography Workshop. (G) 6 credit hours.

June 18-July 12. A search for form in the landscape of the frontier west. Advanced laboratory techniques as an extension of field work. Travel and camping by private car. Prerequisite: Basic photography course or equivalent. Consent of instructor is required. Freemesser. Meets 8:30-4:20 M-F.

# Jewelry & Metalsmithing

## Eight-week session (June 18-August 9)

### Art 257. Jewelry and Metalsmithing. 2-3 credit hours.

Introduction to the handworking of nonferrous metals: copper, brass, bronze, silver, gold. Practical information about making jewelry and metal objects: soldering stone settings, centrifuge casting, forging, raising. Nixon. Meets 10:30-12:20 M, Tu, W, Th.

### Art 406. Special Problems. (G)

Credit hours to be arranged.

### Art 498. Terminal Creative Project. (G)

Credit hours to be arranged. Open only to candidates for the B.F.A. degree.

### Art 509. Terminal Creative Project.

Credit hours to be arranged.

# Painting

## Eight-week session (June 18-August 9)

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

Instructions in the use of oil color, water color, and other media. Ryan. Meets 10:30-12:20 M, Tu, W, Th.

### Art 291. Drawing. 2-3 credit hours.

Training in observation, selection, and recording of significant elements in various drawing media. Paul. Meets 10:30-12:20 M, Tu, W, Th; Ryan. Meets 1:30-3:20 M, Tu, W, Th.

### Art 390. Painting. 2-4 credit hours.

Advanced study of painting concepts and technical processes. Prerequisite: 8 credit hours of lower-division painting. Paul. Meets 8:30-10:20 M, Tu, W, Th.

**Art 391. Drawing. 2-4 credit hours.**

Continued observation related to visual and spatial phenomena. Prerequisite: 4 credit hours of Art 291. Ryan. Meets 8:30-10:20 M, Tu, W, Th.

**Art 392. Composition and Visual Theory. 2-4 credit hours.**

A study of visual theory and its relation to visual, tactile, kinetic, and mnemonic characterizations. Concurrent registration in Art 290 required. Ryan. Meets 10:30-12:20 M, Tu, W, Th.

**Art 406. Special Problems. (G)**

Credit hours to be arranged.

**Art 490. Advanced Painting. (g) 2-4 credit hours.**

Advanced problems in portrait, figure, landscape, and still life in all media. Prerequisite: 12 credit hours in Art 290 or Art 390. Okada. Meets 1:30-3:20 M, Tu, W, Th.

**Art 491. Advanced Drawing. (g) 2-4 credit hours.**

Advanced work in drawing. Study of form from figure. Prerequisite: 6 credit hours of Art 291 or Art 391. Okada. Meets 3:30-5:20 M, Tu, W, Th.

**Art 498. Terminal Creative Project. (G)**

Credit hours to be arranged. Open only to candidates for the B.F.A. degree.

**Art 509. Terminal Creative Project.**

Credit hours to be arranged.

## Printmaking

**Eight-week session (June 18-August 9)****Art 199. Introduction to Bookbinding. 2 credit hours.**

Consent of instructor is required. Krause, P. Rycraft, R. Rycraft. Meets 1:30-3:20 M, Tu, W, Th.

**Art 349. Fundamentals of Printmaking. 3 credit hours.**

Graphic reproduction and print techniques in silk screen, block printing, and photographic processes. Krause. Meets 8:30-10:20 M, Tu, W, Th.

**Art 406. Special Problems. (G)**

Credit hours to be arranged.

**Art 408. Workshop: Decorated and Marbled Papers. (G) 2 credit hours.**

P. Rycraft. Meets 5:30-7:20 Tuesday evenings.

**Art 408. Workshop: Bookbinding. (G) 2 credit hours.**

R. Rycraft. Meets 3:30-5:20 Tuesdays.

**Art 483. Intaglio Printing Methods. (G) 2-4 credit hours.**

Etching, drypoint, engraving, aquatint, soft ground relief etching, and collograph. Plate making and hand-printing editions. Prerequisite: Art 349. Krause. Meets 10:30-12:20 M, Tu, W, Th.

**Art 498. Terminal Creative Project. (G)**

Credit hours to be arranged. Open only to candidates for the B.F.A. degree.

**Art 509. Terminal Creative Project.**

Credit hours to be arranged.

## Sculpture

**Eight-week session (June 18-August 9)****Art 293. Elementary Sculpture. 2-4 credit hours.**

Introduction to materials. Elementary consideration of forms; technical and compositional exercises in clay, plaster, wood, and stone. Open to nonmajors. Buckner. Meets 10:30-12:20 M, Tu, W, Th.

**Art 406. Special Problems. (G)**

Credit hours to be arranged.

**Art 406. Sculpture Symposium. 2 credit hours.**

Course will include one major presentation by each of the symposium sculptors, discussion of their creative processes and techniques, followed by question and answer period. All visiting symposium sculptors will attend so all may participate in seminar and discussions. Provisions will be made for students to observe visiting sculptors at work. Majors and nonmajors will be required to prepare a comparative analysis of the directions of the work of the sculptors. Consent of instructor is required. Zach. Meets 4:30-6:20 Wednesdays.

**Art 407. Symposium Seminar. 2 credit hours.**

Informal seminar at work site. Students expected to prepare questions and raise topics for general discussion about art and specific symposium projects. Open to Architecture and Allied Arts majors only. Consent of instructor is required. Zach. Meets 11:30-1:20 M, Tu, W, Th.

**Art 408. Symposium Workshop. (G) 2-6 credit hours.**

Students will work directly with the visiting sculptors and under general supervision of sculpture faculty. Limited to Fine Arts majors with Art 293 credit and graduate students in sculpture. Consent of instructor is required. Zach.

**Art 494. Advanced Sculpture. (G) 2-4 credit hours.**

Coordination of sculpture with related fields of architecture, landscape architecture, interior architecture, and industrial design. Consent of instructor is required. Roy. Meets 8:30-10:20 M, Tu, W, Th.

**Art 498. Terminal Creative Project. (G)**

Credit hours to be arranged. Open only to candidates for the B.F.A. degree.

**Art 509. Terminal Creative Project.**

Credit hours to be arranged.

## Weaving

**Eight-week session (June 18-August 9)****Art 256. Weaving. 2-3 credit hours.**

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 4- and 8-harness looms. Nixon. Meets 1:30-3:20 M, Tu, W, Th.

**Art 406. Special Problems. (G)**

Credit hours to be arranged.

**Art 498. Terminal Creative Project. (G)**

Credit hours to be arranged.

# College of Business Administration

Dean, Richard R. West, Ph.D.

Associate Dean, Harold K. Strom, Ph.D.

Assistant Dean, Catherine M. Jones, Ed.D.

## Accounting and Quantitative Methods

Department Head, Larry E. Richards, Ph.D., Associate Professor  
(quantitative methods).

Dale S. Harwood, Jr., D.B.A., Professor (accounting).

Boyd C. Randall, Ph.D., Assistant Professor (accounting).

James E. Reinmuth, Ph.D., Associate Professor (quantitative  
methods).

John W. Soha, M.B.A., Associate Professor (accounting).

For independent work in Research, Thesis, and Reading and  
Conference, see page 19.

Eight-week session (June 18-August 9)

### Accounting

#### Ac 221. Financial Accounting. 3 credit hours.

Description and derivation of major financial statements prepared by accountants; accounting rationale; primary emphasis placed on reports to stockholders and other investors. Introduction to other courses and a one-term terminal course in financial accounting. Special section for Honors College students. Prerequisite: sophomore standing. Soha. Meets 10:30-11:20 M, Tu, W, Th.

#### Ac 323. Managerial Accounting. 3 credit hours.

Introduction to the development, presentation, and interpretation of accounting data to aid management in planning and controlling operations. Special section for Honors College students. Prerequisite: Ac 221. Harwood. Meets 10:30-12:20 Tu, Th.

#### Ac 352. Financial Accounting Theory. 3 credit hours.

Examination of basic accounting principles and concepts underlying asset valuation and income determination. Prerequisite: Ac 222. Randall. Meets 8:30-10:20 M, W.

#### Ac 407. Seminar.

Credit hours to be arranged.

#### Ac 507. Seminar.

Credit hours to be arranged.

## Quantitative Methods

#### QM 232. Introduction to Business Statistics. 3 credit hours.

Elementary statistics as a tool for business decision-making. Introduction to probability, discrete and continuous distributions, sampling distributions, and a preview of problems of inference. Prerequisite: Mth 106 or equivalent. Reinmuth. Meets 8:30-10:20 M, W.

#### QM 333. Elementary Inference in Business Statistics. 3 credit hours.

Applications of statistical inference to business situations; sampling and its role in estimation and hypothesis testing; simple linear regression analysis and correlation. Special section for Honors College students. Prerequisite: Mth 106, QM 232 or equivalent. Richards. Meets 8:30-10:20 Tu, Th.

#### QM 407. Seminar.

Credit hours to be arranged.

#### QM 536. Applied Sampling Techniques. 3 credit hours.

Theory and application of probability sampling techniques to business problems. Topics: simple random sampling, stratified sampling, cluster sampling, systematic sampling, multistage sampling, double sampling, nonresponse problems, ratiom and regression estimators. Prerequisite: QM 333. Richards. Meets 10:30-11:20 M, Tu, W, Th.

## Finance and Business Economics

Department Head, Peter O. Dietz, Ph.D., Associate Professor  
(investment management).

Ronald Forbes, Ph.D., Associate Professor (finance).

Robert Nelson, M.B.A., Instructor (real estate).

Michael O'Neill, M.B.A., Teaching Fellow (finance).

Arthur Schwartz, M.B.A., Teaching Fellow (finance).

For independent work in Research, Thesis, and Reading and  
Conference, see page 19.

Eight-week session (June 18-August 9)

#### FBE 322. Financial Management. 3 credit hours.

Policies and practices required to plan and control sources and uses of a firm's funds; emphasis on formulation, implementation, and modification of corporate financial policies; management of liquid assets; selection among alternative investment opportunities; funds acquisition; dividend policies; determination of the optimal debt-equity mix. Economic, accounting, and statistical tools and concepts studied and related to decision-making process. Prerequisite: Ac 323. Forbes. Meets 9:30-10:20 M, Tu, W, Th.

**FBE 341. Introduction to Real Estate. 3 credit hours.**

Real-estate principles and practices, special emphasis on urban land-use analysis; nature of real property and property rights; organization of real-estate industry and real-estate markets; urban spatial structure and location analysis; land-use competition; management of real properties; subdivision and land development; real-estate financing; impact of government policies upon real-estate industry. Nelson. Meets 1:30-3:20 M, W.

**FBE 363. Introduction to Investments. 3 credit hours.**

Study of economic and investment environment as it relates to security investment decisions; appraisal of investment characteristics; introductory investment analysis of various stocks and bonds. Determination of investment objectives and execution of portfolio policies for various types of individual and institutional investors. Prerequisite: FBE 322, or 15 credit hours of economics. Schwartz. Meets 10:30-11:20 M, Tu, W, Th.

**FBE 407. Seminar.**

Credit hours to be arranged.

**FBE 407. Seminar: Personal Finance. 3 credit hours.**

Personal finance for achieving financial objectives. Analysis of alternative savings outlets, including insurance, pension funds, deposits at commercial banks, deposits at thrift institutions, investment in real estate, stock and mutual fund ownership. Analysis of costs and terms of alternative sources of credit, including charge cards, consumer credit, bank loans, mortgages, and finance company loans. Not open to upper-division majors in business. O'Neill. Meets 9:30-10:20 M, Tu, W, Th.

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

Objectives, tools, methods, and problems of financial management from viewpoint of the firm; special problems, including funds acquisition, dividend policy, capital acquisitions, taxes, mergers, forecasting, and investment banking. Prerequisite: at least one accounting course. Forbes. Meets 9:30 M, Tu, W, Th.

**FBE 580. Management of Financial Institutions. 3 credit hours.**

Analysis of management policies of financial institutions, including liquidity management, liability management, asset management, and capital management; description of the legal, economic, and regulatory environment and implications for management; examination of changing trends in financial markets. Prerequisite: FBE 514 or equivalent. Forbes. Meets 1:30-3:20 Tu, Th.

Eight-week session (June 18-August 9)

## Marketing

**MKT 311. Marketing Systems and Demand Analysis. 3 credit hours.**

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. Prerequisite: completion of conceptual tools core or consent of instructor. Rich. Meets 1:30-3:20 Tu, Th.

**MKT 407. Seminar.**

Credit hours to be arranged.

**MKT 460. Marketing Research. 3 credit hours.**

Influence of marketing research on the decision-making process; effect on the executive who must use it; uses and misuses. Emphasis on cost versus value of information for decision-making. Problem formulation, exploratory research, research design, basic observational and sampling requirements, data analysis, interpretation, and reporting. Research projects conducted on actual marketing problems. Prerequisite: QM 333, MKT 311, or consent of instructor. Albaun. Meets 8:30-10:20 Tu, Th.

## Transportation

**TRN 349. Transportation and Distribution Systems. 3 credit hours.**

Principles and practices of transportation and its role in the distribution process. The physical transportation plant of the United States and its performance; carrier responsibilities, services, and cooperation; economic and legal bases of rates, freight classification and tariffs; relationships between transportation and the location of economic activity; public policies regarding regulation, unification, labor-management relations, promotion, and similar transportation problems. Titsworth. Meets 11:30-1:20 Tu, Th.

**TRN 407. Seminar.**

Credit hours to be arranged.

## Business Environment

**BE 226. Introduction to Law. 3 credit hours.**

Forms and functions of the law in society. Examination of the American legal environment: structure of the courts; trial and appellate procedure; origin of rules; methods of legal reasoning; roles of trial participants. Emphasis on the law of contracts, including appropriate references to the Uniform Commercial Code. Prerequisite: sophomore standing. Ross. Meets 8:30-10:20 Tu, Th.

**BE 407. Seminar.**

Credit hours to be arranged.

## Management

Department Head, Kenneth D. Ramsing, Ph.D., Associate Professor (management).

James S. Blandin, M.B.A., Teaching Fellow (management).

# Marketing, Transportation, and Business Environment

Department Head, Donald S. Tull, Ph.D., Professor (marketing research).

Gerald S. Albaun, Ph.D., Professor (marketing research and analysis; international marketing).

Stuart U. Rich, D.B.A., Professor (industrial marketing).

Lawrence W. Ross, Jr., J.D., Associate Professor (legal philosophy).

John Titsworth, M.B.A., Teaching Fellow (transportation).

For independent work in Research, Thesis, and Reading and Conference, see page 19.

Alan L. Eliason, Ph.D., Assistant Professor (operations management).

James L. Koch, Ph.D., Assistant Professor (human resources management).

Leslie L. D. Shaffer, Ph.D., Associate Professor (innovation in business).

Ralph Stair, M.B.A., Teaching Fellow (management).

John W. Thompson, M.B.A., Teaching Fellow (management).

For independent work in Research, Thesis, and Reading and Conference, see page 19.

### Eight-week session (June 18-August 9)

#### **MGT 321. Interpersonal Relations. 3 credit hours.**

Design of organizations and their impact on work groups and individual behavior; interpersonal relations, communication, leadership, organizational structure, and individual motivation. Stair. Meets 1:30-3:20 M, W.

#### **MGT 329. Operations and Systems. 3 credit hours.**

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 illustrate selected methods, techniques, and management tools. Eliason. Meets 8:30-10:20 Tu, Th.

#### **MGT 407, 507. Seminar.**

Credit hours to be arranged.

#### **MGT 407. Seminar: Research and Applied Innovation. 3 credit hours.**

Experience in assisting individuals with creative ideas. Innovative study in the Experimental Center, in conjunction with the Oregon Inventors Council, in analyzing potential new products and the problems involved in order to accomplish some degree of market success. Shaffer. Meets 10:30-12:20 Tu, Th.

#### **MGT 407. Seminar: Organization and Management. 3 credit hours.**

Survey of the functions of a manager which include planning, organizing, staffing, direction, communicating, and control. Organizational practices, which are tied to effective management. Systems analysis and the management of systems. Prerequisite: senior standing. Blandin. Meets 10:30-12:20 M, W.

#### **MGT 412. Human Resources Management. 3 credit hours.**

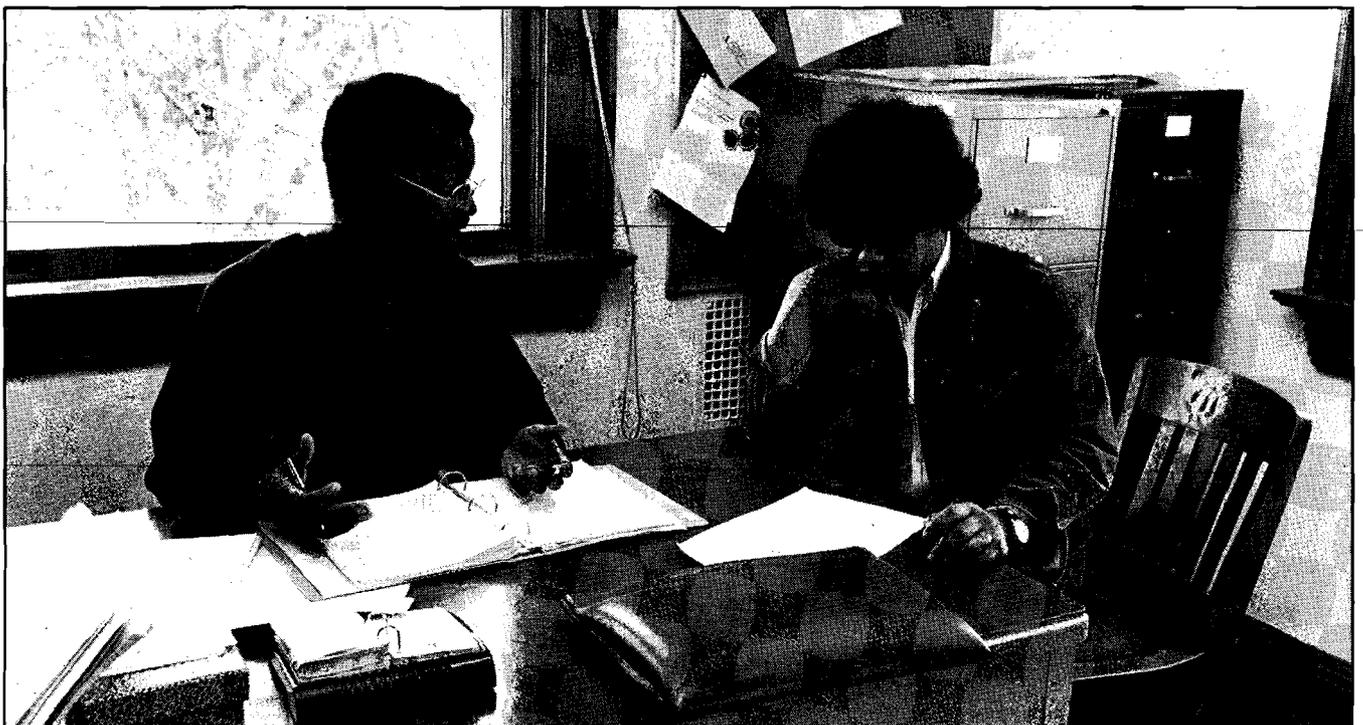
Personnel management in the modern business organization; personnel policies and practices conducive to good relations with employees; personnel problems of small organizations. Prerequisite: MGT 321. Koch. Meets 8:30-10:20 M, W.

#### **MGT 416. Organizational Behavior. 3 credit hours.**

An analysis of human performance as it affects, and is affected by the organization. Examination of research studies dealing with the effect of organization structure and policies on productivity, motivation and morale, group behavior, communication, conflict, change, innovation, and decision making. Prerequisite: MGT 321 and senior standing. Thompson. Meets 1:30-3:20 M, W.

#### **MGT 511. Industrial Administration. (p) 3 credit hours.**

Concepts and techniques basic to sound industrial administration; scientific management, technological change, organization structure and dynamics, human factors, decision-making, and management science. Case studies. Ramsing. Meets 8:30-10:20 Tu, Th.



# Wallace School of Community Service and Public Affairs

Dean, James G. Kelly, Ph.D., Professor (community mental health).

Rosemary Boss, B.S., Visiting Instructor (public relations).

Richard F. Crawford, M.A., Visiting Assistant Professor (alternative and rural communities, job structure, and client advocacy).

Lynn E. Craycroft, M.A., Visiting Assistant Professor (preventative mental health services, and crisis intervention).

Robin Derringer, B.S., Visiting Instructor (community relations and careers for women).

