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SUMMER SESSION

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UNIVERSITY OF OREGON



OREGON STATE SYSTEM OF HIGHER EDUCATION

UNIVERSITY  
OF OREGON  
SUMMER  
SESSION

1958 CATALOG

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EUGENE, OREGON

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## Oregon State System of Higher Education

The Oregon State System of Higher Education, as organized in 1932 by the Oregon State Board of Higher Education following a survey of higher education in Oregon by the United States Office of Education, includes all the state-supported institutions of higher education. The several institutions are elements in an articulated system, parts of an integrated whole. The educational program is so organized as to distribute as widely as possible throughout the state the opportunities for general education and to center on a particular campus specialized, technical, and professional curricula closely related to one another.

The institutions of the Oregon State System of Higher Education are the University of Oregon at Eugene, Oregon State College at Corvallis, Portland State College at Portland, Oregon College of Education at Monmouth, Southern Oregon College at Ashland, and Eastern Oregon College at La Grande. The University of Oregon Medical School and the University of Oregon Dental School are located in Portland. The General Extension Division, representing all the institutions, has headquarters in Portland and offices in Eugene, Corvallis, Ashland, and La Grande.

Each of the institutions provides the general studies fundamental to a well-rounded education. At Oregon College of Education, Southern Oregon College, Eastern Oregon College, and Portland State College, students who do not plan to become teachers may devote their time to general studies or semiprofessional work.

At the University of Oregon and Oregon State College two years of unspecialized work in liberal arts and sciences are provided on a parallel basis in the lower division. Major curricula, both liberal and professional, are grouped on either campus in accordance with the distinctive functions of the respective institution in the unified Oregon State System of Higher Education.

An interinstitutional booklet, *Your Education*, which outlines the curricula of the several institutions and contains other information concerning the State System, is available. For a copy, write to Division of Information, Oregon State Board of Higher Education, Eugene, Oregon.

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# University of Oregon

## Summer Session 1958

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GUSTAVE ALEF, Ph.D., Instructor in History.  
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RENA A. BARSANTI, M.S., Instructor in Physical Education.  
RALPH W. BASSETT, A.B., Assistant Supervisor of Language Arts, Portland, Oregon, Public Schools; Visiting Consultant in Foreign Languages.  
CHARLES BECHTOL, M.D., Orthopaedic Consultant, U.C.L.A. Football Team; Visiting Professor of Physical Education.  
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- CLARENCE HINES, D.Ed., Superintendent of Schools, Eugene, Oregon; Visiting Professor of Education.
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- MARGARET HOCKER, M.A.L.S., Assistant Professor of Library Science, Wisconsin State Teachers College; Visiting Assistant Professor of Library Science.
- VERNA B. HOGG, M.S., Consultant on Education of Children with Psychological Problems, Oregon State Department of Education; Visiting Professor of Education.
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- KENNETH I. KIENZLE, M.S., South Eugene High School, Eugene, Oregon; Visiting Instructor in Education.
- PAT A. KILLGALLON, D.Ed., Professor of Education; Director of Reading Clinic.
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 DON E. LOW, M.B.A., Assistant Professor of Business Administration, General Extension Division.  
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 WILLIAM E. LUCHT, Ph.D., Instructor in English.  
 JAMES A. MACNAB, Ph.D., Professor of Biology, Portland State College; Visiting Professor of Biology.  
 FARRELL D. MADSEN, D.Ed., Instructor in Education; Head of Music Department, South Eugene High School.  
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 BAYNARD H. McCONNAUGHEY, Ph.D., Assistant Professor of Biology.  
 LLOYD F. MILLHOLLEN, JR., D.Ed., Assistant Superintendent of Schools, Eugene, Oregon; Visiting Associate Professor of Education.  
 R. CLIFFORD MOFFITT, M.A., Supervisor of Secondary Education, Oregon State Department of Education; Visiting Assistant Professor of Education.  
 ERNEST G. MOLL, A.M., Professor of English; Acting Head, Department of English.  
 HOWARD MOLTER, M.D., Orthopaedic Consultant, University of Oregon Football Team.  
 ELIO D. MONACHESI, Chairman, Department of Sociology, University of Minnesota; Visiting Professor of Sociology.  
 KIRT E. MONTGOMERY, Ph.D., Associate Professor of Speech.  
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 ROBERT O. OFFICER, B.S., Athletic Trainer; Instructor in Physical Education.  
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GERALD PATTERSON, Ph.D., Assistant Professor of Psychology.  
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- MILDRED H. WILLIAMS, D.Ed., Assistant Professor of Education; Head of Social Studies Department, South Eugene High School.
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- BERTRAM YOOD, Ph.D., Associate Professor of Mathematics.
- PAUL YOUNG, Ed.D., Elmhurst, Illinois; Visiting Professor of Education.

## Summer Session Calendar

- JUNE 23. Registration.
- JUNE 24. Classes begin.
- JUNE 25. Last day for payment of registration fee without penalty.
- JULY 2. Last day to add a course.
- JULY 4. Independence day, holiday.
- JULY 18. Last day to withdraw from a course.
- JULY 21. Last day to file doctor's theses.
- JULY 31. Last day to file master's theses.
- AUGUST 13. Last day for master's and doctor's oral examinations.
- AUGUST 14-15. Final summer session examinations.

## The Summer Program

The fifty-fourth annual summer session of the University of Oregon will be organized as a single session of approximately eight weeks between June 23 and August 15, 1958.

### Undergraduate Work

A large selection of lower-division courses will be offered in the 1958 summer session; these courses will be closely integrated with course sequences offered during the regular academic year, so that students may make steady progress toward the completion of lower-division requirements. Certain courses are planned especially for students intending to enter medical or dental schools or schools of nursing.

Students who are nearing graduation will find in the summer session an excellent opportunity to complete upper-division requirements for a degree.

**Admission as an Undergraduate.** The only requirement for admission to the summer session is ability to do the work. However, students who wish to become candidates for a degree from the University must satisfy the regular University admission requirements. As early as possible before the opening of the summer session, such students should file with the University Director of Admissions complete official transcripts covering all school work taken above the eighth grade. Specific requirements are listed in the general University Catalog.