Shanae Ellsworth, B.S., Visiting Instructor (program evaluation).

Effie L. Fairchild, M.S., Assistant Professor (leisure services and community education).

Richard A. Fehnel, M.P.A., Assistant Professor (organizational change, field learning, public policy analysis).

Sally Fullerton, Ph.D., Assistant Professor (group work).

Mary R. Harvey, Ph.D., Assistant Professor (child development and social change).

Theodore B. Johannis, Jr., Ph.D., Professor (marriage and family).

Mary F. Keenan, B.S., B.Arch., Visiting Instructor (environmental quality and day care design and administration).

John Kerrigan, Ph.D., Associate Professor (public finance and budgeting, and state and local government).

Paul Koch, B.S., Adjunct Instructor (community development and leisure programming).

Marc Levy, M.S.W., Visiting Assistant Professor (video, and community assessment and planning).

Bruce Longstroth, M.S.W., Assistant Professor (marriage and family, and children's services).

Marquis L. Marsh, Adjunct Instructor (media and communication).

James Marshall, M.B.A., Assistant Professor (systems analysis, evaluation).

James Mattis, J.D., Associate Professor (organizational decision-making).

D. Lynn McDonald, M.Ed., Assistant Professor (program evaluation and development).

Bruce McKinlay, Ph.D., Associate Professor (employment information system, and manpower economics).

Myra Miller, S.W. Diploma, Assistant Professor (volunteerism).

Roger Mills, Ph.D., Visiting Associate Professor (community mental health, crisis intervention).

Patrick Morales, B.S., Adjunct Instructor (affirmative action).

Anita Runyan, Ph.D., Assistant Professor (field instruction).

Suzen Sherer, B.A., Visiting Instructor (program evaluation).

Norman Sundberg, Ph.D., Professor (behavioral ecology, community education).

James A. Swan, Ph.D., Assistant Professor (environment and leisure).

Clarence E. Thurber, Ph.D., Professor (comparative administration).

John Warden, M.S.T., Instructor (community education).

During the 1974 Summer Session, the Wallace School of Community Service and Public Affairs will concentrate on offering courses that make it possible for students, faculty, citizens, and professionals in the community to participate in joint programs and projects.

For independent work in Research, Thesis, and Reading and Conference, see page 19.

## Eleven-week session (June 18-August 30)

### CSPA 230. Field Observation. 2 credit hours.

An introduction to human service agencies in the areas of community services, public affairs, and leisure services. The student visits several agencies during the term to gain first-hand experience with a variety of agency settings and career patterns. For "New Careerists in Mental Health" only, or by consent of instructor. Staff. Offered in conjunction with CSPA 323, 324. Time to be arranged.

### CSPA 323. Strategies of Intervention (I). 5 credit hours.

CSPA 323 and 324 are combined to form an integrated learning experience for "New Careerists in Mental Health" and a few other CSPA majors with consent. Broad introduction to analysis and intervention in behavior at the individual, group, organizational, and community levels. Students will be asked to view themselves as agents of change and will analyze the forces and strategies of change, will gain experience in a variety of intervention strategies, and will focus upon related ethical issues. Consent of instructor is required. Levy and staff. Offered in conjunction with CSPA 230. Meets 8:00-5:00 M-F.

### CSPA 406. Special Problems. 3-9 credit hours.

Time and topic to be arranged.

### CSPA 409. Supervised Field Study. (G) 6-12 credit hours.

Participation in activities of community service and public affairs agencies or institutions either on part-time or full-time basis during summer session. May include work with individuals, groups, or the community either in community services or administrative functions. Request for field placements must be received prior to May 1, 1974. Students are also required to enroll in CSPA 411 or 412 Theory-Practice Integration. Staff. Times to be arranged.

### CSPA 411, 412. Theory-Practice Integration Seminar. 3 credit hours.

Companion courses to CSPA 409 Supervised Field Study. Provides an introduction to the organization, character, and conduct of community and public-agency programs, and a link between

theoretical concepts and participation in Supervised Field Study. CSPA 411 is for first field placement; CSPA 412 is for subsequent placement. Restricted to CSPA majors. Consent of instructor is required. Staff. Times to be arranged.

#### **Eight-week session (June 18-August 9)**

**CSPA 324. Strategies of Intervention (II). 5 credit hours.**  
For description see CSPA 323.

**CSPA 401. Research in Family Studies. 1-3 credit hours.**  
Johannis. Times to be arranged.

**CSPA 405. Readings in Family Studies. (G) 3 credit hours.**  
Longstroth, Johannis. Times to be arranged.

**CSPA 406. Special Problems. (G) 3-9 credit hours.**  
Times and topic to be arranged.

**CSPA 406. Special Problems in Family Studies. (G) 3-6 credit hours.**

Johannis or Longstroth. Times to be arranged.

**CSPA 406. Special Problems: Student Projects in Leisure Services. (G) 3-9 credit hours.**

June 18-August 9. Restricted to persons enrolled in the CSPA Workshop: New Directions in Leisure. Offers opportunity for non-CSPA majors employed in summer leisure programs to integrate theory with practice. Attention will be focused upon problem-solving in relationship to leisure programs. Koch, Staff. Times to be arranged.

**CSPA 406. Special Problems: Student Projects in Social Service and Public Affairs. (G) 6-9 credit hours.**

June 18-August 9. Offers opportunity for non-CSPA majors to work in social service and public affairs settings for the purposes of: direct acquaintance with and participation in an administrative or social service program; knowledge of human needs and community resources; greater understanding of themselves and their capabilities for a career in helping others; gaining experience relevant to further academic involvement. Persons wanting to participate in this program must make application in Hendricks Hall, Room 119 by May 15. Fehnel, Staff. Times to be arranged.

**CSPA 407. CSPA Program Evaluation. (G) 3 credit hours.**  
Offers opportunity to evaluate CSPA educational programs to determine if objectives have been achieved. Theories, models, and concepts are illustrated, demonstrated, and practiced. McDonald. Meets 10:30-11:20 Tu, Th, plus individual and group sessions.

#### **Additional courses**

**CSPA 408. Workshop: New Dimensions in Leisure. (G) 3-5 credit hours.**

June 10-August 9. A summer workshop for persons engaging in employment related to leisure programs. The workshop will begin with an intensive one-week program from June 10-15, 8:30-4:50 M-F, which will include encounters with persons working in new areas of leisure. The workshop will continue throughout the eight-week summer session with subsequent workshops to be arranged in conjunction with the participant's summer employment. Staff will include supervisors in the summer employment programs: Swan, Koch, others.

**CSPA 407. Seminar: Combating Prejudice Based on Race, Sex, Age, and Social Class. (G) 2 credit hours.**

June 18-July 12. Presentation of history of discrimination with emphasis upon case studies successful in combating discrimination in the United States. Hill. Meets 11:30-12:20 M-F.

**CSPA 407. Seminar: Human Resource Planning and Evaluation. (G) 3 credit hours.**

June 21-August 3. (Weeks 1, 3, 5, & 7.) This new course is offered in a format to accommodate professional persons in human-resource employment as well as regularly enrolled summer session students. Focus will be upon planning and evaluation for effective delivery of services in human-resource fields. Fehnel. Meets 8:30 a.m.-8:50 p.m. Friday, and 8:30-12:50 Saturday.

**CSPA 407. Seminar: Organizational Mechanisms for Land-Use Decision-Making. (G) 2 credit hours.**

August 19-23. Designed for local-government employees in decision-making positions regarding land use, and for volunteer advisory boards making similar decisions. Focus upon models and methods of making effective land-use decisions. Mattis and others. Meets 8:30-4:50 M, Tu, W, Th.

**CSPA 408. Workshop: Child Development Specialists. (G) 2 credit hours.**

July 8-12. A forum focusing upon the legislative history and development of this new profession. Information will be presented relating to entrance requirements to this profession, to responsibilities of the profession and implications for the future. Meets 1:30-4:50 M-F, additional hours to be arranged.

**CSPA 408. Workshop: Implementing Affirmative Action. (G) 2 credit hours.**

July 15-19. A workshop focusing upon the historical background of affirmative action, upon current implications, and methods for implementing the goals of affirmative action from both management perspectives and perspectives of individual citizens wishing to gain positions through affirmative action. Designed for employers, citizens, students, and professionals. Meets 1:30-4:50 M-F, additional hours to be arranged.

**CSPA 408. Workshop: Community Service and Public Affairs Careers for Women. (G) 2 credit hours.**

July 22-26. Current and projected employment and professional career and volunteer opportunities for women. Procedures for entering community service and public affairs careers for women will be discussed. Derringer, others. Meets 1:30-4:50 M-F, additional hours to be arranged.

**CSPA 408. Workshop: New Dimensions in Volunteerism. (G) 2 credit hours.**

August 1-4. An introduction to an expanding area of human service for those who wish to explore career opportunities in volunteerism and current directions for those already volunteering. Emphasis on practical aspects of developing and maintaining effective volunteer programs. Miller, others. Meets 8:30-5:20 Th, F, Sat, Sun.

**CSPA 408. Workshop: Child Welfare Conference. (G) 1-2 credit hours.**

June 9-12. Theme: Voices of the Future. Offered in conjunction with the 1974 Northwest Regional Conference, Child Welfare League of America (CWLA). A forum focusing upon methods, techniques, services, needs, and professional practices in the field of child welfare. The conference is sponsored by the School of CSPA and the Oregon Department of Human Resources, Children's Services Division. Harvey, Staff. Meets 12:30-8:50 Sun, 8:30 a.m.-8:50 p.m. M, Tu, W.

**CSPA 407. Seminar: Catalysts for Cooperation in Community Education. (G) 2 credit hours.**

June 13-15. Intensive course for all disciplines in human services and education; jointly sponsored by the School of Community Service and Public Affairs, the Northwest Regional Center for

Community Education, the College of Education, and the College of Health, Physical Education and Recreation. Emphasis on use of the community school as a resource center for all disciplines, agencies, and programs in the community. Concepts and skills in community education, problem-solving at neighborhood level, development of cooperative processes between the service disciplines. Materials and other resources from national, regional, and local levels on development, implementation, and future prospects for the community school. Interested persons are requested to pre-register by mail or in person with Professor Norman Sundberg, School of CSPA, 119 Hendricks Hall, by May 27. Sundberg, Fairchild, Warden, others. Meets 8:30-4:20 Th, F, Sat, additional times to be arranged.

**CSPA 408. Workshop: Right and Responsibility in Advocacy. (G) 2 credit hours.**

June 18-21. A forum focusing upon the meaning of client advocacy, method and implications for implementation; professional responsibilities and ethical issues related to advocacy. Historical perspectives and current issues in client advocacy will be provided by clients and client advocates. Daniel. Meets 1:30-5:50 Tu, W, Th, F, plus individual and group sessions.

**CSPA 408. Workshop: Criminal Justice Roles in Crisis Intervention. 2 credit hours.**

June 24-27. A one week workshop focusing upon current problems experienced by criminal justice personnel; methods for police roles in crisis situations. Craycroft, Mills. Meets 8:50-5:30 M, Tu, W, Th.

**CSPA 408. Workshop: Video Communication and Community Development Techniques. (G) 1-2 credit hours.**

June 30-July 3. Current information about new uses for television. Offers opportunities for students and community professionals and citizens to share information and to learn together. Levy, Marsh, others. Meets 12:30-8:50 Sun, 8:30 a.m.-8:50 p.m. M, Tu, 8:30-3:50 W.

**CSPA 450. Public Financial Administration. (G) 3 credit hours.**

June 28-August 10. (Weeks 2, 4, 6, & 8.) A regularly offered CSPA course presented in a format to accommodate professional persons in public employment. Regularly enrolled summer session students are also encouraged to enroll in this course. Focus will be upon budgetary decision and control processes in a variety of public organizations; their relationship to allocation of public resources to accomplish public purposes; problems of planning, budgeting, controlling, and evaluating governmental activities. Kerrigan, others. Meets 8:30 a.m.-8:50 p.m. F, 8:50-12:50 Sat.

**CSPA 408. Workshop: Communications. 1-3 credit hours.**

July 1-August 9. Opportunity to gain knowledge, skills, and experience in news gathering, composing, designing format, and developing distribution procedures for a CSPA newsletter. Students need not be CSPA majors. Boss. Meets 8:30-9:50 M, Tu, W, Th.

**CSPA 407. Seminar: Grant and Proposal Writing. (G) 3 credit hours.**

July 15-August 9. Basic course in writing grant applications for submission to any of the major funding sources. Step-by-step process of proposal writing and an understanding of: how the funding process works; where funding is most likely to be found; how to approach funding agencies, preparation of grant proposals; and submission and follow-up processes. Harvey. Meets 11:30-1:20 M, Tu, W, Th.

**CSPA 408. Workshop: Developing Awareness and Solutions for Environmental Problems. (G) 2 credit hours.**

August 12-16. Identifying environmental problems in the community, methods to effect changes to allow response to environmental problems, and methods of developing awareness to environmental problems through community education. Keenan, Thurston. Meets 1:30-4:50 M-F.



# College of Education

Dean, Robert D. Gilberts, Ph.D.

Associate Dean, Robert H. Mattson, D.Ed.

Associate Dean, Clarence W. Schminke, Ph.D.

Assistant Dean, Paul E. Kambly, Ph.D.

## Counseling

Department Head, John W. Loughary, Ph.D., Professor (counseling, career systems planning).

Martin H. Acker, Ph.D., Professor (human sexuality, corrections).

James R. Booth, M.S., Senior Instructor (rehabilitation).

Jacqueline S. Brockway, M.S., Senior Instructor (marriage).

Gordon A. Dudley, Ed.D., Associate Professor (counseling procedures).

Susan K. Gilmore, Ph.D., Associate Professor (counseling procedures).

Kenneth D. Hills, Ph.D., Adjunct Professor (community college).

Harold W. James, Ph.D., Assistant Professor (rehabilitation).

William Kirtner, Ph.D., Associate Professor and Counselor, University Counseling Center (psychotherapy).

Gerald D. Kranzler, Ed.D., Professor (child guidance).

Raymond N. Lowe, Ed.D., Professor (family counseling).

Theresa M. Ripley, Ph.D., Assistant Professor (group procedures).

Ronald J. Rousseve, Ph.D., Professor (values in guidance, black Americans).

Evelyn Rowe, B.A., Psychometrist (appraisal).

For independent work in Research, Thesis, and Reading and Conference, see page 19.

### Eight-week session (June 18-August 9)

#### Coun 407, 507. Seminar. 1-3 credit hours.

Consent of instructor is required. Staff.

#### Coun 407. Seminar: Communications Laboratory. (G) 3 credit hours.

Prepracticum training: initial stages of a counseling relationship; semi-structured communication exercises; direct personal response and small group discussion. Prerequisite for all departmental practica offerings. Brockway. Meets 8:30-10:20 M, W.

#### Coun 407. Seminar: Appraisal in Counseling (I). (G) 3 credit hours.

Introduction to the interpretations and use of educational and

psychological tests in counseling and guidance settings. Kranzler. Meets 7:30-8:20 M, Tu, W, Th.

#### Coun 407. Seminar: Counseling and Sexuality. (G) 3 credit hours.

Considers the effective means of responding to and dealing with various aspects of sexuality in counseling. Objective is to help counselors learn to be more effective and comfortable dealing with sexuality concerns in professional relationships. Consent of instructor is required. Dudley. Meets 8:30-10:20 M, W.

#### Coun 407. Seminar: Patterns of Child Behavior. (G) 3 credit hours.

For students who have completed either SpEd 463 The Maladjusted Child or Coun 463 Dreikursian Principles of Child Guidance and want to examine more critically the point of view presented. Small discussion groups in specific readings as well as discussion of family counseling sessions attended by students. Consent of instructor is required. Lowe. Meets 1:30-5:20 Tu.

#### Coun 407. Seminar: Counseling in Marriage Relationships. (G) 3 credit hours.

For students who plan to work with an adult population in agencies, universities, or colleges, or community clinics. The dynamics of the marriage relationship, the sources of marital conflict and techniques for dealing with these will be covered. Role-playing of counseling strategies as well as observation of counseling will be included. Brockway. Meets 8:30-10:20 Tu, Th.

#### Coun 407. Seminar: Counseling Procedures. (G) 3 credit hours.

Strategies for accomplishing counseling purposes of choice, change, and confusion reduction. Demonstrations, discussions of individual counseling by instructor. Gilmore. Meets 10:30-12:20 M, W.

NOTE: All 409, 509 Practicums require 10-12 hours of time per week for 3 units of credit. Field and laboratory activities include counseling experience, observations, daily field visitations, and weekly staffings.

#### Coun 409. Practicum. (G) 3-12 credit hours.

Consent of instructor is required. Staff.

#### Coun 409. Practicum: Counseling. (G) 3 credit hours.

Observation, individual counseling, staffing. Consent of instructor is required. Dudley. Meetings to be arranged.

#### Coun 409. Practicum: Procedures in Family Counseling. (G) 3 credit hours.

Students interested in pursuing the professional aspects of family counseling gain understanding and skills in counseling and administration in the Community Parent-Teacher Education Center. Consent of instructor is required. Lowe. Meets 1:30-5:20 Tu.

#### Coun 409. Practicum: Family Counseling. (G) 3 credit hours.

Designed to give experience in counseling parents and children within the scope and purposes of the Community Parent-Teacher Education Center. Consent of instructor is required. Lowe. Meets 1:30-5:20 Tu.

**Coun 409. Practicum: School Counseling. (G) 3 credit hours.**  
Open only to students in programs leading to specialization in school counseling. Observation, staffing of cases, counseling, case writing, testing. Consent of instructor is required. Brockway. Meetings to be arranged.

**Coun 409. Practicum: Community College Counseling. (G) 3-6 credit hours.**

Observation, co-counseling, individual counseling. Consent of instructor is required. Hills. Meetings to be arranged.

**Coun 409. Practicum: College Counseling. (G) 3 credit hours.**

Open only to students in programs leading to specialization in college counseling. Observation, staffing of cases, counseling, case writing, testing. Consent of instructor is required. Kirtner. Meetings to be arranged.

**Coun 409. Practicum: Rehabilitation Field Agencies. (G) 3-12 credit hours.**

Supervised counseling experience in community rehabilitation agencies and facilities. Open to rehabilitation majors only. Consent of instructor is required. James. Meetings to be arranged.

**Coun 463. Dreikursian Principles of Child Guidance. (G) 3 credit hours.**

The discovery and treatment of emotionally and socially maladjusted children. The home, the school, and the community in relation to children's mental health. Opportunities for observing family counseling. Principles based upon ideas contributed by Alfred Adler and Rudolf Dreikurs. Lowe. Meets 1:30-5:20 Tu.

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

A general overview of the guidance function in a free society; principles and general procedures attendant to guidance and counseling services in American schools. Rousseve. Meets 10:30-12:20 Tu, Th.

**Coun 488. Educational-Vocational Guidance. (G) 3 credit hours.**

Designed to broaden theoretical understanding of career development theory and to encourage application of theory to the practice of vocational and educational guidance within diverse settings (schools, clinics, employment centers). Loughary. Meets 8:30-10:20 Tu, Th.

**Coun 502. Supervised College Teaching. 3-6 credit hours.**

Consent of instructor is required. Staff.

**Coun 507. Seminar: Values in Counseling. 3 credit hours.**

Systematic exploration of values as a dimension in the counseling process and as a component in the search for identity and meaning during an age of moral conflict, anxiety, and social renewal. (The analysis will proceed from the premise that because counselors are a potential role model, they should become consciously engaged with the philosophy of value as a vehicle for further personal and professional fulfillment.) Rousseve. Meets 10:30-12:20 M, W.

**Coun 507. Seminar: Appraisal in Counseling (II). 3 credit hours.**

Various group and individual tests commonly used in counseling settings; other methods of appraisal of the individual. Prerequisite: Appraisal in Counseling (I). Rowe. Meets 7:30-8:20 M, Tu, W, Th.

**Coun 508. Workshop: Role Playing. 3 credit hours.**

Designed to assist students in gaining skills in working with children and youth through the use of spontaneous dramatization.

Techniques based upon principles discussed in SpEd 463 The Maladjusted Child and Coun 463 Dreikursian Principles of Child Guidance. Consent of instructor is required. Lowe. Meets 1:30-5:20 Tu.

**Coun 509. Practicum. 3-12 credit hours.**

Consent of instructor is required. Staff.

**Coun 509. Practicum: Counseling. 3 credit hours.**

Observation, individual counseling, staffing. Consent of instructor is required. Dudley. Meetings to be arranged.

**Coun 509. Practicum: School Counseling. 3 credit hours.**

Open only to students in programs leading to specialization in school counseling. Same as Coun 409 except that the student is expected to work with less immediate supervision. Consent of instructor is required. Brockway. Meetings to be arranged.

**Coun 509. Practicum: Community College Counseling. 3-6 credit hours.**

Observation, co-counseling, individual counseling. Consent of instructor is required. Hills. Meetings to be arranged.

**Coun 509. Practicum: College Counseling. 3 credit hours.**

Same as Coun 409 except that the student is expected to work with less immediate supervision. Prerequisite: Coun 409 Practicum: College Counseling; consent of instructor is required. Kirtner. Meetings to be arranged.

**Coun 509. Practicum: Rehabilitation Field Agencies. 3-12 credit hours.**

Extensive experiences in a rehabilitation agency. Limited to students enrolled in the rehabilitation-counselor program. Prerequisite: Coun 409 Practicum: Rehabilitation Field Agencies; consent of instructor is required. James. Meetings to be arranged.

### Additional courses

**Coun 407. Seminar: Rational Emotive Counseling. (G) 2 credit hours.**

June 18-June 28. Short lectures, discussion, and role playing related to the application of Albert Ellis's Rational-Emotive therapy theory to counseling with normal adults and young people. Kranzler. Meets 3:30-5:20 M-F.

**Coun 407. Seminar: Mental Health and Disability. (G) 2 credit hours.**

July 1-July 12. An examination of the principles of mental health and, through experiential means, how society enhances or denies those principles to a special population. Booth. Meets 1:30-3:20 M-F.

**Coun 407. Seminar: Cultural Aspects of Counseling. (G) 2 credit hours.**

July 29-August 9. A brief involvement with members of ethnic (cultural) minorities leading to an increased awareness of the differences between a particular minority group and the predominant culture. Examination of how those differences impinge upon counseling styles, positions, etc. Booth. Meets 3:30-5:20 M-F.

**Coun 407. Seminar: Group Procedures. (G) 2 credit hours.**

July 15-July 26. Designed for those with little or no group guidance experience. Emphasis on utilization of group guidance techniques for educational, vocational, and social development. Skills will be developed in the areas of understanding group processes, planning and evaluating group sessions, and using various leader interventions. Ripley. Meets 3:30-5:20 M-F.

**Coun 407. Seminar: Community College Counseling. (G) 3 credit hours.**

June 18-July 12. Historical development and organizational structure on local, state, and national levels of the community college movement. The community college setting, philosophy, and structure; the variety of students and their unique concerns; the philosophy and emphasis of the counseling program at the community college. Hills. Meets 10:30-12:20 Tu, Th, plus 20 hours of observation.

**Coun 407. Seminar: Classroom Guidance Techniques. (G) 2 credit hours.**

July 1-July 12. Intended primarily for elementary school counselors and teachers. Problem-solving approach to prevention and modification of disruptive behavior. Kranzler. Meets 1:30-3:20 M-F.

**Coun 407. Seminar: Counseling and Alienated. (G) 3 credit hours.**

July 15-August 9. Psychological examination of the nature of alienation in modern American life; particular emphasis upon strategies and techniques of intervention in the individual case. Dudley. Meets 1:30-3:20 M, Tu, W, Th.

**Coun 508. Workshop: Drugs: Addiction and Experiences. 2 credit hours.**

June 18-June 28. Survey of problems relating to drugs. Special emphasis on heroin addiction, alcohol, and pills, exploring the causes of addiction, symptoms, properties of drugs, and treatment directions. James. Meets 1:30-3:20 M-F.

**Coun 508. Workshop: Changing Roles of Adult Men and Women. 2 credit hours.**

July 1-July 12. Vocational change and personality change in mid-life as they affect changing roles. Meets 3:30-5:20 M-F.

**Coun 508. Workshop: Democratic Practices in the Classroom. 2 credit hours.**

July 8-July 12. Intensive experience in participating in designing and implementing a course of action within democratic concepts. Provides teachers and prospective teachers with first-hand experiences in democratic planning and implementation which they can immediately apply in the classroom in the fall. Principles and theoretical notions formulated to support the democratic practice. Limited to thirty students. Consent of instructor is required. Lowe. Meets 1:30-5:20 M-F.

**Coun 508. Workshop: Adlerian Family Counseling. 2 credit hours.**

July 22-July 26. An intensive week's workshop designed to acquaint students with the practical aspects of Adlerian family counseling. First hour each session, theoretical and principle formulations; remainder of each session is spent in actual family counseling. Lowe. Meets 1:30-5:20 M-F.

**Coun 508. Workshop: Counseling in Crisis Situations. 2 credit hours.**

July 15-July 26. Intensive examination of some constructive counselor interactions with clients experiencing extreme crisis (e.g., drug misuse, bereavement, divorce, court correction). Demonstrations, simulation, and discussion. Meets 1:30-3:20 M-F.

**Coun 508. Workshop: Counseling for Decision-Making. 2 credit hours.**

July 15-July 26. For secondary-school counselors. Students learn steps in effective problem-solving, with particular reference to educational-vocational uncertainty. Brockway. Meets 3:30-5:20 M-F.

**Coun 508. Workshop: Developing Counseling Programs and Materials. 2 credit hours.**

July 1-July 12. Considers ideas and examples regarding specific materials and program components for school guidance programs. As a result of finishing the workshop, counselors should have developed either several specific materials or program plans or both, and learned several procedures for developing them. Loughary. Meets 1:30-3:20 M-F.

**Coun 508. Workshop: Career Change. 2 credit hours.**

Weekends of June 22-23 and June 29-30. The workshop includes three basic kinds of learning activities. First, a series of structured exercises are used to help participants develop and review information about their own interests, abilities and career patterns to date. Second, information regarding various aspects of career change is presented and discussed. Third, a particular career decision and planning method is presented and practiced. Ripley. Meets 9:00-3:00 Sat, Sun.

**Coun 508. Workshop: Sexual Aspects of Disability. 2 credit hours.**

July 1-July 12. Nonsexual physical disabilities often have a direct impact on an individual's sexual behavior specifically and sexuality in general. Workshop identifies several aspects of the issue. Focus on professional information and counseling procedures for helping clients resolve sexual aspects of physical disabilities. James. Meets 3:30-5:20 M-F.

**Coun 508. Workshop: Functional Job Task Analysis. 2 credit hours.**

July 29-August 9. An orientation to the concept of functional job analysis, a technology for assessing the manpower needs of work systems. Student will learn (1) a conceptual system for defining dimensions of work activity, (2) an observational method for looking at worker activity, and (3) a method of analysis to evaluate the design of work and its performance. James. Meets 1:30-3:20 M-F.

## Curriculum and Instruction

Department Head, Norbert Maertens, Ph.D., Associate Professor (mathematics education, elementary education).

Keith A. Acheson, Ed.D., Associate Professor (secondary education, educational research and development).

Roger Berg, B.S., Clinical Professor (intern teacher education).

Judy Coffey, B.S., Teaching Fellow (counseling, disadvantaged youth education).

Ann Davis, M.A., Teaching Fellow (elementary education).

Edna P. DeHaven, Ph.D., Assistant Professor (reading education, elementary education).

Garry Ferrington, M.S., Instructor (educational media).

Maryann Haddock, M.A., Teaching Fellow (reading education, elementary education).

Ernest Flores, Ph.D., Assistant Professor (disadvantaged youth education).

William H. Harris, Ed.D., Associate Professor (inservice programs, curriculum innovations).

Arthur Hearn, Ed.D., Professor (secondary school administration).

Karl Hesse, Ph.D., Assistant Professor (secondary reading education).

Ray Hull, Ed.D., Assistant Professor (science education, secondary education).

Edna Kehl, M.A., Clinical Professor (intern teacher education).

Nancy Krenning, B.A., Teaching Fellow (early childhood education).

William E. Lamon, Ph.D., Associate Professor (mathematics education).

Richard LeFrancis, M.A., Clinical Professor (intern teacher education).

Susan Miller, M.Ed., Instructor (instructional strategies).

William E. Moore, Ph.D., Assistant Professor (junior and senior high school administration).

Ann Murphy, M.A., Teaching Fellow (elementary education).

Vernice T. Nye, M.A., Associate Professor (social studies education, elementary education, early childhood education).

Roy Poole, Ph.D., Assistant Professor (disadvantaged youth education).

David Santellanes, Ph.D., Assistant Professor (community education).

Oscar Schaaf, Ph.D., Professor (mathematics education, secondary education).

John E. Suttle, Ed.D., Professor (supervision, curriculum development).

Robert Sylwester, Ed.D., Professor (science education, elementary education).

Calvin Zigler, Ed.D., Clinical Professor (intern teacher education).

For independent work in Research, Thesis, and Reading and Conference, see page 19.

### Eleven-week session (June 18-August 30)

#### CI 407, 507. Seminar.

Credit hours to be arranged.

#### CI 409, 509. Practicum.

Credit hours to be arranged.

#### CI 415. Student Teaching in Elementary School. 3-15 credit hours.

Hull. Meetings to be arranged.

#### CI 417. Student Teaching in Senior High School. 3-15 credit hours.

Hull. Meetings to be arranged.

#### CI 509. Practicum: Intern Teaching. 1-9 credit hours.

Hull. Meetings to be arranged.

### Eight-week session (June 18-August 9)

#### CI 199. Special Studies: Study Skills.

Credit hours to be arranged. Three courses: (1) Language Improvement; (2) Specialized Reading; (3) Library Skills. Independent study and field work. Consent of instructor is required. Cawthorne. Meetings to be arranged.

#### CI 407. Seminar: Tutorial. 1-4 credit hours.

Independent study and field work. Consent of instructor is required. Cawthorne. Meetings to be arranged.

NOTE: Student-initiated and student-run, ESCAPE is an accredited practicum which places student volunteers as teaching aides, tutors, and counselors in public and private local schools, day-care centers, nursing homes, and other educational agencies throughout the local area.

#### CI 407. Seminar: Tutoring (I): ESCAPE. (G) 1 credit hour.

Share experiences, share and solve problems, explore new resources, and report in a group setting. Supplying information is responsibility of students. Guest speakers, films, and readings in contemporary education. Coffey. Meets 7:00-9:00 Wednesday evenings.

#### CI 407. Seminar: Leadership (III): ESCAPE. (G) 4 credit hours.

Provides training for all ESCAPE leaders in the program; reporting session with chief leaders in small group setting. Training in problem-solving, planning strategies, communication, and essentials to the operation of the program. Coffey. 7:00-9:50 Tuesday evenings plus 12 hours of supervised work.

#### CI 407. Seminar: Research and Design: ESCAPE. (G) 3 credit hours.

Brainstorming, planning and writing sessions in preparation for fall, winter, and spring terms. Research in suggested program changes. Designing of questionnaires and other instruments. Coffey. Meetings to be arranged.

#### CI 407, 507. Seminar.

Credit hours to be arranged.

#### CI 409. Practicum: ESCAPE. (G) 1-5 credit hours.

Course credit for all tutor fieldwork in ESCAPE. Experience in variety of field settings: elementary and secondary tutors, community services. Tutor chooses an area of personal preference. Coffey. Meetings to be arranged.

### Additional courses

#### CI 333. Teaching Mathematics in Elementary School. 3 credit hours.

June 18-July 12. Arithmetic in the elementary program. Types of instruction, criteria for selection, placement, and organization of content. Lamon. Meets 2:30-4:20 M, Tu, W, Th.

#### CI 407. Seminar: Community Education. (G) 3 credit hours.

June 18-July 12. Basic introduction to the philosophy of community education and the community-school concept with special emphasis on the historical and legal basis for community education; interagency relationships; facilities; community organization; and financing. Santellanes. Meets 8:30-10:20 M, Tu, W, Th.

#### CI 407. Seminar: Catalysts for Cooperation in Community Education. (G) 2 credit hours.

June 13-15. Intensive course for all disciplines in human services and education; jointly sponsored by the School of Community Service and Public Affairs, the Northwest Regional Center for Community Education, the College of Education, and the College of Health, Physical Education, and Recreation. Emphasis on use of the community school as a resource center for all disciplines, agencies, and programs in the community. Concepts and skills in community education, problem-solving at neighborhood level, development of cooperative processes between the service disciplines. Materials and other resources from national, regional, and local level on development, implementation, and future prospects for the community school. Interested persons are requested to pre-register by mail or in person with Professor Norman Sundberg,

School of CSPA, 119 Hendricks Hall, by May 27. Sundberg, Fairchild, Warden, others. Meets 8:30-4:20 Th, F, Sat, other times to be arranged.

**CI 407. Seminar: Reading in the Primary Grades. (G) 3 credit hours.**

July 15-August 9. Observation and assessment of critical pre-reading abilities in young children; materials and techniques of beginning reading instruction; analysis of associative and conceptual learning assumed in different approaches; practice and self-evaluation in a field setting. Haddock. Meets 10:30-12:20 M, Tu, W, Th.

**CI 407. Seminar: Reading in the Intermediate Grades. (G) 3 credit hours.**

June 18-July 12. To develop knowledge and understanding of the use of multiple materials, teaching techniques, and organizational patterns for teaching reading in intermediate grades. Training in the use of a variety of teaching materials for reading instruction; knowledge of new or unusual techniques of developments in the field of reading; interpretation of materials read by thinking at factual, interpretive, and applicative levels. Murphy. Meets 10:30-12:20 M, Tu, W, Th.

**CI 407. Seminar: Teaching Strategies. (G) 2 credit hours.**

July 1-12. Instructor's contribution, large and small group activities, handout materials, modeling and practice of teacher behaviors so that upon completion of course, student will be able to identify and use four basic communication skills, distinguish between instructor and instructional objectives, write specific instructional objectives in their teaching field, demonstrate support for student response by utilizing acceptance behaviors, distinguish among patterns of question asking, patterns of eliciting student response, levels of question styles and ways of giving directions. Harris. Meets 9:30-11:20 M-F.

**CI 407. Seminar: Audiovisual Aids for Secondary School. (G) 2 credit hours.**

June 18-28. Introductory course in classroom media and communication techniques. Emphasis upon practical experiences by which one can learn to use educational media to communicate and transfer meaning. Experiences designed for immediate value; use of media as an essential aspect of management of classroom learning in future. Nelson. Meets 12:30-3:00 M, Tu, W, Th.

**CI 407. Seminar: Teaching Elementary School. (G) 3 credit hours.**

July 15-August 9. Practical insight into various areas which confront a beginning teacher; elementary curriculum, classroom management and control, parent conferences, differentiating instruction, lesson planning and preparation, and some methods and materials. Restricted to intern teachers. LeFrancis. Meets 8:30-10:20 M, Tu, W, Th.

**CI 407. Seminar: Teaching Secondary School. (G) 3 credit hours.**

July 15-August 9. Practical insight into various areas which confront a beginning teacher; secondary curriculum, classroom management and control, lesson planning and preparation, and some methods and materials. Restricted to intern teachers. Berg. Meets 8:30-10:20 M, Tu, W, Th.

**CI 407. Seminar: Education of Alienated Youth. (G) 3 credit hours.**

June 18-July 12. School in a changing society; attributes of a school which tend to disengage the student from the learning process. Student leadership in producing change. Flores. Meets 8:30-10:20 M, Tu, W, Th.

**CI 407. Seminar: Minority Problems in the Schools. (G) 3 credit hours.**

July 15-August 9. Presents philosophical positions and concerns of Blacks, Chicanos, Native Americans, and Asians. Will provide proposals for educators to meet the needs of minorities in schools. Flores. Meets 8:30-10:20 M, Tu, W, Th.

**CI 407. Seminar: Theories of Research of the Poor. (G) 3 credit hours.**

June 18-July 12. Analysis of two approaches to studying the phenomenon of poor academic performance among youth in low-income settings. Poole. Meets 10:30-12:20 M, Tu, W, Th.

**CI 408. Newspaper in the Classroom. (G) 4 credit hours.**

July 29-August 9. Analysis and evaluation of newspaper format and content; explanation of techniques for using the newspaper as a resource in grades 1-12 and for all subject areas; development of newspaper projects and applications appropriate for individual teacher's needs. Olson. Meets 12:30-4:20 M, Tu, W, Th.

**CI 409. Practicum: September Experience. (G) 1-3 credit hours.**

August 5-30. Practicum for elementary or secondary preservice teachers involving placement in public school prior to beginning of University term. Hull. Meetings to be arranged.

**CI 427. School Activities. (G) 3 credit hours.**

June 18-July 12. Principles and purposes of school activities; pupil participation in school government; assemblies; clubs; social activities; athletics; speech activities; drama, music, publications; evaluation of the school activity program. Moore. Meets 8:30-10:20 M, Tu, W, Th.

**CI 435. Educational Media. (G) 4 credit hours.**

June 18-July 12; or July 15-August 9. The development and use of audiovisual aids in education; emphasis on actual learning situations in which radio, recordings, films, slides, pictures, maps, charts are used; sources of materials and equipment; administration of audiovisual programs. Ferrington, Thurn. Meets 10:30-1:20 M, Tu, W, Th.

**CI 451. Early Childhood Education. (G) 3 credit hours.**

June 18-July 12. Relationship of the development of young children to educational programs provided for them. Program planning, group behavior. Nye. Meets 8:30-10:20 M, Tu, W, Th.

**CI 469. Reading and Writing in the Secondary School. (G) 3 credit hours.**

June 18-July 12. 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. Hesse. Meets 7:30-9:20 M, Tu, W, Th.

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

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. Moore. Meets 2:30-4:20 M, Tu, W, Th.

**CI 507. Seminar: Primary Education. 3 credit hours.**

June 18-July 12. Curriculum, instructional practices and materials, kindergarten through grade three. Relationship of research concerning young children to the program. Program planning; variations of individual development; the place of the teacher; equipment; first-hand experience and other activities. Study of Montessori, British Infant, Kibbutz, and Soviet primary education. Observations in public and private schools. Krenning. Meets 12:30-2:20 M, Tu, W, Th.

**CI 507. Seminar: Teaching Creative Writing in the Elementary School. 3 credit hours.**

July 15-August 9. Analysis of philosophy, objectives, environment, motivation, mental processes, language factors, and evaluation in planning an effective creative-writing program. Participants will engage in variety of activities which may be adapted for use in elementary school classroom. DeHaven. Meets 12:30-2:20 M, Tu, W, Th.

**CI 507. Seminar: Reading and Application: Content. 3 credit hours.**

July 15-August 9. An advanced course dealing with the development and application of critical reading abilities in specific content areas. Hesse. Meets 7:30-9:20 M, Tu, W, Th.

**CI 507. Seminar: Language Experience in the Primary Grades. 3 credit hours.**

June 18-July 12. Psychological and philosophical rationale, techniques and materials in utilizing children's experience and language patterns in teaching communication skills. Place of language in socialization and cognitive development of the child. Organizing time, space, and instructional materials to encourage self-direction in oral expression, creative and functional writing, encoding, decoding, and critical reading skills. Davis. Meets 2:30-4:20 M, Tu, W, Th.

**CI 507. Seminar: Elementary School Evaluation. 3 credit hours.**

June 18-July 12. 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. Sylwester. Meets 10:30-12:20 M, Tu, W, Th.

**CI 507. Seminar: Learning Activity Packages. 4 credit hours.**

July 15-26. Preparation and utilization of individualized materials including performance criterion, multi-media approaches, and evaluation. Acheson. Meets 12:30-5:00 M, Tu, W, Th.

**CI 507. Seminar: Interpersonal Communication. 4 credit hours.**

July 29-August 9. Analysis of behaviors and other factors helping or hindering effective interpersonal communication; practice in developing effective interpersonal communication skills; analysis of personal style of interpersonal communication; implications of above for effective student and peer relationship in the teaching-learning setting. Harris. Meets 12:30-5:00 M-F

NOTE: The following four courses may be taken separately by those who want to concentrate on a specific aspect of supervision. Taken as a sequence, the courses constitute an introduction to the complete supervisory process as it pertains to teacher preservice and inservice programs. Emphasis will be given to new state regulations affecting teacher certification and evaluation.

**CI 507. Seminar: Analysis of Instruction. 2 credit hours.**

June 18-28. Application of objective information recorded in the classroom to the analysis and diagnosis of instructional problems. The interpretation of matrices, diagrams, tapes and transcripts, uses of instruments for student evaluation. Kehl. Meets 2:30-5:00 M, Tu, W, Th.

**CI 507. Seminar: Evaluation of Instruction. 2 credit hours.**

July 1-12. Use of teacher and supervisor-set performance goals in conjunction with data from classroom observation and analysis, to assess effectiveness of instruction. Applications from research to

problem of determining "demonstrated competence." Use of specific materials in teacher evaluation. Kehl. Meets 2:30-5:00 M, Tu, W, Th.