### Graduate Work

Many summer courses are especially planned for graduate students; all of the work for the master's degree may be completed in summer sessions.

**Admission.** A bachelor's degree from an accredited institution is prerequisite to registration as a graduate student. To earn credit toward an advanced degree at the University of Oregon, the student must clear his admission with the Director of Admissions before registering, preferably before coming to the campus.

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

**Credit Requirements.** For the departmental masters' degree the University requires a program of study of not less than 45 term hours, with a minimum of 30 term hours in the major subject. No major is required for the degrees of M.A. in General Studies and M.S. in General Studies.

**Grade Requirements.** An accumulation of 9 term hours with grades below B in the student's major field disqualifies him for further graduate work toward the master's degree. To be eligible for a master's degree, a student must present 45 term hours of graduate work with grades of A or B.

**Residence Requirement.** Three terms of residence are required for the master's degree. A maximum of 15 term hours (one term) earned in other divisions of the Oregon State System of Higher Education is accepted toward the satisfaction of this requirement for the M.A. or M.S. degree. For the M.A. in General Studies and the M.Ed., a maximum of 33 term hours of work may be completed in the extension centers of the State System.

**Transferred Credit.** Not more than 15 term hours of credit may be transferred from another institution toward the master's degree. Transferred credit is provisional until the qualifying examination is taken, and does not shorten the residence requirement, except as noted above.

**Time Limit.** It is expected that all work for the master's degree, including work for which credit is transferred, thesis, and final examination, will be completed within a period of seven years.

**Qualifying Examination and Program.** During the first term of work toward the master's degree, the student should file a tentative program, planned in conference with his major adviser. It is expected that the qualifying examination will be taken during the first term of residence, or before 15 term hours have been earned.

**Admission to Candidacy.** A graduate student is admitted to candidacy for an advanced degree only after he has passed his qualifying examinations. At least 12 term hours of graduate work must be completed after admission to candidacy.

**Maximum Course Load.** The maximum summer course load for a graduate student is 13 term hours; 12 term hours is considered a normal load.

**Thesis Registration.** All graduate students working for an advanced degree for which a thesis is required must register for Thesis (503). The candidate for the M.A. or M.S. degree with thesis earns 9 term hours of credit for this work; a first draft of the thesis must be accepted by the adviser before the student can register for the final 3 hours.

Further information will be furnished at the office of the Graduate School, Johnson Hall.

## Opportunities for Teachers

Because many teachers wish to take summer work to improve their professional training, an extensive program has been planned especially to meet their needs.

**Secondary-School Teaching.** The state of Oregon will grant a one-year provisional certificate for secondary-school teaching to a person who holds a bachelor's degree and who has completed a minimum of 21 term hours of work of education and a course in Oregon history. Provisional certification may be continued for a maximum period of five years if, during each of these five years, the teacher earns not less than 9 term hours in properly selected college courses at the upper-

division or graduate level. On the completion of 45 term hours of selected work as a graduate student, the teacher is eligible for regular certification. A total of 36 term hours of work in education, including undergraduate and graduate courses, is required for the regular certificate.

*Master of Science in General Studies.* The University offers a program of graduate study planned especially for students working toward the satisfaction of the requirements for regular high-school teacher certification. The program leads to the degree of Master of Science in General Studies. The program is administered by the dean of the Graduate School and supervised by the Committee on General Studies.

Enrollment is open to any person who is eligible for admission to the Graduate School; the student must, however, have a reasonable background of undergraduate study in the fields or departments in which he proposes to work, and must complete prerequisites for specific courses. The requirements for the degree of Master of Science in General Studies are:

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

(a) A total of 36 term hours in graduate courses in fields of study other than education, including normally not more than 21 term hours in one field. At least 6 term hours must be in 500 courses in one department or school; the student's program must be planned to provide well-rounded knowledge and must not be made up of scattered, unrelated courses.

(b) Between 9 and 15 term hours in graduate courses in the field of education, the number of hours to be determined on the basis of the work in education completed by the student as an undergraduate. (The Oregon state teacher-certification requirement specifies 9 term hours of graduate work in education and 6 term hours in education electives, which may be taken either at the undergraduate or the graduate level; students who take these electives in the fifth year must complete a total of 15 term hours of graduate work in education to qualify for the degree of M.S. in General Studies).

(2) Satisfaction of the regular requirements of the Graduate School for the master's degree, except that no thesis is required.

The program is supervised by the Committee on General Studies, of which Dr. L. R. Sorenson, associate professor of history, is chairman.

*Other Graduate Programs.* In addition, the University offers departmental master's degrees in journalism, English, history, social science, foreign languages, mathematics, biological science, physical science, geography and geology, speech, health and physical education, music, art, and business. Work toward these degrees is admirably fitted to the need of persons who wish to limit preparation to one field. At the option of the department, a thesis may or may not be required. Many departments offer programs for the master's degree both with thesis and without thesis.

A third type of master's degree is the Master of Education, which fits the needs of the superintendents, deans, principals, and elementary teachers. For a few high-school teachers who have very few education credits and who must concentrate in this field, the program leading to this degree may be the most satisfactory.

**Elementary Education.** An undergraduate program in elementary education will be offered in the 1958 summer session. Persons who have emergency elementary certificates and wish to secure regular certificates and a bachelor's degree may satisfy requirements through summer study. Persons with emergency certificates and a bachelor's degree are eligible for work toward a master's degree.

Practice teaching in the elementary schools will not be offered in the summer of 1958.

*Graduate Work in Elementary Education.* Graduate work in elementary education will be offered in the summer session. The summer faculty will include visiting instructors with special competence in the field. Work will be offered both for classroom teachers and for supervisors and principals.

**Administrative Credentials.** Every person holding an administrative position in the Oregon public schools must have an appropriate administrative certificate. The administrative certificates are: (1) superintendent's certificate, (2) administrative principal's certificate, (3) secondary principal's certificate, (4) elementary principal's certificate, and (5) supervisor's certificate. Work in school administration, planned specifically to meet the requirements for each of these certificates, is offered in the University summer sessions.

### Post Session

There will be a two-week post session for graduate students in education from August 18 to 29. Three term hours of credit may be earned in Reading and Conference (Ed 505). The fee for this session is \$9.00 per term hour. Instruction will be offered by Professor Hearn and others.