**CI 507. Seminar: Supervisory Conferences. 2 credit hours.**

July 15-26. Patterns and techniques of interaction between supervisors and supervisees. Emphasis on conferences between supervisors and teachers. Applications to both preservice and inservice programs. Consideration of the relationships between conferences, observation, analysis, and evaluation. Zigler. Meets 2:30-5:00 M, Tu, W, Th.

**CI 507. Seminar: Supervisory Cycle. 2 credit hours.**

July 29-August 9. Comprehensive summary of the complete supervision process; planning and goal-setting, classroom observation, analysis of observational data, teacher conferences, and evaluation of instruction. Acheson. Meets 2:30-5:00 M, Tu, W, Th.

**CI 507. Seminar: Questioning Strategies. 4 credit hours.**

July 29-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 session. Miller. Meets 12:30-5:00 M, Tu, W, Th.

**CI 507. Education and Poverty. 3 credit hours.**

July 15-August 9. An examination of public school institutions and how they are organized to provide an educational experience for impoverished children. Poole. Meets 10:30-12:20 M, Tu, W, Th.

**CI 508. Workshop: Community Education. 2 credit hours.**

August 5-9. Involvement and exposure to the many facets of community education development and the operation of community schools. Numerous short presentations by resource persons. Group reaction panels. Discussion and action-oriented problem-solving groups. Santellanes. Meets 8:30-4:20 M-F.

**CI 508. Workshop: Environmental Science. 4 credit hours.**

June 18-28. Examination of some basic issues relating to care and maintenance of the environment and relation of these issues to teaching activities in the elementary classroom. Hull. Meets 12:30-5:00 M, Tu, W, Th.

**CI 508. Workshop: Learning Environment. 4 credit hours.**

July 1-12. Study of the social, psychological, and physical factors which influence classroom environment. Interdisciplinary, with contributions from psychology, philosophy, sociology, and educational foundations. Miller. Meets 12:30-5:00 M, Tu, W, Th.

**CI 508. Workshop: Mathematics in the Elementary School. 4 credit hours.**

July 1-12; or July 15-26. Introduces teachers to a modern Nuffield approach to the teaching of mathematics. Will involve construction of activities as well as introduction to mathematics processes for the elementary teacher. Maertens, Tarzaban. Meets 12:30-5:00 M, Tu, W, Th.

**CI 508. Workshop: The Student Council. 3 credit hours.**

August 12-23. Study of programs which provide for student participation in school government; aims and objectives, problems, projects and evaluations. First week devoted to group work; second week to individual study. Hearn. Meets 8:30-4:20 M, Tu, W, Th.

**CI 508. Workshop: Mathematics in the Secondary School. 6 credit hours.**

June 18-July 12. Emphasis on the implementation of a laboratory approach to mathematics instruction in grades 6 to 12. Opportu-

nity for participation to design activity cards, to work in a mathematics-resource center, and to examine resource materials. Participants work in their area of responsibility in mathematics education. Schaaf. Meets 8:30-12:20 M, Tu, W, Th, plus laboratory.

**CI 508. Workshop: Intern Teaching. 3 credit hours.**

August 12-23. Interns will work on preparation of materials for the coming school year, with assistance from supervisors and clinical professors. Restricted to intern teachers. Hull. Meetings to be arranged.

**CI 522. Secondary School Curriculum. 3 credit hours.**

July 15-August 9. Secondary school curriculum, emphasizing various subject fields, organization of the school for curriculum development, educational objectives, course of study, evaluation of the secondary school program. Hearn. Meets 8:30-10:20 M, Tu, W, Th.

**CI 534. Science in the Elementary School. 3 credit hours.**

July 15-August 9. 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. Hull. Meets 10:30-12:20 M, Tu, W, Th.

**CI 535. Social Studies in the Elementary School. 3 credit hours.**

July 15-August 9. Social education objectives; children's social problems; unit development; work-study skills; organization of the problem; materials, research findings basic to the social education of children. Nye. Meets 8:30-10:20 M, Tu, W, Th.

**CI 536. Language Arts in the Elementary School. 3 credit hours.**

June 18-July 12. 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. DeHaven. Meets 8:30-10:20 M, Tu, W, Th.

**CI 537. Reading in the Elementary School. 3 credit hours.**

June 18-July 12. Nature of the reading process, objectives, and organization of a desirable reading program; reading readiness, reading skills; procedures; procedures and materials for developing children's reading abilities; methods of diagnosing difficulties and evaluating progress. Haddock. Meets 10:30-12:20 M, Tu, W, Th.

**CI 538. Mathematics in the Elementary School. 3 credit hours.**

July 15-August 9. Number abilities needed by children; designing number experiences; theories of teaching, desirable teaching procedures, selection and use of materials. Lamon. Meets 12:30-2:20 M, Tu, W, Th.

**CI 541. Cognitive Development of the Child. 3 credit hours.**

July 15-August 9. Discussion of Piaget's findings and their implications for education. Review of pertinent literature on child development. Krenning. Meets 12:30-2:20 M, Tu, W, Th.

**CI 553. Elementary School Curriculum. 4 credit hours.**

July 15-August 9. 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 curricular practices. Sylwester. Meets 8:30-10:20 M-F.

**CI 565. Curriculum Foundations. 4 credit hours.**

June 18-July 12. Implications of basic social, philosophical and psychological factors in curriculum planning and organization; historical background; techniques of curriculum planning. Suttle. Meets 7:30-9:20 M-F.

**CI 566. Curriculum Construction. 4 credit hours.**

July 15-August 9. Consideration of the processes of curriculum changes, sources of curriculum decisions, and proposals for curriculum design; issues, problems, and trends in curriculum development explored. Suttle. Meets 7:30-9:20 M-F.

**CI 574. School Supervision. 3 credit hours.**

June 18-July 12. 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. Zigler. Meets 10:30-12:20 M, Tu, W, Th.

## Center for Educational Policy and Management

### Instruction and Field Services

- Department Head, Richard O. Carlson, Ed.D., Professor (innovation, organization theory, administrative succession).  
 Gordon Bailey, B.S., Instructor (education and social thought).  
 C. A. Bowers, Ph.D., Professor (philosophy of education).  
 Charlene Curry, Ph.D., Visiting Assistant Professor (values and education).  
 Thomas L. Dahle, Ph.D., Professor (adult education).  
 C. H. Edson, M.A., Assistant Professor (history of education).  
 Kenneth A. Erickson, Ed.D., Professor (school surveys, the superintendency).  
 Bob Everhart, Ph.D., Visiting Assistant Professor, Northwest Regional Educational Laboratory (sociology of education).  
 Steve Goldschmidt, J.D., Assistant Professor (law and education, juvenile delinquency).  
 Arthur C. Hearn, Ed.D., Professor (secondary schools, principalship, student activities).  
 Anne M. Marnix, Ph.D., Visiting Assistant Professor (school evaluation).  
 Jeunelle Moorhead, M.S., Professor (international studies).  
 John M. Nagle, Ph.D., Assistant Professor (educational organizations, program planning and evaluation, general systems theory).  
 Henry Osibov, D.Ed., Associate Professor (school finance, school law).  
 John S. Packard, Ph.D., Assistant Professor (organizational and administrative theory).  
 Philip K. Piele, Ph.D., Associate Professor (buildings, year-round schools, information systems).  
 Hugh Prichard, M.Ed., Instructor (early childhood, educational policy studies).  
 John Ross, M.A., Instructor (philosophy and social theory).  
 Adolph A. Sandin, Ph.D., Professor (elementary schools, principalship).

Dale Sturdavant, B.A., Instructor (educational policy studies).  
Francis C. Thiemann, Ph.D., Associate Professor (communications, instructional teams, community college).

For independent work in Research, Thesis, and Reading and Conference, see page 19.

## Educational Administration

### Eight-week session (June 18-August 9)

#### EdAd 501. Research Field Studies.

Credit hours to be arranged. Consent of instructor (letter or telephone) is required. Erickson.

#### EdAd 508. Workshop: Educational PPBS. 3 credit hours.

Meetings to be arranged.

#### EdAd 575. School Finance. 3 credit hours.

Fiscal management of the schools; legal and political aspects of school finance; economics of education; taxation, local and state procurement and distribution of funds; performance budgeting and accounting. Prerequisite: work in supervision and administration, or consent of instructor. Osibov. Meets 3:30-4:20 M, Tu, W, Th.

#### EdAd 576. School Buildings. 3 credit hours.

Critical survey and study of current trends in school buildings field: systems building, fast-tracking, open space design; alternatives to buildings; renovation and modernization, relocatables, year-round schools; the learning environment; legal and financial consideration; bond elections; maintenance, furniture and equipment, security. Piele. Meets 10:30-11:20 M, Tu, W, Th.

### Additional courses

#### EdAd 407. Seminar: Law and Educational Policy. (G) 3 credit hours.

June 18-July 12. An introduction to the social purposes and functions of law, the legal system, and the legal method are provided. Focus is on the legal basis and powers of state, local, and federal governments in education, and the policy implications for educational institutions and personnel of selected legal concepts represented by First Amendment freedoms of speech and religion and Fourteenth Amendment equal protection and due process rights. Highly recommended for students interested in courses on student and teacher rights. Goldschmidt. Meets 12:30-2:20 M, Tu, W, Th.

#### EdAd 407. Seminar: Student Rights. (G) 3 credit hours.

July 15-August 9. Rights of elementary and secondary students; discussion of equal educational opportunity and right to education; issues related to First Amendment freedom of expression; student dress codes; search and seizure; student records and counselor communications; rights of married students and mothers; due process relating to suspensions and expulsions, use of corporal punishment. The rights of minors under the juvenile justice system will be compared with the rights of minors in school. Goldschmidt. Meets 12:30-2:20 M, Tu, W, Th.

#### EdAd 507. Seminar: Model Elementary Schools. 3 credit hours.

June 18-July 12. Designed to enable students to examine diverse models of elementary schools—graded, nongraded, multi-unit, free

school, open area, and others; the central mission(s) of the school, support systems and critical questions relevant for their analysis and evaluation. Sandin. Meets 8:30-10:20 M, Tu, W, Th.

#### EdAd 507. Seminar: Management of Educational Institutions. 3 credit hours.

June 18-July 12. Presents a variety of perspectives for viewing administration as a field of study. Includes administrative task areas, the administrative process, bureaucratic management, leadership, and administration as a social role. Meets 9:30-11:20 M, Tu, W, Th.

#### EdAd 507. Seminar: Simulation in Decision-Making. 3 credit hours.

July 15-August 9. Uses simulated situations for skill development in decision-making. Emphasizes adequate use of information, anticipating consequences, and accurate analysis of problems. Meets 2:30-4:20 M, Tu, W, Th.

#### EdAd 507. Seminar: Educational Institutions as Social Organizations. 3 credit hours.

July 15-August 9. The seminar examines the organizational structure and the social organization of educational institutions and their interaction. Packard. Meets 9:30-11:20 M, Tu, W, Th.

#### EdAd 507. Seminar: Evaluation of the School Program. 3 credit hours.

June 18-July 12. Appraisal of educational programs on the basis of the school's philosophy and the characteristics of the community to be served. Instruments developed by the National Study of School Evaluation, as well as other recent appraisal materials, will be studied. Marnix. Meets 7:30-9:20 M, Tu, W, Th.

#### EdAd 527. Secondary-School Administration and Supervision. 3 credit hours.

June 18-July 12. 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 schools. Hearn. Meets 12:30-2:20 M, Tu, W, Th.

#### EdAd 554. Elementary-School Administration and Supervision. 3 credit hours.

July 15-August 9. Legal status, role expectations, and broad responsibilities associated with principalship positions; theories and models of elementary school organizations; common administrative processes and their application; model pupil personnel policies; teacher-administrator relations, professional negotiations and professional organizations; critical factors in school-community relations. Sandin. Meets 8:30-10:20 M, Tu, W, Th.

#### EdAd 560. Secondary-School Problems. 3 credit hours.

July 15-August 9. Emphasis upon leadership responsibility for the improvement of the secondary-school instructional program with particular attention to the needs of the student. Implementation of basic principles through the use of such materials as study-habits inventories, time-distribution sheets, quintile classifications, interest inventories, and cumulative personnel records. Marnix. Meets 12:30-2:20 M, Tu, W, Th.

## Higher Education

### Eight-week session (June 18-August 9)

#### HiEd 509. Practicum.

Credit hours to be arranged.

**Additional courses****HiEd 572. Programs in the Community College. 3 credit hours.**

June 18-July 12. A survey of the variety of programs offered in the community college and their relationship to other educational, professional, and vocational areas. Thiemann. Meets 7:30-9:20 M, W.

**Educational Foundations****Eight-week session (June 18-August 9)****EdF 324. School and American Life. 3 credit hours.**

Orientation to the purposes, organization, financing, and operation of the American school, and the relationship of these factors to modern educational reform. Evaluation of education as a career. Sturdavant. Meets 1:30-2:20 M, Tu, W, Th.

**EdF 327. Social Foundations of Teaching. 3 credit hours.**

Nature and influence of such social determinants of child behavior in school as family, school and class structure, peer groups, and mass media. Curry. Meets 9:30-10:20 M, Tu, W, Th.

**EdF 407. Seminar: Contemporary Critics and Reform Movements in Education. (G) 3 credit hours.**

An examination of current educational critics such as Friedenberg, Goodman, Holt, Illich, and Silberman. The seminar will consider their ideas in light of the general nature of reform movements, a historical view of reform in American education, and the place of educational reform in relation to conditions within related institutions. Everhart. Meets 10:30-12:20 M, W.

**EdF 407. Seminar: Existentialism and Education. (G) 3 credit hours.**

Issues raised and attitudes suggested by such existential writers as Nietzsche, Buber, Camus, Hesse, and Sartre with attention to aims and practices of education. Ross. Meets 10:30-12:20 Tu, Th.

**EdF 407. Styles of Teaching. (G) 3 credit hours.**

Explores the relationship between various world views, learning-motivation models, and teaching styles. Emphasis will be given to the relationship between a teacher's personal philosophy and personal style of teaching. Readings will range from Skinner to Castaneda, including Piaget, Gurdjieff, Bugenthal, Dewey, Combs, Rogers, Maslow, and others. Prichard. Meets 12:30-2:20 M, W.

**EdF 407. Seminar: Education and Social Thought. (G) 3 credit hours.**

Treatment of selected representatives of Marxism, Existentialism, Phenomenology, and other contemporary writers whose social thought relates to the study of education. Bailey. Meets 12:30-2:20 Tu, Th.

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

Introduction to the major social and intellectual trends in the history of American education. The central aim is to question familiar institutional facts and ideologies, and to ask how and why certain educational ideas and practices develop to point where they are taken for granted. Edson. Two sections: 9:30-10:20, and 11:30-12:20 M, Tu, W, Th.

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

Examination of the ideas of Sartre, Buber, and G. H. Mead as they relate to current educational issues; the nature of freedom,

identity and alienation as analyzed from a phenomenological perspective; education as a process of examining cultural assumptions; the relationship between local control of education and freedom of inquiry; education and Berger's theory of the social construction of reality. Bowers. Two sections: 8:30-9:20, and 10:30-11:20 M, Tu, W, Th.

**EdF 491. Social Education. (G) 3 credit hours.**

Examines the effects of the interrelationships of education and other social institutions in society in an effort to understand and deal with cultural change, the variety of special demand upon the schools, and contemporary issues and problems. Everhart. Meets 8:30-9:20 M, Tu, W, Th.

**EdF 507. Seminar: Values and Education. 3 credit hours.**

Origins, perpetration, conflict, change; the role of the teacher, the administrator, and impact of the educational system. Focus on contemporary social crises resulting from conflict between socio-cultural groups, between generations, and between ideological positions. Curry. Meets 7:00-10:00 Monday evenings.

**Additional courses****EdF 508. Workshop: Ecuador: Its Culture and Archaeological Background. 3 credit hours.**

June 29-July 27. Offered in cooperation with Catholic University, Quito. First two weeks will be spent in Quito with lectures on Catholic University campus. Topics will include Ecuadorian culture, geography, history, archaeology, folklore, and oil exploration. Second two weeks will be spent visiting archaeological sites: Ingapirca, Santa Elena, and Manta. Simultaneous translations will be provided for lecture in Spanish. Fee of \$997 includes round-trip air fare from Miami to Quito, Ecuador, transportation within Ecuador, field trips and excursions, hotel accommodations, three meals daily, and fee payment of 6 credit hours. Students may enroll concurrently in Anth 506 Culture of Ecuador, for a total of 6 credit hours.

**EdF 508. Workshop: Peru: Archaeology for the Layman. 3 credit hours.**

July 28-August 25. Lectures will be held at Instituto Cultural Peruano Norte Americano in Lima on geography, recent archaeological findings in Peru, U.S.-Peru cultural relations, education and economic development in Peru. Cuzco, Huancayo, Huaraz, and Chan Chan will be visited. Fee of \$1,148 includes round-trip air fare from Miami to Lima, Peru, transportation within Peru, field trips and excursions, hotel accommodations, tuition fees, breakfast, and special meals while in Lima, and three meals daily while outside of Lima.

NOTE: Total cost of the combined trips to Ecuador and Peru is \$1,952. Co-directors, Jennelle Moorhead and C. M. Aikens. Advance reservations required. Write to Jennelle Moorhead, University of Oregon, 1479 Moss Street, Eugene, Oregon 97403.

**Educational Psychology**

Department Head. A. J. H. Gaite, Ph.D., Assistant Professor (human development and learning, evaluation).

Henry F. Dizney, Ph.D., Professor (measurement, research).

Myra Howe, M.A., Instructor (testing).

Lloyd L. Lovell, Ph.D., Professor (developmental psychology).

Arthur Mittman, Ph.D., Professor (measurement, research).  
Richard J. Rankin, Ph.D., Professor (individual differences, testing).

For independent work in Research, Thesis, and Reading and Conference, see page 19.

### Eight-week session (June 18-August 9)

#### **EPsy 321. Human Development and Education. 2 credit hours.**

Examination and study of human development through conception, infancy, childhood, adolescence, and early adulthood; consideration of relationship between developmental processes and educational experience in the United States today. Gaité. Meets 7:30 M, Tu, W.

#### **EPsy 322. Human Learning and Education. 2 credit hours.**

Examination and study of human learning in children, adolescents, and adults. Consideration of theories of learning and theories of instruction, and their relevance to human learning in individual, group, and school situations. Prerequisite: EPsy 321, or an approved equivalent. Dizney. Meets 11:30 M, Tu, W.

#### **EPsy 323. Psychology and Problems in Education. 2 credit hours.**

Study of role of psychology in a number of contemporary problems and issues in education. Knowledge of human learning, developmental processes, and group behavior will be related to particular current issues in education, e.g., the use of intelligence tests and testing programs in schools. Prerequisite: EPsy 321 and 322, or an approved equivalent, and some practical experience approved by department. Gaité. Meets 9:30 M, Tu, W.

#### **EPsy 407. Developmental Psychology of the Child. (G) 3 credit hours.**

Theories of child development, special problems of the child and his world. Lovell. Meets 8:30 M, Tu, W, Th.

#### **EPsy 407. Contemporary Issues of Educational Psychology Related to Classroom. (G) 3 credit hours.**

Deals with selected topics of educational psychology receiving renewed attention today. For example: the nature-nurture question, schools and effective education, ability grouping, grading and evaluation. Literature reviewed and analyzed. Lovell. Meets 10:30 M, Tu, W, Th.

#### **EPsy 407 (G), 507. Seminar.**

Credit hours to be arranged.

#### **EPsy 409 (G), 509. Practicum.**

Credit hours to be arranged.

#### **EPsy 409. Practicum: Tests WISC/WAIS. (G) 3 credit hours.**

Practice in the use of the theory and concepts of individual intelligence testing, using the WISC/WAIS tests. Consent of instructor is required. Rankin, staff. Meets 9:30 M, Tu, W, Th.

#### **EPsy 424. Measurement in Education. (G) 3 credit hours.**

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. The course includes simple statistics of test interpretation. Mittman. Meets 8:30 M, Tu, W, Th.

#### **EPsy 507. Seminar: Thesis. 1 credit hour.**

Lovell. Meets 3:30-5:20 Mondays.

#### **EPsy 508. Workshop.**

Credit hours to be arranged.

#### **EPsy 512. Introduction to Research Procedures in Education. 3 credit hours.**

An introduction to the scientific methodology essential to carrying out a research study. Particular attention is given to statement of the problem, formulation of hypotheses, and design of experiment. Prerequisite: EPsy 424, 515, 516, or equivalent. Mittman. Meets 10:30 M, Tu, W, Th.

#### **EPsy 515. Educational Statistics. 3 credit hours.**

Statistical analyses: presentation of data, probability, sampling theory, hypotheses testing, regression and correlation, analysis of variance. Dizney. Meets 1:30 M, Tu, W, Th.

### Additional courses

#### **EPsy 508. Workshop: Updating Latest Version of the WISC. 1 credit hour.**

June 21-June 23 (weekend). Training in administration, interpretations, and limitations of the *revised* Wechsler Intelligence Scale for Children (WISC). Students should have had experience with existing Wechsler tests. Rankin. Meets 8:00-10:00 Friday evening, 9:00-12:00, 1:00-4:00 Saturday, and three hours to be scheduled on Sunday.

#### **EPsy 508. Workshop: Evaluation of Instructional Programs in the Schools. 1 credit hour.**

June 28-June 30 (weekend). A nontechnical study of what constitutes good, bad, and indifferent evaluation of school systems and of school programs. Students will participate in solving real problems of evaluation. Workshop will look at both ends of evaluation: (1) doing an evaluation, and (2) being evaluated. The workshop should be useful for teachers and administrators who may be interested in evaluation without wanting to become experts in it. Gaité, Dizney, and guest workshop leaders. Meets 8:00-10:00 Friday evening, 9:00-12:00, 1:00-4:00 Saturday, and three hours to be scheduled on Sunday.

## Special Education, Speech Pathology, and Audiology

Department Head, Herbert J. Prehm, Ph.D., Professor (mental retardation).

Lloyd Augustine, Ph.D., Assistant Professor (speech pathology, audiology).

Barbara Bateman, Ph.D., Professor (learning disabilities).

Tom Bellamy, M.A., Teaching Fellow (severely handicapped).

Esther Brummer, Ph.D., Assistant Professor (mental retardation).

Myrtice Butler, Ph.D., Assistant Professor (speech pathology, audiology).

Ned Jay Christensen, Ph.D., Associate Professor (speech pathology, audiology).

John deJung, Ed.D., Professor (measurement and evaluation).

- V. Knute Espeseth, Ph.D., Associate Professor (crippled and other health-impaired).
- Faye Haisley, Ph.D., Visiting Assistant Professor (learning disabilities).
- Dean Inman, M.S., Teaching Fellow (neurology).
- James McDonald, Ph.D., Assistant Professor (behavior disorders).
- Kathleen McManman, M.S., Teaching Fellow (learning disabilities).
- Barbara Ring, Ph.D., Assistant Professor (learning and behavior disorders).
- George Sheperd, Ed.D., Associate Professor (mental retardation).
- Richard Sonnen, Ed.D., Visiting Assistant Professor (administration).
- Joyce Spence, Ph.D., Assistant Professor (behavior disorders).
- John Stamm, Ph.D., Assistant Professor (mental retardation).
- Martin Waechter, Ph.D., Visiting Assistant Professor (severely handicapped).
- Carolyn Witcher, M.A., Instructor (disadvantaged).

For independent work in Research, Thesis, and Reading and Conference, see page 19.

## General Special Education

Eight-week session (June 18-August 9)

### SpEd 409 (G), 509. Practicum.

Credit hours to be arranged. Consent of instructor is required (may be obtained from Barbara Ring or John Stamm).

### SpEd 462. Psychology of Exceptional Children. (G) 3 credit hours.

The characteristics and problems of exceptional children, including definitions, classification, psycho-educational characteristics, and adult adjustment. Special emphasis given to current controversies and future trends. Prehm. Meets 6:30-10:20 Tuesday evenings.

### SpEd 485. Behavior Management with Exceptional Children. (G) 4 credit hours.

Introduction to the use of behavioral principles in day-to-day classroom interactions to foster a child's motivation, positive attitudes, academic achievement, and social development. Study of the varieties of problem behaviors and ways to reduce them. Examination of methods of effective large group management to facilitate each child's progress. McDonald. Meets 1:30-3:50 M, W.

### SpEd 507. Seminar: Administration of Pupil Personnel Services. 3 credit hours.

Mutual development of a concept of pupil-personnel services based on interpersonal and group processes. Emphasis on development of services oriented to pupil needs rather than generalized professional roles. Consideration of various types of administrative structures for managing and applying supportive resources. Sonnen. Meets 12:30-7:20 alternate Thursdays.

### SpEd 507. Seminar: Proposal and Report Writing in Special Education. 3 credit hours.

A "how-to-do-it" seminar focused on the preparation of (a) proposals for state or federal funding and (b) final project reports. Emphasis given to the conceptualization, design, and reporting of classroom and local-district projects. Special attention directed to sources of funding for local-district projects and application procedures. deJung. Meets 6:30-10:20 Wednesday evenings.

### SpEd 507. Seminar: Historical and Legislative Bases for Special Education. 3 credit hours.

Major historical and philosophical contributions to special education; national, state, and local legislative and financial basis of special education; the rationale for all types of special education services; comparison of objectives of regular and special education; personal philosophies of special education. Espeseth. Meets 3:30-5:20 M, W.

### SpEd 507. Seminar: Precision Teaching. 3 credit hours.

Procedures are based on the traditional concept of measuring and recording behavior. Specific procedures are designed to enable the teacher to discover the abilities of each student, plan an individual program according to objective daily data, and assess the merits of the teaching program according to pupil progress. Waechter. Meets 6:30-10:20 Monday evenings.

## Behavior Disorders

### SpEd 409. Practicum: Teaching the Emotionally Disturbed. (G) 3-6 credit hours.

Laboratory-school program in which students work directly with children in a cross-categorical educational setting. Focuses on curriculum planning, and classroom methodology. Students will interact with peers, classroom teachers, and university supervisors for observation and evaluation. Emphasis on building intervention skills to facilitate socially adaptive behaviors in children. Prerequisite: Prior or concurrent registration in SpEd 465. Consent of instructor is required (may be obtained from Barbara Ring or John Stamm). Meets 8:30-12:00 M, Tu, W, Th.

### SpEd 463. Introduction to Behavior Disorders. (G) 3 credit hours.

Overview of behavioral disorders observed in children. Primary emphasis is on school children who experience adjustment and behavior problems. Introduces behavioral, dynamic, sociological, and psychoeducational points of view and a functional use of theory in daily classroom practice. McDonald. Meets 1:30-3:20 Tu, Th.

## Crippled and Other Health-Impaired

### SpEd 507. Seminar: Neurologically Impaired. 3 credit hours.

Study of the individual who has involvement of behavior on the basis of organic neurological impairment of both a mild degree and gross manifestations of neurological impairment. The basis for these types of impairments, associated neurological features and the educational, psychological, and social aspects of children and adults with these problems are discussed, as are various therapeutic approaches. Inman. Meets 6:30-10:20 Wednesday evenings.

NOTE: Other courses needed for Oregon Basic Norm Endorsement are available through reading and conference. Beginning with the 1974 Summer Session, basic courses in this area will be offered in alternating years.

## Learning Disabilities

### SpEd 409. Practicum: Diagnosis and Remediation of Learning Disabilities. (G) 3-6 credit hours.

Laboratory in diagnostic and prescriptive teaching with children who have learning disabilities. Prerequisite: prior or concurrent enrollment in SpEd 465; consent of instructor (may be obtained from Barbara Ring). Meets 8:30-12:00 M, Tu, W, Th.

**SpEd 465. Diagnostic Techniques in the Basic Skills. (G) 3 credit hours.**

Comparison of various methods used in diagnosis of reading problems. Development of a task analysis of the reading process from recent research data. Selection, administration, and analysis of criterion- and norm-referenced tests. Utilization of criterion-referenced tests in simulated diagnostic sessions. Study of characteristics of reading methods used in classroom instruction. Adaptation of these methods for the learning-disabled child. Haisley. Meets 7:30 M, Tu, W, Th.

**SpEd 466. Introduction to Learning Disabilities. (G) 3 credit hours.**

Introduction to history and current practices in diagnosis and remediation of learning disabilities. Presents major theories of etiology, commonly used assessment instruments, and remedial materials and methods. Introduces issues and controversies in the field. Major focus is on learning disabilities related to academic achievement, language, and perceptual disorders. Approximately equal emphasis will be given to etiological, diagnostic-remedial, and task analytic views of learning problems. Bateman. Meets 6:30-10:20 Monday evenings.

**SpEd 468. Remediation of Basic Skills. (G) 3 credit hours.**

Comparison and evaluation of instruments, instructional strategies and materials for use with children with learning problems. Focus is on the academic areas of language, spelling, handwriting, and arithmetic. Prerequisite: SpEd 465, and SpEd 409 Practicum: Learning Disabilities. Ring. Meets 12:30 M, Tu, W, Th.

**SpEd 509. Practicum: Diagnosis and Remediation of Learning Disabilities. 3-6 credit hours.**

Laboratory-school program in which students work directly with children in a cross-categorical educational setting. Focuses on curriculum planning, and classroom methodology. Students will interact with peers, classroom teachers, and university supervisors for observation and evaluation. Emphasis on extension and improvement of skills required to facilitate the instruction of children with extreme learning problems. Prerequisite: SpEd 465, SpEd 468, SpEd 409 Practicum: Learning Disabilities, consent of instructor is required (may be obtained from Barbara Ring or John Stamm). Haisley. Meets 8:30-12:00 M, Tu, W, Th.

**SpEd 562. Issues in Extreme Learning Disorders. 3 credit hours.**

Current issues in the field of learning disorders: definitional problems surrounding the relationships among mental retardation, emotional disturbance, cultural factors, and learning problems; the issue of whether learning disabilities are inherent within the child or within the environment; the extent to which learning disorders, primarily reading problems, can be prevented by specific training; the evaluation of new approaches and materials; the efficacy of predicting learning disorders; the role of the learning disabilities teacher; the accountability of remedial programs. Bateman. Meets 6:30-10:20 Tuesday evenings.

## Mental Retardation

**SpEd 407. Seminar: Extended Curriculum. (G) 3 credit hours.**

Designed to develop skills and knowledge that enable the student to teach, coordinate, and integrate such skills as arts, crafts, music, recreation, physical education, prevocational, and work-study as part of the extended curriculum (nonacademic activities) for mentally retarded students. "Learn-by-doing" approach emphasized. Meets 6:30-10:20 Tuesday evenings.

**SpEd 409. Practicum: Teaching the Retarded. (G) 3-6 credit hours.**

Laboratory-school program in which students work directly with children in a cross-categorical educational setting. Focuses on curriculum planning, and classroom methodology. Students will interact with peers, classroom teachers, and university supervisors for observation and evaluation. Emphasis on building skills required to facilitate the instruction of mildly, moderately, or severely retarded children. Consent of instructor is required (may be obtained from Barbara Ring or John Stamm). Meets 8:30-12:00 M, Tu, W, Th.

**SpEd 464. Mentally Retarded Child. (G) 3 credit hours.**

Problems, issues, and concepts related to definition and measurement of mental retardation; biomedical and sociocultural causes of mental retardation; psychological and educational performance of the retarded; social-vocational adaptation of retarded individuals. Prehm. Meets 7:30 M, Tu, W, Th.

**SpEd 489. Curriculum for the Mentally Retarded. (G) 3 credit hours.**

Provides students with a working knowledge of learning characteristics of the mentally retarded and their implication in selection of various teaching methods; examination of efficacy studies; classroom management and instructional planning for the mentally retarded including resource and teaching units, daily planning, grouping and seatwork; in-depth consideration of specific curriculum areas; philosophic bases for special classes for the mentally retarded; the role of teachers and administrators; legal bases for educational programs for the mentally retarded; and review of instructional materials. Sheperd. Meets 6:30-10:20 Wednesday evenings.

**SpEd 563. Diagnosis of Mental Retardation. 3 credit hours.**

Reviews past and current trends in diagnosis and classification of mental retardation. Emphasizes differential diagnosis as it relates to placement. Evaluates traditional as well as emerging diagnostic techniques. Student either observes or participates or both in clinical conference on case study. Consent of instructor is required. Enrollment limited to 20 students. Espeseth. Meets 3:30-5:20 Tu, Th.

## Speech Pathology and Audiology

**SPA 507. Auditory Processing: Reading and Speech. 3 credit hours.**

A consideration of auditory processing as related to reading and speech. Individual auditory skills are described and methods of evaluation are considered. Possible application of certain principles to specific learning disabilities. Christensen. Meets 3:30 M, Tu, W, Th.

### Additional courses

**SpEd 486. Design of Instruction for the Handicapped. (G) 3 credit hours.**

June 17-June 28. Design, development, and evaluation of instructional conditions for handicapped children. Emphasis is on behavioral definitions of instructional objectives, analysis of learning tasks into instructional hierarchies, selection of appropriate media and materials, individualization of instruction, and objective-based evaluation of instructional outcomes. Stamm. Meets 8:30-12:00 M, Tu, W, Th.

**SpEd 407. Seminar: Direct Instruction, Reading and Arithmetic. (G) 3 credit hours.**

July 1-July 12. An introduction to Engelmann's approach to teaching reading and arithmetic. Emphasis will be on the first-level DISTAR programs; outlines of levels 2 and 3 will be presented. Rationale, correction procedures, and a heavy emphasis on format practice will be included. Witcher. Meets 8:30-12:00 M-F.

**SpEd 507. Training Parents of Handicapped Children. 3 credit hours.**

July 15-July 26. Designed to acquaint teachers with differential modes of parent training and education, this course will cover current philosophies, strategies, and techniques of parent-training. Reading, discussion, and practice will be used to prepare teachers to assist parents with skills in instructional techniques and behavior management. Enrollment limited to 20 students. Brummer. Meets 8:30-12:00 M, Tu, W, Th.

**SpEd 407. Teaching the Severely Handicapped. (G) 3 credit hours.**

July 29-August 9. A survey of available strategies for teaching severely handicapped persons, emphasizing identification and analysis of meaningful instructional goals, definition of empirically supported instructional procedures, and evaluation of instructional programs. Appropriate for persons interested in or involved with severely handicapped persons in institutions, workshop and activity programs, and school and preschool settings. Bellamy. Meets 8:30-12:00 M, Tu, W, Th.

**SpEd 507. Early Childhood Education for the Handicapped. 3 credit hours.**

June 18-July 12. Efficacy of early education programs in general and for the handicapped in particular. Study of identification procedures, evaluation systems, administrative placement programs, teaching methods and materials, and relationships to other educational programs. Emphasis on practical application rather than theory. Sheperd. Meets 1:30-3:20 M, W.

**SpEd 507. Seminar: Counseling-Communication for Teachers of Exceptional Children. 3 credit hours.**

July 15-August 9. Increase of interpersonal communication skills in order to facilitate one's role as a change agent, and to increase one's knowledge of the role of effective communication and group processes. Spence. Meets 6:30-9:20 Tu, Th.

**Additional courses****SPA 407. Introduction to Diagnosis and Remediation of Language Disorders. (G) 3 credit hours.**

June 18-July 5. Methods in observation, data collection, task analysis, and task continuum therapy for the remediation of language disorders. Prerequisites: SPA 481, 482, 483 or the equivalent. Augustine. Meets 8:30-12:00 M, Tu, W, Th.

**SPA 409. Practicum: Remediation of Language Disorders. (G) 6 credit hours.**

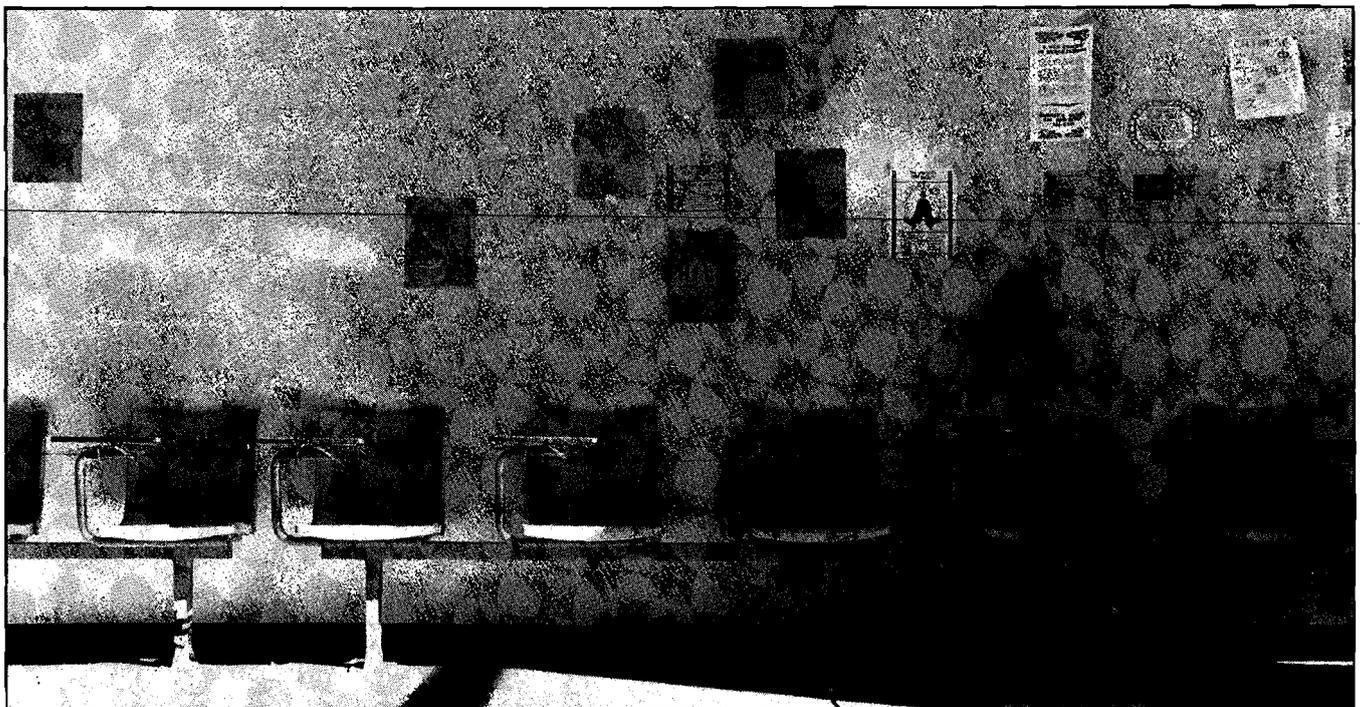
July 8-July 26. Practical application of competencies developed in SPA 407 Seminar: Diagnosis and Remediation of Language Disorders. Enrollment limited. Prerequisite: SPA 407; consent of instructor. Augustine. Meets 8:30-12:00 M, Tu, W, Th.

**SPA 507. Advanced Diagnosis and Remediation of Language Disorders. 3 credit hours.**

June 18-June 28. Advanced methods in clinical observation, data collection, task analysis, and task continuum therapy for the remediation of language disorders. Prerequisite: graduate standing. Butler. Meets 8:30-12:00 M, Tu, W, Th.

**SPA 509. Advanced Practicum: Diagnosis and Remediation of Language Disorders. 6 credit hours.**

July 1-July 26. Practical application of competencies developed in SPA 507 Seminar: Advanced Diagnosis and Remediation of Language Disorders. Enrollment limited. Prerequisites: SPA 507; consent of instructor. Butler. Meets 8:30-12:00 M, Tu, W, Th.



# College of Health, Physical Education, and Recreation

Dean, Lynn S. Rodney, Ph.D.

Associate Dean, Betty E. McCue, Ph.D.

Associate Dean, William P. Rhoda, D.Ed.

## Health Education

Department Head, Warren E. Smith, Ed.D., Professor (world health, safety, school health education, mental health).

Lorraine Davis, Ph.D., Assistant Professor (research and statistics, personal and community health).

Michael FitzPatrick, M.P.H., Assistant Professor (community health).

Michael C. Hosokawa, D.Ed., Associate Professor (diseases, community health, school health education).

Robert E. Kime, Ph.D., Professor (sex education, school health education, consumer health).

Linda Kroeger, R.N., M.S., Assistant Professor (first aid and safety, personal health).

Richard G. Schlaadt, Ed.D., Associate Professor (school health, drug education, teacher training).

For independent work in Research, Thesis, and Reading and Conference, see page 19.

### Eight-week session (June 18-August 9)

#### HE 250. Personal Health. 3 credit hours.

Personal health problems of university men and women; implications for family life, mental health, communicable diseases, degenerative diseases, nutrition. Satisfies the University requirement in health education for men and women. FitzPatrick and staff. Meets 9:30 M, Tu, W, Th.

#### HE 252. First Aid. 2-3 credit hours.

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 the course leads to the new Red Cross standard and personal safety certification or the new advanced and emergency care certification. Kroeger. Meets 8:30 M, Tu, W, Th.