*Student Council Workshop.* The fourth annual Student Council Workshop, sponsored jointly by the Oregon Association of Secondary School Principals, the Oregon State Department of Education, and the University, will be held August 18-29 (see page 33 for description). State and national leaders in student council work will be on the campus from August 18-22, during which time student leaders representing most of the secondary schools of Oregon will be in attendance. Two sections, elementary and advanced, will be organized for student council advisers and others interested in problems of student participation in school government.

### Registration Procedure

Students will register for the summer session on Monday, June 23; classes will begin Tuesday morning, June 24. Registration will begin at 8 o'clock in the morning and continue until 4 o'clock in the afternoon. Students will receive registration material and further instructions at the Registrar's Office. (Education majors may obtain registration material either at the School of Education or at the Registrar's Office.)

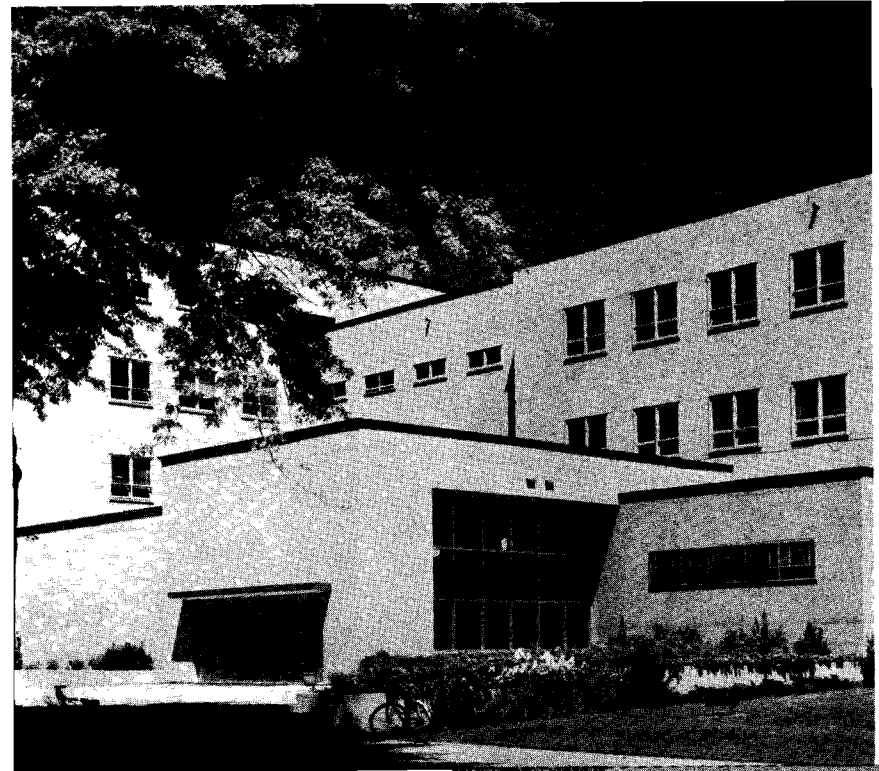
Graduate students in education who reside in Eugene or vicinity are urged to obtain their registration materials at the School of Education on Friday, June 20, or on Saturday morning, June 21. They will thus be able to confer with their advisers and fill out class cards in advance of the regular registration day. Fees will, however, not be assessed or paid until Monday, June 23.

### Summer Session Fees

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

Registration fee.....\$71.00

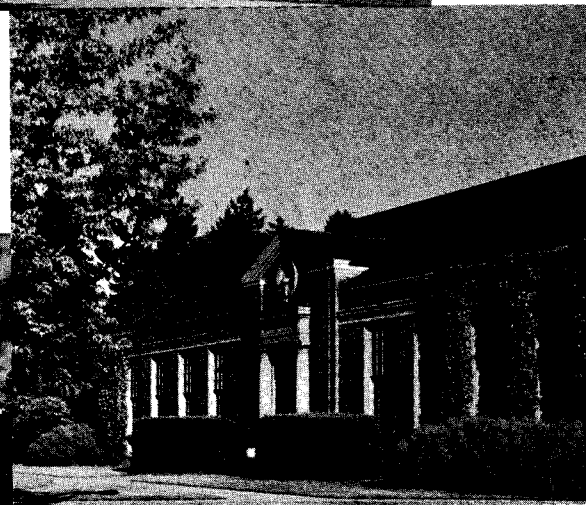
Students registering for 7 or more term hours of work (for credit or as auditors) pay this fee. There is no additional out-of-state fee for the summer session. Graduate students employed as teaching or research assistants during the summer session pay a fee of \$25.00.



Top—The Science Building houses the Departments of Physics, Chemistry, and Biology.

Right—The Education Building is a busy place during the summer session.

Bottom—The green lawns and trees make the campus a pleasant place for summer study.





Top—Summer-session students will live in the University's new dormitories.

Bottom—The Erb Memorial Student Union is the center of student life and recreation.

Part-time fee.....\$18.00 to \$54.00  
 1 or 2 term hour, \$18.00; 3 term hours, \$27.00; 4 term hours, \$36.00; 5 term hours, \$45.00; 6 term hours, \$54.00. Paid also by auditors attending classes carrying a total credit of 6 term hours or less.

Late-registration fee, per day.....\$1.00  
 Full-time undergraduate and graduate students pay the late-registration fee if they register after June 26.

Graduate qualifying examination fee.....\$1.00 to \$15.00

Staff fee, per term hour.....\$3.00  
 On approval by the President's Office, full-time staff members may register for a maximum of 5 term hours in summer courses for this special fee; academic staff members employed half time or more, but less than full time, may register for a maximum of 10 term hours under the staff fee.

Fees for children receiving instruction in Clinical School.....\$20.00

Music fees.....see page 48

**Fee Refunds.** Students who withdraw from the summer session and who have complied with the regulations governing withdrawal are entitled to certain refunds of fees paid, depending on the time of withdrawal. The refund schedule is as follows:

Withdrawal first three days after beginning classes.....Refund of all fees over \$6.50  
 Withdrawing within first two weeks.....Refund of all fees over \$16.25  
 Withdrawing after two weeks and before beginning of fifth week.....Refund of all fees over \$32.50  
 Withdrawing after beginning of fifth week.....No refund

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

**Board and Room**

Board and room for both men and women will be available during the summer session in University halls of residence.