#### HE 406. Special Problems.

Credit hours to be arranged.

#### HE 406. Data Management and Evaluation of School and Community Health Programs. (G) 3 credit hours.

An introduction of fundamental procedures in the collection, summarization, presentation, and analysis of health data—vital statistics, rates and ratios, demographic data, observations and tests. Particular emphasis will be placed upon the evaluation of health programs, questionnaire design, data presentation, and report writing. Hosokawa and Davis. Meets 3:30-5:20 M, W.

#### HE 406. Injury Control and Risk Behavior. (G) 2-3 credit hours.

Two-credit section examines basic causes of accidents, special emphasis on psychology of accidents. Key injury control programs in areas of motor vehicle, home, and recreation also studied. Persons wanting a THIRD hour of credit will continue through the new Red Cross first aid refresher programs. Those holding current instructor cards may update their training to become authorized to teach the new Standard and Personal Safety course designed for the high schools and the general public. Kime and Smith. Meets 8:30 M, Tu, W, Th.

#### HE 409. Practicum.

Credit hours to be arranged.

#### HE 450. Elementary School Health Education. (g) 3 credit hours.

Orients the teacher to the broad health field, the principles and procedures of organizing and administering the school health program, including the health services and the healthful school environment. Special attention to significant health problems and development of the health instruction phase through the introduction of recent content, methods, and materials. Schlaadt and staff. Meets 10:30 M, Tu, W, Th.

#### HE 506. Special Problems.

Credit hours to be arranged.

#### HE 509. Practicum.

Credit hours to be arranged.

### Additional courses

#### HE 406. Health from Cradle to Grave. (G) 3 credit hours.

June 18-June 27 and July 8-July 19. A study of the health aspects of early of early childhood, nutrition and dental implications, diseases of life, and the health aspects of aging. Davis and staff. Meets 7:30-9:20 M, Tu, W, Th.

#### HE 406. Critical Issues in Health. (G) 3 credit hours.

June 24-July 19. Examines four critical health problem areas and issues and their implications for school and community health education programs: teaching sex education and human sexuality, the venereal disease crisis, drugs and society, and the mental health crisis areas. Kime and staff. Meets 11:30-1:20 M, Tu, W, Th.

#### HE 406. Community Health Strategies. (G) 3 credit hours.

June 24-July 19. An exploration of public and community health programs from a local, state, federal, and international perspective with emphasis on the significant health problems at these various levels. Attention will be given to the existing health care

delivery systems and procedures for program evaluations. Hosokawa and staff. Meets 9:30-11:20 M, Tu, W, Th.

**HE 406. Health Education in the 70s. (G) 3 credit hours.**

July 1-July 26. Health educators will view the future role of the health coordinator with particular emphasis on communication skills, values clarification, in-service programs, budgeting, school-community involvement, staffing, developing programs, health careers and health career education. In addition, special attention will be given to the implementation of the district health coordinator's position. Schlaadt and staff. Meets 1:30-3:20 M, Tu, W, Th.

**HE 408. Quality of Life From a Health Perspective (I). (G) 2 credit hours.**

July 15-July 26. A workshop for teachers and interested persons who wish to deal with the quality of life from a health perspective. Topics to be covered will be ecology, environmental health, the mental health aspects of the leisure ethic, recreational activities, accident prevention, survival and rescue techniques, and moral and spiritual health for all age groups. Staff and consultants. Meets 1:30-3:20 M-F.

**HE 408. Quality of Life From a Health Perspective (II). (G) 2 credit hours.**

July 29-August 2. A workshop to be taken separately or as a continuation of the above and dealing experientially with the above topics. Participants will experience a series of daily experiments in an outdoor environment. Staff and consultants. Meets 8:30-5:30 M, Tu, W, Th plus other hours to be arranged.

## Physical Education

Department Head, Vernon S. Sprague, Ph.D., Professor (administration).

Jack D. Adler, D.Ed., Associate Professor (motor learning).

John W. Borchardt, Ph.D., Associate Professor (intramurals).

William J. Bowerman, M.S., Professor (assistant athletic director).

Jan Broekhoff, Ph.D., Professor (statistics research, child development).

Eugene Evonuk, Ph.D., Professor (exercise physiology).

Betty F. McCue, Ph.D., Professor (history and philosophy).

Corlee Munson, Ph.D., Associate Professor (elementary education).

Edward R. Reuter, Ph.D., Associate Professor (tests and measurements).

William P. Rhoda, D.Ed., Professor (research, administration).

Becky Sisley, D.Ed., Assistant Professor (women's athletics).

Richard J. Smith, Ph.D., Associate Professor (professional preparation).

Edna P. Wooten, Ph.D., Professor (exceptional child).

Lois J. Youngen, Ph.D., Associate Professor (curriculum).

For independent work in Research, Thesis, and Reading and Conference, see page 19.

### Eight-week session (June 18-August 9)

**PE 199. Special Problems.**

Credit hours to be arranged. Approval of department head required.

**PE 321. Games and Sports Skills. 2 credit hours.**

Values, purposes, and uses of creative games, games of low organization, basic skills and lead-up activities for children. General information, methods of instruction, and time allotments appropriate for elementary school program. Munson. Meets 1:30-2:20 M, Tu, W, Th.

**PE 322. Posture and Developmental Activities. 2 credit hours.**

Values, purposes and uses of mechanics of movement, posture screening, and developmental activities for children. General information, methods of instruction, and time allotments appropriate for elementary school program. Munson. Meets 2:30-3:20 M, Tu, W, Th.

**PE 323. Rhythms and Dance. 2 credit hours.**

Dance program for children in the elementary school. Basic movement activities including locomotor and nonlocomotor movement, original dance patterns. General information, methods of instruction, and time allotments appropriate for elementary school program. Staff. Meets 11:30-12:20 M, Tu, W, Th.

**PE 406. Special Problems.**

Credit hours to be arranged. Approval of department head required.

**PE 406. Special Problems. (g)**

Credit hours to be arranged. Approval of department head required.

**PE 406. Special Problems: Elementary School Physical Education Program. (G) 3 credit hours.**

Programming of elementary school physical education K-6; including philosophy, objectives, content, and evaluation. Munson. Meets 8:30-9:20 M, Tu, W, Th.

**PE 406. Special Problems. (G)**

Credit hours to be arranged.

**PE 407. Seminar.**

Credit hours to be arranged.

**PE 407. Seminar. (g)**

Credit hours to be arranged.

**PE 407. Seminar. (G)**

Credit hours to be arranged.

**PE 407. Seminar: Curriculum in Physical Education. (G) 3 credit hours.**

This course covers the criteria that determine program, the procedures of curriculum construction, the methods of implementing curriculum and the administration policies essential to the operation of such programs. Youngen. Meets 11:30-12:20 M, Tu, W, Th.

**PE 409. Practicum.**

Credit hours to be arranged. Supervised field laboratory work; clinical or in-service educational experiences. Such experiences should involve planned programs of activities and study, with assured provisions for adequate supervision. Approval of department head required.

**PE 473. Physiology of Exercise. 3 credit hours.**

Physiological effects of muscular exercise, physical conditioning, and training; significance of these effects for health and for performance in activity programs. Prerequisite: Bi 321, 322. Evonuk. Meets 10:30-11:20 M, Tu, W, Th.

**PE 506. Special Problems.**

Credit hours to be arranged.

**PE 507. Seminar.**

Credit hours to be arranged. Exploration, with small groups of students, of specific topics, within a division's field of study, which are not covered in regularly organized courses.

**PE 507. Seminar: Advanced Physiology of Exercise. 3 credit hours.**

Physiological principles and facts related to human performance, physical conditioning and training. Prerequisite: Bi 321, 322. Evonuk. Meets 12:30-1:20 M, Tu, W, Th.

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

Study, analysis, and comparison of physical education ideologies in various countries of the world. Sprague. Meets 9:30-10:20 M, Tu, W, Th.

**PE 507. Seminar: Physical Activity and the Socio-Psychological Development of Children. 3 credit hours.**

Motor development, development of self, and relationship with others in infancy and early childhood. The importance of physical activity for the socio-psychological adjustment of pre-school children. Role expectations of elementary school boys and girls with respect to physical performance. Socio-psychological changes during early adolescence. Broekhoff. Meets 8:30-9:20 M, Tu, W, Th.

**PE 507. Seminar: Administration of Service Course Program. 3 credit hours.**

Covers all aspects of college and university physical education basic instruction programs. Objectives, policies, activities, foundations, and fundamental courses, student attitudes and needs, exemptions, proficiency examinations, textbooks, evaluation, and use of teaching assistants. Rhoda. Meets 11:30-12:20 M, Tu, W, Th.

**PE 507. Advanced Motor Skill Learning. 3 credit hours.**

Extensive perusal of literature and research relevant to fundamental aspects of motor skill learning with emphasis on the implications for teaching. Review of some human performance aspects of motor learning. Prerequisite PE 533. Adler. Meets 10:30-11:20 M, Tu, W, Th.

**PE 509. Practicum.**

Supervised field laboratory work; clinical or in-service educational experiences. Such experiences should involve planned programs of activities and study, with assured provisions for adequate supervision. Approval of department head required.

**PE 516. History of Physical Education. 3 credit hours.**

A history of physical education from its earliest development up to the eighteenth century, followed by consideration of the various physical education systems in Europe and their transfer and adaptation to the United States. McCue. Meets 10:30-11:20 M, Tu, W, Th.

**PE 527. Techniques of Relaxation. 3 credit hours.**

The common causes of fatigue and neuromuscular hypertension; methods of combating them. Theories underlying techniques of relaxation; application of these techniques in daily living and in activities. Youngen. Meets 2:30-3:20 M, Tu, W, Th.

**PE 540. Statistical Methods in Physical Education. 3 credit hours.**

Elementary statistics applied to research, including central tendency, variability, normal probability curve, reliability, and correlation. Broekhoff. Meets 1:30-2:20 M, Tu, W, Th.

**PE 544. Critique and Interpretation of Research. 3 credit hours.**

Examination of completed research in health, physical education, and recreation; exercises in applying research results to practical situations. Rhoda. Meets 2:30-3:20 M, Tu, W, Th.

**PE 551. Administration of Physical Education. 3 credit hours.**

Administration of physical education in colleges and universities and city systems. Historical background, administrative theory; organizational purposes, organizational climate, leadership behavior, human relations, processes of administration. McCue. Meets 3:30-4:20 M, Tu, W, Th.

**PE 555. Intramural Organization and Management. 3 credit hours.**

Nature and purposes of intramural programs; history of their development. Departmental organization. Relationship of the program to physical education instruction. Administrative problems. Borchardt. Meets 9:30-10:20 M, Tu, W, Th.

**PE 572. Gross Anatomy. 3 credit hours.**

Principles and facts in the fields of myology, osteology, arthrology, neurology, and angiology of importance to college teachers of physical education who give instruction in anatomy, kinesiology, and physiology of exercise. Application to body movement and performance. Prerequisite Bi 391, 392, or equivalent. Wooten. Meets 7:30-8:20 M, Tu, W, Th.

**Service (Activity) Courses for Men and Women (1 credit hour, each section). Meet at indicated times on M, Tu, W, Th except where otherwise noted. Staff.**

**CPE 124. Body Building/Conditioning.**

Section 1, 9:30; Section 2, 11:30.

**CPE 126. Jogging.**

Section 1, 8:30; Section 2, 9:30.

**CPE 131. Beginning/Intermediate Swimming.**

Section 1, 1:30; Section 2, 2:30; Section 3, 3:30.

**CPE 132. Swim Conditioning.**

Section 1, 8:30.

**CPE 331. Intermediate/Advanced Swimming.**

Section 1, 9:30; Section 2, 10:30.

**CPE 140. Volleyball.**

Section 1, 9:30.

**CPE 145. Archery.**

Section 1, 11:30.

**CPE 147. Badminton.**

Section 1, 10:30 (furnish own equipment).

**CPE 149. Bowling.**

Section 1, 12:30; fee \$9.00 (EMU).

**CPE 151. Beginning/Intermediate Golf.**

9:30-11:20 M, W; fee \$15.00.

**CPE 152. Beginning Mountaineering.**

Section 1 and 2, 7:00-8:50 Tu evenings plus 2 weekends; fee \$10.00.

**CPE 154. Mountain Hiking.**

Section 1 and 2, 7:30-5:20 Friday (3 meetings only); fee \$9.00.

**CPE 157. Beginning Sailing (Sailing Club).**

Section 1, 7:00 Wednesday plus laboratory ; fee \$15.00.

**CPE 158. Beginning Tennis.**

Section 1, 7:30; Section 2, 8:30; Section 3, 9:30; Section 4, 10:30; Sections 5 and 6, 11:30; Section 7, 12:30; Section 8, 1:30 (furnish own equipment).

**CPE 358. Intermediate Tennis.**

Section 1, 7:30; Section 2, 8:30; Section 3, 9:30; Section 4, 10:30; Section 5, 7:00-8:50 Tu, Th (furnish own equipment).

**CPE 359. Advanced Tennis.**

Section 1, 12:30; Section 2, 7:00-8:50 M, W, (furnish own equipment).

**CPE 135. Canoeing.**

Section 1, 10:30-12:20 M, W; fee \$3.00 to \$5.00.

**CPE 160. Beginning Riding.**

Stallings. 10:30-12:20 M, W; fee \$55.00.

**CPE 361. Intermediate Riding.**

Stallings. 11:30-1:20 M, W; fee \$55.00.

**CPE 362. Advanced Riding.**

Stallings. 9:30-11:20 M, W; fee \$55.00.

**CPE 363. Jumping.**

Stallings. 8:30-10:20 M, W; fee \$60.00.

**Additional courses****Master Teacher Institute**

Individual courses open to all graduate students.

**PE 506. Special Problems Analysis: Track & Field. 3 credit hours.**

June 18-July 12. Analysis, methodology, program and activity skills of track and field. Bowerman. Meets 2:30-4:20 M, Tu, W, Th.

**PE 506. Special Problems Analysis: Basketball, Softball. 3 credit hours.**

June 18-July 12. Analysis, methodology, program and activity skills in basketball and softball. Adler, Sisley. Meets 7:30-9:20 M, Tu, W, Th.

**PE 507. Seminar: Advanced Tests and Measurements. 3 credit hours.**

July 15-August 9. Develop knowledge of evaluation as applied to physical education to increase awareness of new developments in this area, to enable the individual to revise old tests and to construct new tests, and to understand how to interpret test results of various types, and have an experience in implementing these evaluation procedures in a teaching situation. Reuter. Meets 9:30-11:20 M, Tu, W, Th.

**PE 507. Seminar: Analysis of Movement. 3 credit hours.**

June 18-July 12. The analysis of movement experiences, including the applied kinesiological aspect of basic locomotor skills and selected physical education and sports activities. Adler. Meets 12:30-2:20 M, Tu, W, Th.

**PE 562. Physical Growth and Development. 3 credit hours.**

June 18-July 12. Emphasis upon changes that occur in the neuromuscular skeletal system, classifications for activity and contact sports during growth development and different maturation periods. Not a sequence. Prerequisite: Bi 391, 392. Wooten. Meets 9:30-11:20 M, Tu, W, Th.

## Dance

Department Head, M. Frances Dougherty, Ph.D., Professor (dance).

Christine Loken, M.A., Visiting Instructor (dance ethnology).

Mary Miller, Visiting Assistant Professor (dance therapy).

Pat Blok, Visiting Lecturer (T'ai Chi).

For independent work in Research, Thesis, and Reading and Conference, see page 19.

**Additional courses (June 18-July 12)****D 408. Survey Indian Classical Dance. (G) 3 credit hours.**

June 18-July 12. Movement theory and practice of Indian classical dance forms. Loken. Meets 8:30-10:20 M-F.

**D 408. Survey Indonesian Dance. (G) 3 credit hours.**

June 18-July 12. Movement theory and practice of Javanese and Balinese dance forms. Loken. Meets 11:30-1:20 M-F.

**D 406. Southeast Asian Dance Drama. (G) 3 credit hours.**

June 18-July 12. Survey of Indian and Southeast Asian drama dealing with interdependencies of music, literature, art, and dance. Loken. Meets 3:30-5:20 Tu, Th, plus laboratory.

**D 199. T'ai Chi Ch'uan. 1 credit hour.**

June 18-July 12. Principles and practice of form of Chinese exercise. Blok. Meets 10:30-11:20 M-F.

**D 408. Workshop: Movement Therapy. (G) 3 credit hours.**

June 18-July 12. Principles and techniques of psychomotor therapy. Prerequisite: upper division standing; consent of instructor. Miller. Meets 1:30-3:20 M-F.

**D 506. Problems.**

Credit hours to be arranged.

## Recreation and Park Management

Department Head, Phyllis M. Ford, Re.D., Professor (outdoor recreation, outdoor education).

Dale Lonheim, B.S., Visiting Lecturer (American Youth Hostels).

Larry L. Neal, Ed.D., Associate Professor (administration, supervision).

Robert P. Raus, Re.D., Assistant Professor (youth agencies, outdoor recreation).

For independent work in Research, Thesis, and Reading and Conference, see page 19.

**Eleven-week session (June 18-August 30)****RPM 409. Practicum: Agency Analysis. 3 credit hours.**

In conjunction with RPM 415. By arrangement, and with faculty permission. Staff.

**RPM 415. Supervised Field Study. 1-12 credit hours.**

Hours to be arranged. Department prerequisite: RPM majors with department approval. Staff.

**Eight-week session (June 18-August 9)****RPM 406. Credit to be arranged.**

Approval of department head is required.

**RPM 407. Natural Resources and Leisure. (G) 3 credit hours.**

Administration of natural resources at the national, state, local, and private levels, with emphasis on the understanding of how outdoor recreation affects and is affected by the resources and the management philosophy and policies of the management agencies. Ford. Meets 6:00-10:00 Monday evenings, plus field trips.

**RPM 407. Leisure in Contemporary Society. (G) 3 credit hours.**

Overview of impact of leisure on social institutions and challenge of educating for leisure. Neal. Meets 8:30 M, Tu, W, Th.

**RPM 407. Evaluating Leisure Services. (G) 3 credit hours.**

Methods, techniques, and application of evaluation in variety of functions normally found in leisure services; includes participants, programs, personnel, facilities, and organization. Neal. Meets 11:30 M, Tu, W, Th.

**RPM 407. Environmental Interpretation (I). (G) 3 credit hours.**

Introduction to observation and understanding of natural environment, and methods of interpretation to lay groups. Designed for teachers, youth leaders, and recreation programmers. Ford. Meets 1:30 M, Tu, W, Th, plus three all-day field trips on Friday.

**RPM 409. Practicum: Youth Agencies. 1-12 credit hours.**

By arrangement, and with faculty permission. Raus.

**RPM 409. Practicum: Park Planning. 1-12 credit hours.**

By arrangement, and with faculty permission. Raus.

**RPM 409. Practicum: Recreation Programs. 1-12 credit hours.**

By arrangement, and with faculty permission. Raus.

**RPM 409. Practicum: Outdoor Recreation. 1-12 credit hours.**

By arrangement, and with faculty permission. Ford.

**RPM 409. Practicum: Recreation for Special Groups. 1-12 credit hours.**

By arrangement, and with faculty permission. Raus.

**RPM 506. Problems.**

Credit to be arranged. Approval of department head is required.

**RPM 509. Practicum.**

Credit hours to be arranged.

**Additional courses****RPM 407. Seminar: Catalysts for Cooperation in Community Education. (G) 2 credit hours.**

June 13-15. Intensive course for all disciplines in human services and education; jointly sponsored by the School of Community Service and Public Affairs, the Northwest Regional Center for Community Education, the College of Education, and the College of Health, Physical Education, and Recreation. Emphasis on use of the community school as a resource center for all disciplines, agencies, and programs in the community. Concepts and skills in community education, problem-solving at neighborhood level, development of cooperative processes between the service disciplines. Materials and other resources from national, regional, and local levels on development, implementation, and future prospects for the community school. Interested persons are requested to pre-register by mail or in person with Professor Norman Sundberg, School of CSPA, 119 Hendricks Hall, by May 27. Sundberg, Fairchild, Warden, others. Meets 8:30-4:20 Th, F, Sat, other times to be arranged.

**RPM 408. Workshop: Management of Outdoor Sports. (G) 3 credit hours.**

Selected outdoor-related sports depending on natural resources. Need for organizing and sustaining interest in outdoor-related sports on a year-round basis for special groups or clubs under the sponsorship of public and private agencies. Review of skills, teaching techniques, safety, and selection of equipment. Meets 8:00-10:00 Friday evenings; 8:00-4:00 Sat; hours to be arranged Sun; June 28, 29, 30; July 12, 13, 14, and July 26, 27, 28. Raus.