Blankets and bed linens, and the laundry of these items, are furnished by the halls; students furnish their own towels.

No advance reservations are necessary for the regular summer session students. During the summer session, students rooming in the dormitories may board elsewhere if they wish, and students living outside the dormitories may have their meals in the dormitory dining rooms, either regularly at the summer session rate or occasionally at the per-meal rates.

Both single and multiple dormitory rooms are available.

Graduate women students and mature women teachers will not be subject to the strict supervision provided for undergraduate women students.

Facilities will be available for married couples on the same basis as for other dormitory residents, but married couples, to be certain of accommodations, must make advance reservation to the Director of Housing, Business Office, University of Oregon, Eugene, Oregon.

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

	Multiple Occupancy	Single Occupancy	Board*	Total, Board & Room Multiple	Single
Eight-week session.....	\$64.00	\$84.00	\$117.00	\$181.00	\$201.00
Four-week session.....	32.00	42.00	58.50	90.50	100.50
Three-week session.....	24.00	31.50	44.00	68.50	75.50
Two-week session.....	16.00	21.00	29.50	45.25	50.25
One-week course.....	10.50	15.00	15.00	25.50	30.00
Per day.....	2.00	2.50	2.85†	4.85	5.35

\* Three meals per day, 6 days per week; Sundays and holidays, breakfast and dinner.  
 † Rates per meal: Breakfast, 75 cents; lunch, 85 cents; dinner, \$1.25.

Room and board charges for the eight-week session are payable in advance at the opening of the session or in installments as follows:

	Multiple	Single
At the opening of session.....	\$ 90.50	\$100.50
Prior to July 30.....	90.50	100.50
	<hr/>	<hr/>
	\$181.00	\$201.00

A penalty charge of \$1.00 per day up to a maximum of \$5.00 is made if the first installment is not paid by July 2 or if the second installment is not paid by July 30.

Refunds of board and room charges will not be made unless the student withdraws from school.

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

The dormitories will be open for the summer session at 1:00 p.m. on Sunday, June 22. The first meal served will be breakfast on Monday, June 23. The dormitories will close Saturday noon, August 16. The last meal served will be the evening meal on Friday, August 15.

**Room and Board in Private Houses.** A number of private boarding and rooming houses will be open during the summer. Rooms, flats, and furnished cottages suitable for light housekeeping may also be available. A list of such accommodations will be obtainable from the Housing Secretary after June 1.

**Housing for Married Students.** The University operates a considerable number of housing units for married students, some of which will be available for the summer session. Married students interested in these quarters should write to the Director of Housing, Business Office. Married students seeking off-campus living quarters in Eugene for the summer session should consult the Housing Secretary at the time of registration or shortly before, and then make their own individual arrangements with householders or managers of apartments.

Married students may also obtain rooms in the dormitories.

**Undergraduate Housing Rules.** The rules regarding housing which prevail during the regular academic year are applicable to undergraduate students during the summer session. Mature undergraduate teachers are excepted from these rules.

(1) Freshman students are required to live in the University dormitories; undergraduate women are required to live either in the dormitories or in houses maintained by organized University living groups, (sororities, cooperatives). Married students and students living with relatives in Eugene are excepted from this rule. Other exceptions are rare, and are made only for students working for room and board, or for whom rooms are not available in campus quarters.

(2) Unmarried undergraduate students are not allowed to live in motor courts, hotels, or separate houses.

## General Information

**Forums and Lectures.** Evening forums and lectures by visiting lecturers and prominent members of the University faculty will be scheduled each week during the summer session.

**Recreation.** Everyone who enjoys the outdoors should come prepared to take part in the recreational program sponsored by the University. There will be hikes and picnics, golf, tennis, pingpong, outdoor volleyball, playground baseball, indoor

evening games, swimming, and social dancing. It is suggested that students bring tennis rackets and golf clubs. There are excellent opportunities for these sports on the University campus and nearby courses.

Summer students have the privilege of the use of the gymnasium, swimming pools, and tennis courts; they will be furnished with swimming suits, lockers, towels and soap.

**Murray Warner Collection of Oriental Art.** The Museum of Art, housing the Murray Warner Collection of Oriental Art, will be open to students during part of the summer.

Two special conducted tours of the Murray Warner Collection will be arranged during the session; one tour will give attention to Japanese materials, the other to Chinese materials. Advance registration for the tours is required. Special tours may also be arranged through the Museum of Art office. Special exhibits are planned for the summer.

**Chorus, Orchestra, and Band.** A summer chorus, orchestra, and band will be organized. Membership in these organizations will be open to all summer students whether or not they are enrolled in music courses. Students who play orchestral or band instruments are urged to bring their instruments and take part. Concerts will be given by these groups during the final week of the session. The purpose of these organizations is recreation and enjoyment as well as professional and cultural training.

**The Summer Sun,** a four-page weekly newspaper devoted to summer session news, is published by the journalism classes and is distributed free to the faculty and students.

**Health Service.** Payment of summer session fees entitles students to general medical attention and advice at the University Student Health Service. Health Service hours are 8:30 a.m. to 12:30 p.m., Monday through Friday.

**Employment Service.** The University maintains an employment service for students desiring part-time work while in attendance at the University. This service is available to summer students. Those interested in learning of opportunities for part-time work should write to Employment Secretary, University of Oregon.

**Teacher Placement.** The School of Education maintains a Placement Service primarily to help graduates of the University obtain suitable teaching positions. This service is extended also to older teachers who have been connected with the University, including students in the summer session. To be eligible for this service, the student must have completed 8 term hours of work in the University.

**Correspondence Study.** Students may frequently find a schedule of correspondence courses through which to continue their program of study after the close of the summer session. A correspondence catalog may be obtained from the General Extension Division office on the University campus.

**Extension Classes.** The General Extension Division welcomes inquiries in regard to extension courses offered in Portland and in other Oregon cities.