**RPM 408. Workshop: American Youth Hostels Leadership. (G) 3 credit hours.**

June 10 thru 15. AYH National Leadership course to train leaders for outdoor recreation and educational travel programs. A fee of \$30.00 in addition to tuition is required and covers insurance, materials, some food, and some lodging. Application forms are available in advance. Deadline for applying is June 1. Lonheim. Meets 8:00 a.m.-11:00 p.m. Mon-Sat.

# School of Journalism

Dean, John W. Crawford, M.A., Professor (advertising).

Lee P. Bishop, Lecturer (broadcasting).

Jack D. Ewan, M.S., Associate Professor (public relations).

Kenneth T. Metzler, M.A., Associate Professor (news-editorial).

Karl J. Nestvold, Ph.D., Associate Professor (broadcasting).

Dean F. Rea, M.A., Associate Professor (news-editorial).

~~Theodore E. Schulte, B.A., Graduate Teaching Fellow (advertising).~~

Alyce R. Sheetz, M.A. Assistant Professor (news-editorial).

R. Max Wales, M.A., Professor (advertising, public relations).

Willis L. Winter, Jr., Ph.D., Associate Professor (advertising).

For independent work in Research, Thesis, and Reading and Conference, see page 19.

## Eight-week session (June 18-August 9)

### J 250. Journalistic Writing. 3 credit hours.

Offers prejournalism majors opportunity to review and to improve grammar, spelling, punctuation, and sentence structure. Introduction to journalistic practices associated with gathering information, taking notes, visual communication, and writing for various mass-media audiences. Laboratory exercises to develop practices and skills in various forms of journalistic writing. Typing proficiency required for admission to class. Rea. Meets 8:30 M, W; Laboratory A meets 9:30 M, W; Laboratory B meets 9:30 M, W.

### J 341. Principles of Advertising. 3 credit hours.

Survey course covering advertising as an institution, a tool of marketing, and a method of disseminating ideas. Open to anyone in University with interest in the field as a consumer, a professional in the communications-journalism business who wants a broad picture of the industry that pays his or her salary, or as a person seeking a career in the advertising world. Schulte. Meets 10:30 M, Tu, W, Th.

### J 407. Radio-Television Problems. (G) 3 credit hours.

Seminar to examine current problems and controversies in radio and television in the United States. Reports and term papers. Bishop. Meets 1:30-4:20 Mondays, plus field work.

### J 431. Radio-Television News (I). 3 credit hours.

Basic course in broadcast reporting, writing, and newscasting, with emphasis on radio news. Prerequisite: J 250. Nestvold. Meets 8:30 M, Tu, W, Th.

### J 468. Magazine Article Writing (I). (G) 3 credit hours.

Writing newspaper and magazine feature articles; book and movie reviewing for the mass media; study of the problems of marketing magazine and book manuscripts. Prerequisite: J 250. Instructor's consent required. Metzler. Meets 8:30 M, Tu, W, Th.

### J 506. Terminal Project.

Credit hours to be arranged.

### J 513. Theories of Mass Communication. 3 credit hours.

The communication process; audiences of the mass media; media competition; attitudes of communicators; functions and dysfunctions of media activities. Winter. Meets 8:30 M, Tu, W, Th.

## Additional courses

### J 408. Workshop for High School Yearbook Advisers. (g) 2 credit hours.

~~June 18-22. All aspects of producing a high-school yearbook, including writing, copy editing, page makeup, photography, and advertising. Sheetz. Meets 8:30-11:20 and 12:30-3:20 Tu, W, Th, F, Sat.~~

### J 408. Workshop: Public Relations—Real and Unreal Public Relations Expectations. (G) 3 credit hours.

July 8-13. A seminar for administrators, managers, public-relations practitioners, and students with at least one previous course in public relations. Study of decision-makers and priority observance in respect to public opinion and the mass media. Special emphasis on the time lag between public identification of an issue and institutional response. Wales. Meets 9:00-12:00 and 1:00-4:00, M-F, and 9:00-12:00 Sat.

### J 459. Principles of Public Relations. 3 credit hours.

June 18-July 12. Theory and practice of public relations as viewed by business, government, and civic organizations; study of mass media as publicity channels; role of the public-relations practitioner; public-relations departments and agencies. Prerequisite: Junior standing. Ewan. Meets 1:30-3:20 M, Tu, W, Th.

### J 520. Public Relations Planning and Administration. 3 credit hours.

June 18-July 12. Intended for graduate students in business, education, public affairs, and journalism majors. Each student constructs a comprehensive public-relations plan in own field of study. Open to seniors. Ewan. Meets 1:30-3:20 M, Tu, W, Th.

NOTE: The following courses are described here for the convenience of students interested in broadcasting. Credits earned in these courses may not be applied toward meeting the professional course requirements for majors in Journalism but will be applied toward meeting general requirements for Journalism degrees.

## Eight-week session (June 18-August 9)

### BC 241. Fundamentals of Broadcasting. 3 credit hours.

General survey of broadcasting in the United States. Factors relating to the physical bases, the origin and growth, the economics, social control, and influence of broadcasting will be considered. Kretsinger. Meets 8:30 M, Tu, W, Th.

### BC 341. Radio-Television Workshop. 3 credit hours.

Broadcast performance technique; physical, acoustic, and mechanical theory and its application; interpretive theory and its application. Nonmajors. Consent of instructor is required. Kretsinger. Meets 9:30 M, Tu, W, Th.

**BC 344. Television Workshop. 3 credit hours.**

Theory and practice of television broadcasting. Required of majors. Kretsinger. Meets 10:30 M, Tu, W, Th.

**BC 407. Seminar: Contemporary Issues in Broadcasting. (G) 3 credit hours.**

Elliott. Meets 11:30 M, Tu, W, Th.

**BC 407. Seminar: Communication & National Development. (G) 3 credit hours.**

Elliott. Meets 1:30 M, Tu, W, Th.

**BC 433. Theories of Mass Communication. (G) 3 credit hours.**

Emphasis on mass communication theory as the logical progression from intrapersonal and interpersonal communication theory. A critical analysis of the structure and functions of mass media considered in relation to several theories of mass communication. Analysis of the social context within which mass communication occurs. Elliott. Meets 9:30 M, Tu, W, Th.

**Additional courses****BC 508. Educational Television Workshop. 4 credit hours.**

Two sessions: June 18-July 12, or 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. Consent of instructor is required. Carroll and Sherriffs. Meets 1:30-5:20 M-F, first session. Meets 8:30-4:20 M-F, second session.

## School of Law

The University of Oregon School of Law will offer courses during the Summer Session, beginning June 10. The Summer Session is open to law students who have completed at least the first year of law school and who are in good standing at an accredited law school. The Summer Session is not open to beginning law students.

Application details, a detailed course description, and information on length of session may be obtained by communicating with Assistant Dean Fredric Merrill, University of Oregon School of Law.

The School of Law operates on a semester calendar. Registration for fall semester, 1974 academic year, will take place August 22-24, and classes will begin on August 26, 1974; fall semester examinations and the end of the semester will come before the Christmas vacation; spring semester will end May 16, 1975.

## School of Librarianship

Dean, Elizabeth Findly, A.M.L.S., Professor (reference, government publications).

Lavonne B. Axford, M.A., Visiting Assistant Professor (community college librarianship).

Robert A. Berk, M.S., Assistant Professor (special libraries, administration).

David C. Duniway, M.A., Visiting Professor (archives).

Ann E. Hall, M.L.S., Assistant Professor (technical processes).

Anne Kelly, M.S., Visiting Assistant Professor (government publications and references).

Perry D. Morrison, D.L.S., Professor (reference, academic library, research).

Ione F. Pierron, M.S., Associate Professor (public and academic libraries).

Claude L. Settlemyre, M.S., Director, Salem Public Library, Visiting Assistant Professor (public libraries).

Karen M. Wyant, M.L.S., Visiting Instructor (children's literature, storytelling).

For independent work in Research, Thesis, and Reading and Conference, see page 19.

**Eight-week session (June 18-August 9)**

NOTE: All courses taken for state certification must be graded.

**Lib 411. Organization of Library Materials. (G) 5 credit hours.**

Main entry, descriptive and subject cataloging, and cross reference. Classification and alternate methods of organizing print and nonprint materials. Making of analytics and filing of catalog cards. Nonconventional methods of organizing materials. Required core course. Hall. Meets 8:00-9:20 M, Tu, W, Th, with laboratory sections to be arranged.

**Lib 421. Reference Sources and Services. (G) 4 credit hours.**

Fundamental concepts of reference service in various kinds of libraries. Use and evaluation of basic reference materials, print and nonprint. Required core course. Morrison. Meets 9:30-11:20 M, W with discussion 9:30-10:20 Th, or 10:30-11:20 Th.

**Lib 432. Educational Media Centers. (G) 3 credit hours.**

Administration, organization, resources, and services of school libraries and media centers at the school-building and district level with emphasis on national and state standards of service. Prerequisite: Lib 411, 421, 442 and 445. Consent of instructor is required. Hall. Meetings to be arranged.

**Lib 442. Selection and Acquisition of Library Materials. (G) 3 credit hours.**

Introduction to collection-building in various media for all types of libraries, to basic selection aids, and to intellectual freedom. Required core course. Axford. Meets 2:30 M, Tu, W, Th.

**Lib 445. Multi-Media Librarianship. (G) 3 credit hours.**

The role of the school librarian and media specialist in identifying, evaluating, selecting, and facilitating the use of print and nonprint materials administered by media centers in support of the curricula of elementary and secondary schools. Prerequisite or concurrently: CI 435 and Lib 442. Meets 12:30 M, Tu, W, Th.

**Lib 451. Children's Literature (I). (G) 3 credit hours.**

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. Prerequisite: junior standing. Wyant. Meets 12:30 and 3:30 M, Tu, W, Th.

**Lib 458. Storytelling. (G) 3 credit hours.**

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. Prerequisite: junior standing. Consent of instructor is required. Wyant. Meets 11:30 M, Tu, W, Th.

**Lib 507. Seminar: Medical Librarianship. 3 credit hours.**

Survey of the development of medical school and hospital libraries in the United States. Emphasis on practical procedures in design, administration, and operation in the context of a national bio-medical information network. Consent of instructor is required. Berk. Meets 7:30 M, Tu, W, Th.

**Lib 507. Seminar: Libraries Abroad. 3 credit hours.**

Study of library systems of various sorts in developed and developing countries. Comparison of librarianship in other countries with one another and with the situation in the United States. Efforts of national and international agencies in world-wide library development. Consent of instructor is required. Morrison. Meets 2:30 M, Tu, W, Th.

**Lib 507. Seminar: Community College Librarianship. 3 credit hours.**

History and present status of multi-media library service in community colleges. Discussion of current issues facing this branch of librarianship in basic-education, technical-vocational, and academic-transfer aspects. Prerequisite: Lib 531. Consent of instructor is required. Axford. Meets 10:30 M, Tu, W, Th.

**Lib 509. Practicum. 3 credit hours.**

Supervised practical experience under the guidance of a professional librarian. Consent of instructor is required.

**Lib 523. Government Publications. 4 credit hours.**

United States federal and state publications, international and foreign government documents. Prerequisite: Lib 421. Kelly. Meets 8:30-10:00 M, Tu, W, Th.

**Lib 524. Reference Sources and Services (II). 2 credit hours.**

Advanced problems in reference services. Prerequisite: Lib 421, and one of the bibliography courses; the latter may be taken concurrently. Kelly. Meets 12:30-2:00 Tu, Th.

**Lib 533. Public Library. 3 credit hours.**

Government, goals, organization, finances, personnel, policies, and services of the public library. Prerequisite: Lib 411, 421, 442, 531. Lib 531 may be taken concurrently. Settlemire. Meets 3:30-5:20 Tu, Th.

**Lib 561. Literature of Humanities. 3 credit hours.**

The role of the humanities in contemporary society; survey of the development of the literature associated with humanities disciplines with emphasis on key figures, books, nonprint media, and terminology; problems associated with acquisition and handling of specialized resources. Prerequisite: Lib 411, 421, 442. Kelly. Meets 3:30-5:20 M, W.

**Lib 566. Adult Reading. 3 credit hours.**

Contemporary adult books, reading interests and habits of adults, reading guidance for adults, and public-library selection policies. Consent of the instructor is required. Prerequisite: Lib 442; may be taken concurrently. Pierron. Meets 10:00 M, Tu, W, Th.

**Lib 575. Contemporary Issues. 3 credit hours.**

The interaction between librarian, libraries, and professional associations and the changing economic, educational, political, social, and technological environments. Required core course. Prerequisite: 20 credit hours in librarianship, including Lib 411, 421, 442, 531. Pierron. Meets 11:30 M, Tu, W, Th.

**Lib 581. Introduction to Archives. 3 credit hours.**

Historical development of archival practices and problems; analysis of current trends in federal, state, local, business, church, and university archives. Archival processing, records-management procedures, accession, arrangement, storage; research use of archival source materials. Duniway. Meets 12:30-2:30 Tu, Th.

**Lib 590. Machine Applications in Librarianship. 3 credit hours.**

Study and design of file structure in libraries. Application of systems-analysis in formulation and execution of automated procedures using computers. Prerequisite: Lib 514, 531, CS 221, or consent of instructor. Berk. Meets 10:30 M, Tu, W, Th.

# School of Music

Dean, Robert M. Trotter, Ph.D., Professor.  
 Associate Dean, H. Royce Saltzman, D.M.A., Professor.  
 Peter Bergquist, Ph.D., Professor (music history, bassoon).  
 Francis W. Bittner, M.A., Professor (piano).  
 Leslie T. Breidenthal, A.Mus.Doc., Associate Professor (voice).  
 J. Robert Hladky, A.Mus.D., Professor (strings).  
 Ira D. Lee, M.Mus.Ed., Professor (brass).  
 Gary M. Martin, Ph.D., Associate Professor (music education).  
 James A. Miller, A.Mus.D., Associate Professor (comparative arts, voice, choral music).  
 Harold Owen, D.M.A., Associate Professor (music history, scoring).  
 Helmuth Rilling, Visiting Conductor-Lecturer, State Academy of Music, Frankfurt, Germany (choral and orchestral music).  
 Richard Trombley, M.Mus., Associate Professor (music history, flute).  
 Monte Tubb, M.A., Associate Professor (musicianship, scoring, composition).  
 Robert S. Wagner, M.Mus., Professor (band, woodwinds).  
 Virginia J. Whitfield, Ed.D., Professor (music education).  
 Neil Wilson, Ph.D., Professor (choral music, conducting).

For independent work in Research, Thesis, and Reading and Conference, see page 19.

## Music

**Eight-week session** (June 18-August 9)

### **MuP 171-191. Performance Studies (Studio Instruction). 1-2 credit hours.**

(Formerly Mus 190) Instruction in technical and stylistic aspects of artistic solo performance. Students specializing in performance normally enroll for two half-hour lessons a week (2 credit hours) in their principal instrument each term during their undergraduate years. Maximum credit in performance studies for nonmajors, 12 credit hours; for not more than 12 hours during freshman and sophomore years. Information concerning requirements at each level of proficiency (MuP 171-191 series through MuP 671-691 series) may be obtained in the School of Music office. Prerequisite: audition.

|                       |                     |
|-----------------------|---------------------|
| Piano—Bittner         | Bassoon—Bergquist   |
| Voice—Breidenthal     | Clarinet—Wagner     |
| Cello/Bass—Hladky     | Flute/Oboe—Trombley |
| Brass Instruments—Lee |                     |

### **Mus 195. Band. 1 credit hour.**

Upper-division students enroll in Mus 395. Prerequisite: audition, consent of instructor. Wagner. Meets 12:30-1:20 M, Tu, W, Th.

### **MuP 271-291. Performance Studies (Studio Instruction). 1-2 credit hours.**

(Formerly Mus 290) Prerequisite: proficiency required for satisfactory completion of instruction at the level MuP 171-191. For further information, see MuP 171-191.

### **Mus 321. Music Fundamentals. 2 credit hours.**

Study of musical notation and terminology; rudiments of sight singing and ear training; introduction to simple melodic and rhythmic instruments. Designed to provide students without previous musical training with some insight into musical language and basic performance skills. Not open to music majors. Required in the elementary education program and for majors in recreation leadership and in camping and outdoor education. Lecture meets 11:30-12:20 M, W; laboratory meets 11:30-12:20 Tu, Th.

### **MuP 341-361. Performance Studies (Studio Instruction). 1-2 credit hours.**

(Formerly Mus 391) Prerequisite: successful completion of instruction at the level MuP 271-291. For further information, see MuP 171-191.

### **MuP 371-391. Performance Studies (Studio Instruction). 2-4 credit hours.**

(Formerly Mus 390) Prerequisite: proficiency required for satisfactory completion of instruction at the level of MuP 271-291. For further information, see MuP 171-191.

### **Mus 394. Chamber Ensemble. 1 credit hour.**

Study of music through small group rehearsal. For stringed-instrument and wind-instrument players, percussionists, pianists, and singers. Audition, or consent of instructor is required. May be repeated for maximum of 6 hours credit. Hladky.

### **Mus 395. Band. 1 credit hour.**

Prerequisite: upper-division standing; audition; may be repeated for 6 hours maximum credit. Wagner. Meets 12:30-1:20 M, Tu, W, Th.

### **Mus 439. Scoring for Voices. (G) 3 credit hours.**

Techniques of arranging for various types of choral groups at the secondary and college levels, both accompanied and a cappella. Consent of instructor is required. Owen. Meets 8:30-9:20 M, Tu, W, Th.

### **MuP 471-491. Performance Studies (Studio Instruction). 2-4 credit hours.**

(Formerly Mus 490) Prerequisite: proficiency required for satisfactory completion of instruction at the level MuP 371-391. For further information, see MuP 171-191.

### **Mus 493. Collegium Musicum. (G) 1 credit hour.**

Study of music repertoire of the medieval, Renaissance, and Baroque periods through rehearsals and extensive sight reading; vocal and instrumental repertoire. Consent of instructor is required. Owen. Meets 6:30-8:00 Tu, Th evenings.

### **Mus 507. Seminar: Classic Symphony. 3 credit hours.**

Study in detail of the symphony from 1740-1825 with concentration on the work of Haydn, Mozart, and Beethoven. Consent of instructor is required. Meets 9:30-10:20 M, Tu, W, Th.

**Mus 511. Research Methods in Music. 3 credit hours.**

The use of general bibliographical sources and reference materials in music. Bergquist. Meets 10:30-11:20 M, Tu, W, Th.

**MuP 511-539. Performance Studies (Studio Performance). (p) 1 credit hour.**

(Formerly Mus 592) Beginning study for graduate students in a secondary performance medium. For details, see MuP 171-191. Consent of instructor is required. Prerequisite: jury audition in the primary performance medium to demonstrate proficiency required for admission to MuP 341-369 or MuP 371-398. May be repeated for maximum of 3 credit hours.

**MuP 541-569. Performance Studies (Studio Instruction). 1-2 credit hours.**

(Formerly Mus 591) Graduate-level study for degree candidates specializing in other than performance. For details, see MuP 171-191. Consent of instructor is required. Prerequisite: jury audition to demonstrate proficiency required to complete MuP 271-291. May be repeated for maximum of 6 credit hours.

**MuP 571-591. Performance Studies (Studio Instruction). 2-4 credit hours.**

(Formerly Mus 590) Master-level study for master-degree candidates specializing in performance. For details, see MuP 171-191. Consent of instructor is required. Prerequisite: jury audition to demonstrate proficiency required to complete MuP 471-491; sufficient talent and experience to justify the undertaking of performance as a supporting area.

**Mus 589. Performance Practices Before 1800. 3 credit hours.**

Introduction to seventeenth- and eighteenth-century performance practices; investigation of primary sources; comparative study of recorded examples; preparation of a performing edition; class demonstrations. Trombley. Meets 12:30-1:20 M, Tu, W, Th.

**Mus 594. Chamber Ensemble. 1 credit hour.**

See Mus 394 for additional information.

**Mus 595. Band. 1 credit hour.**

Consent of instructor is required. Vagner. Meets 12:30-1:20 M, Tu, W, Th.

**MuP 641-661. Performance Studies (Studio Instruction). 1-4 credit hours.**

(Formerly Mus 691) Prerequisite: sufficient talent and experience to justify undertaking performance studies as a supporting area for the Doctor of Music Arts degree; jury audition.

**MuP 671-691. Performance Studies (Studio Instruction). 2-4 credit hours.**

(Formerly Mus 690) Prerequisite: sufficient talent and experience to justify undertaking performance studies as a primary area for the Doctor of Musical Arts degree; jury audition.