**High-School Music Summer Sessions.** Two two-week music summer sessions for high-school students will be held on the campus: for band, June 23-July 5; for chorus and orchestra, July 6-July 18. Observation of methods used in these sessions will be of particular interest to high-school music teachers.

**Western High-School Press Institute.** A one-week summer training session for high-school newspaper and yearbook editors and business managers and for their advisers will be held from August 18 to 22. The course is sponsored by the

School of Journalism and the Oregon Scholastic Press. Students will be housed in dormitories. For further information, write: Dean, School of Journalism, University of Oregon.

**Course-Numbering System.** The courses in this catalog are numbered in accordance with the course-numbering system of the Oregon State System of Higher Education. Lower-division (freshman and sophomore) courses are numbered below 300. Upper-division (junior and senior) courses are numbered from 300 to 499. Graduate courses are numbered 500-599. A large (G) following the name of a 400 course indicates that the course may be taken for either major or minor graduate credit. A small (g) following the name of a 400 course indicates that the course is approved for graduate minor credit only.

## Workshops and Conferences

- ArE 508, Ed 508. **Workshop: Arts and Crafts Curricula.** 6 hours. June 23-July 18.
- BA 507. **Seminar: Business Education.** 3 hours. June 23-July 3.
- BA 507. **Seminar: Business Education.** 3 hours. July 7-18.
- BA 507, Ed 508. **Workshop: Family Financial Security Education.** 6 hours. June 23-July 18.
- Ed 508. **Workshop: Teaching Methods in Geography.** 3 hours. June 23-July 3.
- Ed 508. **Workshop: The Student Council.** 3 hours. August 18-29.
- Ed 508. **Workshop: The Mentally Retarded.** 3 hours.
- Ed 508. **Workshop: Diagnosis and Correction of Reading Difficulties.** 4 hours. August 18-29.
- Ed 508. **Workshop: The School Administrator and the Guidance Program.** 3 hours. July 21-August 1.
- Eng 508. **Workshop: The Drama as Literature.** 3 hours. June 23-July 3.
- Ed 508. **Workshop: Foreign Language Curricula.** 6 hours. June 23-July 18.
- HE 408. **Workshop: Driver Education and Training.** 2 hours. June 16-20.
- HE 506. **Special Problems: Driver Education.** 3 hours.
- PE 406. **Coaching Clinic.** 2 hours. June 16-21.
- PE 406. **Special Problems: Boxing and Wrestling.** 2 hours.
- PE 408. **Workshop: Physical-Education Activities.** 2-6 hours. June 23-July 11.
- PE 506. **Special Problems: Athletic Injuries.** 3 hours.
- PE 508. **Workshop: Rehabilitation Institute.** 2 hours. August 17-23.
- Soc 408. **Workshop: Family Life Education.** (G) 4 hours. August 4-15.
- Soc 508. **Workshop: Intergroup Relations.** 3 hours. July 21-August 1.
- High School Music Summer Session.** Band, June 23-July 5; Chorus and Orchestra, July 6-18.
- Injury Care Clinic.** June 20-21.
- Western High School Press Institute.** August 18-22.
- World Affairs Program.** June 23-July 18.

## Anthropology

Visiting Faculty: SMITH.

- Anth 414. **Race and Culture.** (G) 3 hours.  
Racial classifications and comparisons; the biological base of culture; attitudes toward race in human relations. Prerequisite: 9 hours in anthropology or consent of instructor. MTuWTh, 11:00. Smith.
- Anth 501. **Research.** Hours to be arranged.
- Anth 503. **Thesis.** Hours to be arranged.
- Anth 505. **Reading and Conference.** Hours to be arranged.
- Anth 507. **Seminar: Scope and Methods of the Social Sciences.** 3-6 hours.  
The background and perspectives of each of the social-science disciplines—anthropology, economics, political science, psychology, and sociology. Selected aspects of social organization and process considered in detail. Daily, 8:00-10:00. Smith, Tope, Littman, Foskett, Campbell, Dean.
- Anth 507. **Seminar: The Far East.** 3 hours.  
Part of the special Summer World Affairs Program. See page 51.
- Anth 507. **Seminar: Western Europe.** 3 hours.  
Part of the special Summer World Affairs Program. See page 51.
- Anth 507. **Seminar: South and Southeast Asia.** 3 hours.  
Part of the special Summer World Affairs Program. See page 51.

## Architecture and Allied Arts

Visiting Faculty: KOLLMAYER, LARKIN.  
Assistant Professors: BRYAN, BURGNER, DOLE, RYAN, WHITE.  
Instructors: JAMES, MOURSUND, SOEDER.

### Architecture

- AA 387. **Architectural Design.** 4 hours minimum credit.  
No-grade course. Planning and design, beginning a three-year sequence of intensive study in programming, theoretical analysis, and problem solution. Instruction includes field trips, seminars, and discussions. Prerequisite: AA 287, AA 288, AA 289.
- AA 401. **Special Studies.** Hours to be arranged.
- AA 487. **Architectural Design.** 4 hours minimum credit.  
No-grade course. Second year of planning and design sequence. Students work in the drafting room under individual observation of staff members. Field trips, seminars. Prerequisite: 12 term hours in AA 387 or equivalent. Daily, 9:00-5:00; criticism by appointment.
- AA 509. **Terminal Creative Project.** Hours to be arranged.
- AA 587. **Architectural Design.** 4 hours minimum credit.  
No-grade course. Third year of planning and design sequence. The student assumes greater individual responsibility in the execution of design and planning studies. Field trips, seminars. Prerequisite: 18 term hours in AA 487 or equivalent. Daily, 9:00-5:00; criticism by appointment.

## Applied Design

### AA 255. Ceramics. 1-3 hours.

Introduction to ceramic techniques and materials. Throwing, molding, and hand building. Surface decoration of two- and three-dimensional surfaces. Students participate in stacking, firing, and drawing the kiln. Open to nonmajors. Section A, MTuWTh, 9:00-12:00. Section B, MTuWTh, 1:00-4:00. The student may enroll for either a four- or an eight-week period.