**Additional courses****Mus 407. Exploring World Music. (G) 2 credit hours.**

July 15-July 26. Developing acquaintance with European-American folk musics, Asian and African musics, and popular and esoteric music since 1960; analyzing and evaluating performances of these, and exploring their relationship to a global culture. Trotter. Meets 1:30-3:20 M-F.

**Mus 467. Solo Vocal Music. (G) 2 credit hours.**

June 18-July 12. Solo songs for the beginning and intermediate singer; development of bases for artistic performance and sound critical judgment through study of text, voice, and accompaniment. Miller. Meets 10:30-12:20 M, Tu, W, Th.

**Mus 508. Workshop: Vocal Solo Technique and Interpretation. 2 credit hours.**

July 22-August 2. Performance practice, interpretation, analysis, and pedagogy for the advanced singer. Emphasis on repertoire from the Baroque and Classic periods. Guest artists included as lecturers. Consent of instructor is required. Miller. Meets 3:30-5:20 M, Tu, W, Th.

**Mus 508. Workshop: Choral Repertoire of Classical Period. 1-3 credit hours.**

July 15-August 2. Analysis and interpretation of choral music from the Classical period with emphasis on the masses of Mozart and the secular choral music of Haydn. Observers may earn 1 credit hour. Consent of instructor is required. Rilling. Meets 9:30-11:20 M, Tu, W, Th, Room 129.

**Mus 508. Workshop: Advanced Choral Conducting. 1-3 credit hours.**

July 15-August 2. Advanced beating technique; rehearsal and performance procedures; class performance with soloists, choir, and instrumentalists of Mozart masses and secular choral music of Haydn. Observers may earn 1 credit hour. Consent of instructor is required. Saltzman, Rilling. Meets 1:30-3:20 M, Tu, W, Th, Recital Hall.

**Mus 508. Workshop: Choral Performance of Bach, Mozart, and Haydn. 1-3 credit hours.**

July 15-August 2. The study and performance of the *Vespers de Dominica* and *Requiem* of Mozart; the *Paukenmesse*, Haydn; and selected cantatas of J. S. Bach. Acceptance in the choir is by audition with membership limited to about 55 singers. Observers may earn 1 credit hour. Consent of instructor is required. Rilling. Meets 7:00-10:00 M-F evenings.

**Mus 508. Workshop: Instrumental Music of Bach, Mozart, and Haydn. 1-3 credit hours.**

July 15-August 2. Study and performance of instrumental music of Bach, Mozart, and Haydn. Repertoire will also include the performance of the *Vespers de Dominica* and *Requiem*, Mozart; *Paukenmesse*, Haydn; and several Bach cantatas. Acceptance is by audition. Rilling. Meets 3:30-5:20 M, Tu, W, Th.

## Music Education

**Eight-week session (June 18-August 9)****MuE 383. Music Methods for Elementary Teachers. 3 credit hours.**

Planning and organizing musical activities for elementary-school children. Required for elementary-education majors; enrollment limited to elementary majors only. Knowles. Meets 9:30-10:20 M, Tu, W, Th.

**MuE 407. Learning Styles in Teaching. (G) 3 credit hours.**

The examination of various learning styles and the design of teaching strategies to help discover and use these approaches to learning. Emphasis on guidelines for individualizing instruction and the planning of successful musical experiences. Knowles. Meets 11:30-12:20 M, Tu, W, Th.

**MuE 427. The General Music Program: Secondary. (G) 3 credit hours.**

Objectives, procedures, instructional materials, and evaluation of music programs for the general student in both junior and senior high schools. Whitfield. Meets 12:30-1:20 M, Tu, W, Th.

**MuE 507. Seminar: Music Education. 3 credit hours.**

Required of candidates for Master of Music with a major area in music education. Consideration of current concerns in music education with emphasis on identification and concentrated study of individual interests of students. Prerequisite: MuE 532. Whitfield. Meets 8:30-9:20 M, Tu, W, Th.

**Additional courses****MuE 407. Seminar: Techniques in Percussion. (G) 1 credit hour.**

July 1-5. Designed for the junior and senior high-school band director; study of intermediate and advanced techniques for concert and stage bands; presentation of teaching materials. Meets 1:30-4:20 M, Tu, W, Th.

**MuE 407. Seminar: Techniques in Saxophone. (G) 1 credit hour.**

July 8-12. Designed for the junior and senior high-school band director; study of intermediate and advanced techniques for concert and stage bands; presentation of teaching materials. Meets 1:30-4:20 M, Tu, W, Th.

**MuE 407. Seminar: Techniques in Low Brass. (G) 1 credit hour.**

July 15-19. Designed for the junior and senior high-school band director; study of intermediate and advanced techniques for concert and stage bands; presentation of teaching materials. Lee. Meets 8:30-9:20 and 1:30-2:20 M-Th, plus 2 hours of laboratory.

**MuE 407. Seminar: Choral Laboratory—Conducting and Repertoire. (G) 3 credit hours.**

June 18-July 12. Emphasis on repertoire for the secondary school choir; conducting techniques; rehearsal procedures. Wilson. Meets 3:30-5:20 M, Tu, W, Th.

**MuE 408. Workshop: Comparative Arts in the Junior and Senior High School. (G) 2 credit hours.**

June 18-28. Examination of materials and techniques useful in teaching the related arts to students in junior and senior high school. Miller. Meets 1:30-3:20 M-F.

**MuE 408. Workshop: Literature for Band-Wind Ensembles. (G) 3 credit hours.**

July 15-26. Emphasis on band and symphonic wind ensemble repertoire; reading, discussion, and cataloguing of significant repertoire for larger wind groups; includes music for junior high, senior high, and college bands. Vagner. Meets 2:30-5:20 M, Tu, W, Th and 9:00-12:00 Fridays plus 5 hours of laboratory.

**MuE 408. Workshop: Beginning Guitar. (G) 3 credit hours.**

June 18-July 12. Class and small group instruction designed for learning to play simple song accompaniments in various meters, modes, and keys. Students must furnish their own guitar. Tubb. Meets 3:30-5:20 M, Tu, W, Th.

**MuE 408. Workshop: Teaching Students An Understanding of Notation. (G) 2 credit hours.**

July 1-12. A direct and clear sequence of teaching procedures designed to help students understand and utilize musical notation. For use in junior and senior high schools. Tubb. Meets 1:30-3:20 M-F.

**MuE 408. Workshop: Classroom Use of Electronic Media. (G) 3 credit hours.**

July 15-August 9. Exploration of electronic media and their application to classroom use; projects involving synthesizers, tape recorders, and other electronic sound equipment. Owen. Meets 10:30-12:20 M, Tu, W, Th.

**MuE 507. Seminar: New Trends in Music Education. 3 credit hours.**

June 18-July 12. Required of doctoral candidates whose primary area is Music Education. Explores new projects, ideas, and philosophies in music education. Includes study of IMPACT, the CMP, Juilliard Report, the MMCP, trends in college curricula, the music laboratory as new structure for learning. Martin. Meets 10:30-12:20 M, Tu, W, Th.

**MuE 532. Basic Concepts in Music Education. 3 credit hours.**

July 15-August 9. Principles and issues in the teaching of music; recent history of concepts basic to music education today. Implications of recent developments. Martin. Meets 8:30-10:20 M, Tu, W, Th.

## University of Oregon Officers of Administration

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 Executive Dean, John E. Lallas, Ed.D.  
 Assistant to the President, Muriel K. Jackson, M.S.  
 Assistant, Legal Affairs, David B. Frohnmayer, J.D.  
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- 
- ~~Dean, College of Business Administration, Richard R. West, Ph.D.~~  
 Dean, School of Health, Physical Education, and Recreation, Lynn S. Rodney, Ph.D.  
 Dean, School of Journalism, John W. Crawford, M.A.  
 Dean, School of Law, Eugene F. Scoles, J.D., LL.M., J.S.D.  
 Dean, School of Librarianship, Elizabeth Findly, A.M.L.S.  
 (Herman L. Totten, Ph.D., appointment effective July 1)  
 Dean, School of Music, Robert Trotter, Ph.D.  
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## Oregon State System of Higher Education

The Oregon State System of Higher Education was organized in 1932. Member institutions are independent elements of an integrated system. The educational program is organized to distribute as widely as possible throughout the state the opportunities for general education, and to center on a particular campus specialized, technical, and professional curricula closely related to one another.

The institutions of the State System of Higher Education are the University of Oregon at Eugene, Oregon State University at Corvallis, Portland State University at Portland, Oregon College of Education at Monmouth, Southern Oregon College at Ashland, Eastern Oregon State College at La Grande, and Oregon Institute of Technology at Klamath Falls. The University of Oregon Medical School, Dental School, and School of Nursing are located in Portland. The Divisioning of Continuing Education has offices in Ashland, Corvallis, Eugene, La Grande, Portland, Roseburg, Salem, Astoria, and Coos Bay.

## State Board of Higher Education

|   | Term ends |
|---|-----------|
| George H. Layman, Newberg; President    | 1976      |
| John W. Snider, Medford; Vice-President | 1975      |
| George H. Corey, Pendleton              | 1975      |
| Robert D. Holmes, Portland              | 1977      |
| Elizabeth H. Johnson, Redmond           | 1974      |
| Philip A. Joss, Portland                | 1976      |
| John D. Mosser, Portland                | 1976      |
| Loran L. Stewart, Eugene                | 1977      |
| Edward G. Westerdahl II, Portland       | 1973      |
| Valerie McIntyre, UO Student, Eugene    | 1975      |
| Marc Maden, PSU Student, Portland       | 1974      |
| Roy E. Lieuallen, Chancellor            |           |
| Donald R. Larson, Secretary of Board    |           |
| Office of the Board of Higher Education |           |
| Post Office Box 3175                    |           |
| Eugene, Oregon 97403                    |           |

Board members are appointed to four-year terms by the Governor of Oregon with confirmation by the State Senate.

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**One of the best things** about enrolling in University of Oregon Summer Session is spending the summer in Oregon. Eugene has warm days, cool nights, and almost unlimited sources of recreation. It's slightly more than an hour's drive to either the Pacific Ocean or the Cascade mountains, and Portland is just 100 miles to the north.

For the weekend traveler or vacationer, the entire state of Oregon offers both natural scenic beauty and a variety of community-sponsored activities that include traditional festivals, rodeos and fairs as well as such offbeat events as the threshing bee at Dufur and raft races on the Siletz River. Since many Summer Session classes do not meet on Friday, students can enjoy several weekend treks to other parts of the state.

For maps, guides or other information about local, county, or state recreation, address requests to :

Eugene Chamber of Commerce  
P.O. Box 1107  
Eugene, Oregon 97401

Eugene Parks & Recreation  
777 Pearl Street  
Eugene, Oregon 97401

Lane County Park Department  
Courthouse Annex  
135 East 6th Avenue  
Eugene, Oregon 97401

Travel Information  
State Highway Division  
Salem, Oregon 97310

# Summer in Oregon



**Even if the gas shortage** makes it difficult to wander off campus there are plenty of University sponsored activities to occupy Summer Session students' out-of-class hours.

The Erb Memorial Union, besides serving as a central gathering place for meetings, coffee hours and meals, offers a variety of films, lectures, concerts, and game tournaments during the summer. It sponsors folk dancing, a bowling league, bridge and chess sessions, and for the first time this summer will provide a crafts center for use by the campus community. The downstairs EMU recreation area contains bowling alleys, billiard tables, and table tennis facilities.

The resources of the University's School of Health, Physical Education and Recreation are available to students, including many open and covered tennis courts, two swimming pools, handball courts, and two gymnasiums and their equipment.

**The campus pace is leisurely during Summer Session.** Out-of-class hours may be spent relaxing with coffee on the terrace of a nearby restaurant, or playing a few fast sets on one of the University's many outdoor or covered courts. Two students prepare (below) to innertube their way down the Willamette River near the footbridge that connects the campus with Alton Baker Park.





Outdoor Program excursions may take participants to the Three Sisters Wilderness area (above) or to the Deschutes River (below) both in central Oregon, or to the edge of campus for a raft trip down the Willamette River under the footbridge.



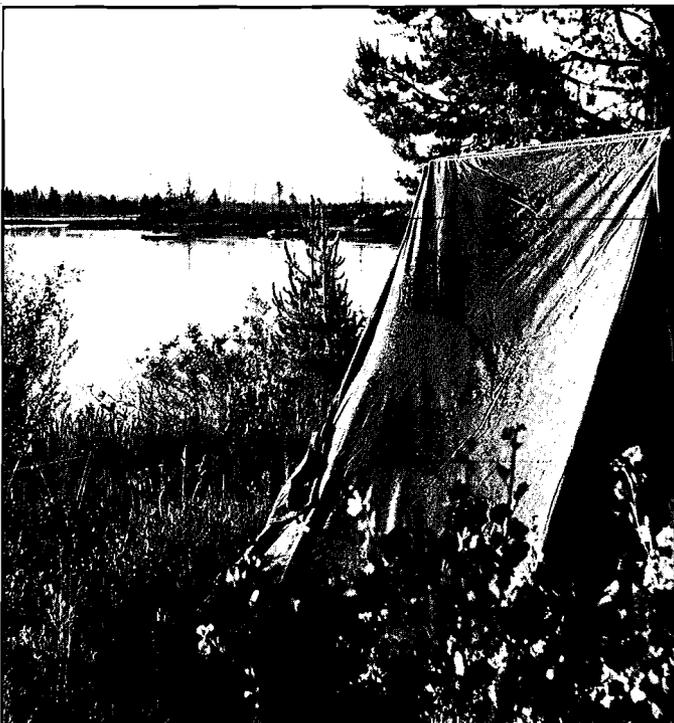
The University's Outdoor Program maintains a recreational and educational center for those who enjoy outdoor life. It provides opportunities for inexpensive outdoor activities for people of all ages in the Eugene community, ranging from day-long hikes and bicycle trips to mountaineering and river expeditions that may last for weeks.

Among the many summer outdoor activities sponsored by the Program are rock and snow climbing, backpacking, sailing, canoeing and kayaking, white-water sports, bicycle touring, photography, and environmental education. There is something appropriate for each age and level of skill, and the experienced sailors and climbers are always willing to share their knowledge with the less skilled.

During the summer there are five or more day trips planned each week, and three or four longer excursions are planned each weekend to nearby river, mountains, or the coast. Most of the Outdoor Program's activities are offered on an informal nonstructured basis. Events are posted on a large bulletin board in the Center (Room 23 of the Erb Memorial Union). Each sign-up sheet lists the trip, date, time, cost, and needed equipment, and a pre-trip meeting is scheduled for each event so participants can cooperate in planning.

Equipment and transportation problems are easily solved, even for the short term visitor to the campus. The EMU maintains an Outdoor Resource Center which sells and rents outdoor equipment. The program provides an equipment workshop and repair area, a sewing shop, and photographic lab for those who lack space and tools. Transportation is usually by private car, but participants share rides and expenses.

For more information about the University of Oregon Outdoor Program or for a copy of *Cooperative Wilderness Adventures*, a description of summer wilderness trips sponsored by Outdoor Programs in other states and Canada, address a request to Outdoor Program, Room 23 EMU, University of Oregon, Eugene, Oregon 97403.



**The Eugene community** accommodates many artists and art lovers. The University of Oregon Museum of Art is open daily except Monday from 12:00 noon to 5:00 p.m. during the eight-week Summer Session. Originally devoted exclusively to Oriental art, the Museum now houses a permanent collection of art of the Pacific Basin and works of contemporary Northwest and American artists.

Main floor galleries are devoted to visiting or special exhibitions and there is a small photographic gallery as well as a Rental-Sales Gallery and Museum Shop on the first floor. A special gallery featuring work of local artists is on the top floor. This summer the museum will feature an exhibition of figurative works from the museum collection. No admission fee is charged at the museum.

Art exhibits also may be viewed on the campus in the gallery of the Erb Memorial Union and at the School of Architecture and Allied Arts. There is a gallery at the Maude I. Kerns Community Art Center, which for reasonable fees offers complete series of classes and workshops in many media for both children and adults. The Center is located a few blocks from campus.

**Carnival Theater**, a summer repertory company, replaces the University Theater during the Summer Session, staging from six to eight productions during the season. The repertoire consists of comedy, drama, and musical productions, with performances offered almost nightly, in the Carnival tent adjoining the campus' University Theater. The Carnival Children's Theater also presents a special daytime program of children's plays.

Some 50 persons make up the semi-professional Carnival company. Some actors and production artists are fully professional, others are graduate students with summer fellowships. Both regularly enrolled students and qualified Eugene area residents are invited to participate. Auditions are open particularly to students. Those who wish to involve themselves heavily with Carnival Theater associated course-work during the 1974 season should be in touch with the Director of Carnival Theater well before enrollment time. Special attention will be paid to theater and drama teachers who wish extensive production participation.



Inquiries about the season should be addressed to Pierre Dunn, Business Manager, with questions about participation and/or the academic program for the Summer Session going to Faber DeChaine, Managing Director of Carnival Theater.

Off-campus, live theater productions are abundant during the summer. From June 15 through September 15 the Oregon Shakespearean Festival in Ashland (200 miles south of Eugene) presents four Shakespearean plays in nightly rotation, with matinee performances on weekends. Two other productions are shown in the indoor Angus Bowner Theater. Between June 17 and July 27 the Festival's Institute of Renaissance Studies in Ashland will sponsor three two-week courses, each focusing on two of the summer's plays, and emphasizing the drama's relationship to history, philosophy, or music. More information about these courses is available from Dr. Arthur Kreisman, Dean of Arts and Sciences, Southern Oregon College, Ashland, Oregon 97520.

Closer to home, the Lane County Auditorium Association sponsors a single professionally polished musical in Eugene during the month of August, and Theater at Large offers a series of supper shows.

Though these are the major companies, smaller groups also produce a variety of plays for short runs in the community.

**The UO School of Music** is the source of much musical enrichment for the community. A highlight of this summer season is the annual Summer Festival of Music, featuring organ, chamber, orchestral and choral performances of J. S. Bach, Mozart, and Haydn directed by the noted German conductor and scholar, Helmuth Rilling. The Festival dates are July 26 to August 4.

The School sponsors almost daily concerts during the summer, including instrumental and vocal soloists and full orchestra and band, many of them free of charge. Jazz and rock concerts and other popular musical events are presented under the auspices of the EMU on the campus, and through local sponsorship in the community.

In Jacksonville, a small historic community 220 miles south of Eugene, the Peter Britt Music and Arts Festival is a popular annual event. An orchestra of some 50 musicians, primarily from Western states, performs in the quiet natural wooded setting of the Peter Britt estate. Dates this year are August 9 through August 24.



The carved ivory figure of the boy with turtles (opposite page) is one of the figurative works from the Museum of Art's permanent collection to be shown during this summer. Helmuth Rilling, (above, right) noted choral conductor, will again return to the campus to direct the Summer Festival of Music. Carnival Theater players (below) are shown in a scene from one of last year's productions.

**Eugene and Springfield** make up a metropolitan area of more than 150,000 people. Main shopping areas are the Mall in downtown Eugene and Valley River Center, with smaller shopping centers near the campus and in outlying neighborhoods. During the summer months local artists and craftsmen display and sell their wares weekly at a popular Saturday Market.

The city of Eugene maintains tennis courts, swimming and wading pools, and golf courses. The local parks and recreation department operates some three dozen facilities, including natural park sites, neighborhood community centers, playing fields, and playgrounds.

Some half-dozen miles of bicycle paths are maintained in the local park areas. A favorite stretch is the one located in Alton Baker Park across the Willamette River from the campus. A footbridge makes the park easily accessible from the University and makes it possible for students who live in Springfield to cycle to classes

Canoeing on the Millrace which runs through the northern portion of the campus, or boating or swimming in the nearby Willamette River are popular pastimes during the summer.

For those who choose to travel a little farther from campus, Lane County's seacoast and unspoiled streams and lakes are all invitations to swim, fish, sail, and engage in water sports. Its parks and wilderness areas are ideal for picnics, short hikes or longer camping trips. Many county and state parks are located in the county.

The pioneer kitchen is one of several rooms that have been recreated in the Lane County Pioneer Museum located on the fairgrounds in Eugene. Local residents and visitors always enjoy the glimpses they get at the Museum of early days in Oregon. A few miles west of Eugene, Fernridge Dam is a target area for picnickers, swimmers, water-skiiers and sailors (below). Eugene is about an hour's drive from the Pacific Ocean with opportunities for fishing, beachcombing, or taking solitary walks along its rugged coast (right, below).