### AA 455. Advanced Ceramics. (g) 2-4 hours.

Advanced studio work in ceramics; individual projects. Emphasis on creative form. Study of material, texture, and functional relationships. Body and glaze making; earthenware, stoneware, and porcelain. Kiln atmospheres and effects on body and glaze. Students assume responsibility for firing their own work. 30 term hours required for major. Prerequisite: 6 term hours in AA 255. MTuWTh, 9:00-12:00 or 1:00-4:00. The student may enroll for either a four- or an eight-week period.

## Drawing and Painting

### AA 290. Painting. 2-3 hours.

Instruction in the use of oil color, water color, and other media. 12 term hours required for upper-division standing. MTuWTh, 9:00-12:00 or 1:00-4:00. The student may enroll for either a four- or an eight-week period.

### AA 481. Advanced Water Color. (G) 2-4 hours.

Advanced work in water color, with particular attention to landscape material. MTuWTh, 9:00-11:00 or 1:00-3:00. The student may enroll for either a four- or an eight-week period.

### AA 490. Advanced Painting. (G) 2-4 hours.

Advanced problems in portrait, figure, landscape, and still life, in all media. Prerequisite: 12 term hours in AA 290. MTuWTh, 9:00-12:00 or 1:00-4:00. The student may enroll for either a four- or an eight-week period.

### AA 491. Advanced Drawing. (g) 2-4 hours.

Advanced work in drawing. Study of form from the figure. Prerequisite: 6 hours in AA 291 or AA 391. MTuWTh, 9:00-12:00 or 1:00-4:00. The student may enroll for either a four- or an eight-week period.

### AA 590. Graduate Studies in Painting. Hours to be arranged.

Work at an advanced level, with problems of color and form, techniques, processes, and visual theories.

## Art Education

### ArE 311. Creative Arts and Crafts for Elementary Teachers. 2-4 hours.

Art activities for the classroom teacher. Use of basic tools and materials. Planning the art program to meet the needs of the child. Art in the school curriculum. Material and supply resources. Art experiences in relation to child growth and development. Laboratory work, with lecture sessions. Two sessions of four weeks each; 2 hours of credit for each session. MTuWTh, 8:00-10:00. Students may also enroll for the eight-week session for 4 hours of credit.

### ArE 314. Art Education in the Junior High School. 3 hours.

Art activities in the junior high school; the needs and abilities of the preadolescent child relative to self-expression; critical evaluation of art materials in terms of student experience; laboratory work with basic problems in the junior-high-school art program. Field work with children. MTuWTh, 8:00-10:00.

### ArE 401. Special Studies: Kindergarten. 2-4 hours.

First four weeks, June 23-July 18. A creative approach to the art experiences

of the preschool child. Workshop activities with simple tools and materials, with specific emphasis on the physical, mental, and emotional growth of the child. MTuWTh, 10:00-12:00.

### ArE 401. Special Studies: Children's Art Laboratory. 2-4 hours.

Second four weeks, July 21-August 15. A children's art laboratory for the beginning student who is interested in investigating children's creative art experiences in laboratory situations with 7-10-year-old children. Students and children will work with simple materials in parallel art activities. MTuWTh, 10:00-12:00.

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

### ArE 411. Methods and Research Materials in Elementary School Art. (G) 2 hours.

June 23-July 18. An investigation of current trends and directives in elementary public school art education. Methods and laboratory practices in the effective use of materials and ideas in creative activities. Study of significant research and literature in the field. Prerequisite: ArE 311, 312 or one year of teaching experience. MTuWTh, 10:00-12:00.

### ArE 414. Art Education in the High School. (G) 2-4 hours.

Study of art education in the secondary school, through laboratory work and individual research. Practice-teaching problems examined and studied as a group experience. Evaluation of current thinking in the field; application to classroom situation. Two four-week sessions; 2 term hours credit for each session. MTuWTh, 8:00-10:00. Students may also enroll for the eight-week session for 4 hours of credit.

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

### ArE 507. Seminar: Art Education. 2 hours.

Second four-week session. MTuWTh, 11:00.

### ArE 508. Workshop: Arts and Crafts Curricula. 6 hours.

First four weeks, June 23-July 18. Sponsored by local school systems, the Oregon State Department of Education, and the University of Oregon. Membership limited, by invitation, to persons who are working on the state-wide curriculum study in art education. Tuition paid by the Board of Education.

### ArE 533. Art in the Elementary School. 2 hours.

Designed to enable elementary art teachers and administrators to gain a better understanding of the significance of creative art activity. Lectures are closely integrated with laboratory work. Levels of creative development in children; direction and supervision of this development; building of a basic curriculum. Second four-week session. MTuWTh, 10:00-12:00.

## Biology

Visiting Faculty: AHLSTROM, BACON, FAST, GWILLIAM, KOZLOFF, MACNAB, NEILAND, SMITH.

Assistant Professors: MCCONNAUGHEY, MORRIS, SCHULTZ.

Instructor: CASTENHOLZ.

During the 1958 summer session the Department of Biology will continue a long-range summer program that was inaugurated in 1956. On a rotational plan, over a period of several summers, courses are offered that are particularly directed toward meeting the needs of biology teachers. This program assures the summer session student an opportunity to gain a substantial background in biology by attendance at several sessions. The following courses will be presented in this rotational plan: (1) General Biology, (2) Field and Laboratory Methods in Biology, (3) Introduction to Genetics, (4) Mammalian Physiology, (5) Microbiology,

(6) History of Biology, (7) Field Botany, and (8) Field Ornithology. This list will be expanded as the demand and need arise. Each summer one term of General Biology and one or more courses in field biology will be offered, along with one or more of the other courses in the above list.

In addition to the biology offerings at Eugene, courses emphasizing marine biology and invertebrate zoology are offered at the Oregon Institute of Marine Biology, located near Coos Bay.

**Bi 101. General Biology.** 4 hours.

Structure and function of vertebrate organ systems, with emphasis on man. The first term of the three-term sequence offered during the regular session. Lectures, MWF, 1:00. Laboratory, MW, 2:00-5:00. Schultz.

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

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

**Bi 405, 505. Reading and Conference.** Hours to be arranged.

**Bi 412. Microbiology.** (g) 4 hours.

Study of important groups of bacteria, lower fungi, and protozoa; their roles in the physical and chemical transformations in soil, water, and air and their importance to man. Laboratory work will include methods for isolation, maintenance and characterization of cultures, and demonstration of their properties. Experiments included will be particularly valuable for teachers of high-school biology. Prerequisite: one year of biology or consent of the instructor. Lectures, MWF, 1:00. Laboratory, MWF, 2:00-5:00. McConnaughey.

**Bi 470. Field Botany.** (G) 4 hours.

Field study of native plants and their communities. The course includes methods for identification of higher plants, study of plants and their environment, fairly detailed field analyses of some plant communities accessible from Eugene, and a more general survey of other major vegetation groups of Oregon. Basic information illustrated in the Eugene area is applicable elsewhere, and the course provides material and techniques useful in classroom teaching. Classes will be held in the field whenever weather permits. Prerequisite: one year of biology or consent of instructor. Lectures, laboratory, and field work, TuTh, 1:00-5:00; S, 8:00-12:00. Neiland.

The following courses will be offered at the Oregon Institute of Marine Biology, Charleston, Oregon. Detailed description of these courses is contained in a special announcement, available upon request.

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

**Bi 405, 505. Reading and Conference.** Hours to be arranged.

**Bi 407, 507. Seminar.** Hours to be arranged.

**Bi 450. Marine Invertebrate Types.** (g) 3 hours.  
Smith.

**Bi 456. Biology of Marine Organisms.** (G) 8 hours.  
Kozloff, Castenholz.

**Bi 457. Planktonology.** (G) 3 hours.  
Ahlstrom.

**Bi 458. Biology of Fishes.** (G) 5 hours.  
Fast.

**Bi 459. Marine Ecology.** (G) 4 hours.  
Macnab.

**Bi 462. Invertebrate Zoology.** (G) 5 hours.  
Gwilliam.

**Bi 482. Invertebrate Embryology.** (G) 3 hours.  
Bacon.

## Business Administration

Visiting Faculty: Low.

Professors: BALLAINE, BURRELL, LOMAX.

Associate Professors: GREENE, RICHINS, ROBERT, SMITH, WALES.

Assistant Professors: DODGE, JOHNSON, JONES, MOSS, TAYLOR.

Instructor: BABCOCK.

**SS 10. Typing for High-School Students.** No credit.

Students must have had two years in junior high school to be eligible for this course. Introduction to touch typewriting, with emphasis on speed and accuracy development; application of skill to personal typing problems. Daily, 9:00. Jones.

**BA 111. Fundamentals of Accounting.** 4 hours.

The use of basic accounting concepts and procedures as tools for the administration of a business enterprise. Methods of recording, reporting, and interpreting financial data. Required of business-administration majors. Daily, 1:00. Babcock.

**SS 121. Typing.** 2 hours.

Introduction to touch typewriting, with emphasis on speed and accuracy development; application of skill to simple business exercises. Students with one year of high-school typing may not take SS 121 for credit. Daily, 8:00. Jones.

**SS 122. Typing.** 2 hours.

Application of typing skills to business letters and forms; development of speed and accuracy. Daily, 8:00. Jones.

**BA 221. Elements of Organization and Production.** 4 hours.

Principles of management as applied to commercial and industrial concerns. Required of all majors. Daily, 10:00. Lomax.

**BA 313. Managerial Accounting.** 4 hours.

The use of accounting data for effective management and control of business enterprises. Preparation, analysis, and interpretation of various financial statements, internal accounting reports, and special cost studies. Designed for students not specializing in accounting. Credit will not be granted for both BA 313 and BA 483, 484, 485. Prerequisite: BA 111, 112, 113. Daily, 8:00. Moss.

**SS 323. Office Practice Techniques.** 2 hours.

First four weeks, June 23-July 18. Study of all types of adding and calculating machines. Designed for secretarial, business-education, accounting, and other business students. Daily, 10:00-12:00. Jones.

**SS 324. Office Practice Techniques.** 2 hours.

Second four weeks, July 21-August 15. Study of various duplicating machines, the electric typewriter, the handling of a variety of office tasks, and applications to practical office situations. Daily, 10:00-12:00. Jones.

**BA 332. Business Statistics.** 4 hours.

Emphasis on appreciation and understanding of statistical methods. Charts and tables; sampling; averages, time-series analysis; index numbers; a brief introduction to the concept of linear correlations. Required of all majors. Daily, 10:00. Richins.

**BA 341. Principles of Advertising.** 4 hours.

Advertising as a factor in the distributive process; the advertising agency; the "campaign"; the function of research and testing; the selection of media—newspapers, magazines, broadcasting, outdoor advertising, direct mail. Daily, 8:00. Wales.

**BA 412. Personnel Management.** (G) 4 hours.

Place and significance of personnel management in the modern business organ-

ization; personnel policies and practices conducive to good relations with business employees. Personnel problems of small organizations. Daily, 11:00. Low.

**BA 416. Business Law.** (G) 4 hours.

Introduction to legal principles as applied to typical business situations. Contracts, agency law. Daily, 8:00. Robert.

**BA 428. Manufacturing.** (G) 4 hours.

Manufacturing industries of the United States; their raw materials, processes, and current technological and marketing developments. Prerequisites: BA 221, 222, 223. Daily, 11:00. Lomax.

**BA 435. Sales Management.** (G) 4 hours.

Structure of sales organization; sales policies; control of sales operations; sales planning; market analysis; coordination of production and sales; selection, training, and management of salesmen. Prerequisite: BA 223. Daily, 1:00. Taylor.

**BA 436. Retail Store Management.** (G) 4 hours.

Retail policies and problems. Stock-control systems, buying, methods of sales promotion, plant operation, personnel, credit, turnover, pricing, expense classification and distribution. Daily, 10:00. Dodge.

**BA 442. Principles of Salesmanship.** (G) 4 hours.

Principles and techniques of personal salesmanship; selling reactions. From the standpoint of seller and buyer. Daily, 11:00. Dodge.

**BA 454. Fundamentals of Risk and Insurance.** (G) 4 hours.

Basic principles of insurance and risk bearing; major areas of private insurance—property, casualty, life, marine; emphasis on elements common to all fields. Insurance in the economy, various ways of handling risk, types of insurance carriers, reinsurance, major contract provisions, insurance regulations. Daily, 1:00. Greene.

**BA 459. Finance Management.** (G) 4 hours.

Financial problems involved in promotion, organization, obtaining permanent and working capital, bank loans, commercial-paper borrowing, management of earnings, administration policies. Daily, 9:00. Moss.

**BA 460. Financial Institutions.** (G) 4 hours.

Services, operations, and economic effects of financial institutions and government leading agencies with which businessmen come in contact. Emphasis on commercial banks. Daily, 8:00. Burrell.

**BA 463. Investments.** (G) 4 hours.

Detailed study of investment instruments, security markets, and investment services. Investment policies for individuals; analysis and valuation of securities. Daily, 9:00. Burrell.

**BA 466. Business Cycles.** (G) 4 hours.

Study of economic changes; classification and analysis of business-cycle theories. The availability, use, and limitations of business barometers in forecasting; their possible application to the business enterprise. Daily, 2:00. Taylor.

**BA 501. Advanced Business Research.** Hours to be arranged.

Examination and criticism of typical studies in business research. Methods of procedure adapted to various types of business problems. Hours to be arranged. Ballaine.

**BA 503. Graduate Thesis.** Hours to be arranged.

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

**BA 507. Seminar: Business Education.** 3 hours.

June 23-July 3. Current practices in typing, shorthand, and office practice. Opportunity for graduate students and experienced business teachers to study

modern practices in teaching the secretarial subjects in high school or college. Opportunity will be given for research on individual problems. Visiting lecturers and Oregon high-school business-education department heads will present lectures and demonstration lessons. Daily, 1:00-4:00. Smith.

**BA 507. Seminar: Business Education.** 3 hours.

July 7-18. Current practices in bookkeeping and general business subjects. Opportunity for graduate students and experienced teachers to study improved methods of teaching bookkeeping and the general business subjects. Research on individual problems. Trends and teaching problems in the general business area. Guest lecturers and demonstration lessons. Daily, 1:00-4:00. Smith.

**BA 507. Seminar: Family Financial Security Education.** 6 hours.

First four weeks, June 23-July 18. Aspects of money and banking, insurance, real estate, investments, estates, and family financing related to family financial security. Designed for classroom teachers. Admission by prior application. Daily, 8:30-4:00. Akers, staff.

**BA 507. Seminar: Theory of Organization.** 4 hours.

Development of the management role since 1900. Principles of organization as they apply to the formulation of lines of authority and responsibility. Planning and communicating personal leadership and judgment. Development of standards. Hours to be arranged. Richins.

## Chemistry

Visiting Faculty: FERGUSON.

Assistant Professor: DIEBEL.

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

(Secondary teachers may enroll for Ch 429; see below.) Lectures on the fundamentals of quantitative analysis. Laboratory work devoted mainly to volumetric analysis. This course is intended to fit the needs of secondary teachers and others not intending to major in chemistry. Lectures, MTuWTh, 9:00; Laboratory WTh, 10:00-12:00, F, 8:00-12:00. Ferguson.

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

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

**Ch 405, 505. Reading and Conference.** Hours to be arranged.

**Ch 409. Special Laboratory Problems.** (G) Hours to be arranged.

Students wishing laboratory instruction not classifiable as research or thesis may enroll in Ch 409. Laboratory work covered in other courses will not be duplicated. Prerequisite: Consent of instructor.

**Ch 419. Perspectives in Chemistry.** (g) 3 hours.

Intended for secondary science teachers who have no previous training in chemistry or a very meager background. It is intended to illustrate fundamental precepts of chemistry with examples taken from modern developments. Some laboratory and demonstration work will be scheduled. MTu, 10:00; W 2:00-4:00. Diebel.

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

For description see Ch 320.

**Ch 439. Survey of Organic Chemistry.** (g) 5 hours.

Intended specifically for teachers of science in the secondary schools. Some of the fundamental aspects of organic chemistry will be covered. Attention will be given to topics likely to arise in classroom discussion, such as the nature of plastics, the chemical constitution of synthetic fibers, and various natural products. Lectures, MTuWTh, 8:00. Laboratory, F, 8:00-10:00. Ferguson.

## Economics

Professor: KLEINSORGE.

Associate Professor: DAVIS.

Assistant Professors: KOPLIN, SELBY.

Ec 201. **Principles of Economics.** 4 hours.

Principles that underlie production and exchange. Attention given to sources and distribution of national income, the banking system, and government finance. Daily, 9:00. Koplin.

Ec 415. **Economy of the Pacific Northwest.** (G) 4 hours.

Changes in and sources of personal income in the Pacific Northwest; survey of regional resources and industries; development of wood products. Daily, 11:00. Koplin.

Ec 417. **Contemporary Economic Problems.** (g) 4 hours.

Study of selected current economic problems in the United States; analysis and evaluation of proposed solutions. Daily, 8:00. Kleinsorge.

Ec 450, 451. **Comparative Economic Systems.** (g) 4 hours.

An analytical comparison of capitalism, socialism, communism, and other economic systems. Daily, 9:00. Davis.

Ec 489. **Economic History of the United States.** (G) 4 hours.

From the late nineteenth century. Third term of a year sequence. Daily, 10:00. Selby.

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

Kleinsorge, Koplin.

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

Davis.

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

Kleinsorge, Koplin.

## Education

Visiting Faculty: AULD, BROWN, EAST, FOSS, HINES, HOGG, IRISH, JOHNSON, KIENZLE, MILLHOLLEN, MOFFITT, PEACE, SCHMIDT, SMITH, UMSTATT, WILSON, WOOD, YOUNG.

Professors: BREEN, CASTELL, CLARKE, DICKEN, DUBIN, FOSKETT, HEARN, JACOBSON, KAMBLY, KILLGALLON, ROMNEY, TOPE.

Associate Professors: AKERS, ANDREWS, CULBERTSON, DEAN, GOLDHAMMER, GRAHAM, LITTMAN, LOWE, ROBINSON, RUMMEL, SANDIN, WALES, WILLARD.

Assistant Professors: CAMPBELL, DIEBEL, JOHNSON, KERSH, KRAUS, LADLEY, LALLAS, MARTIN, NYE, SCHAAF, STARR, SUNDBERG, WILLIAMS.

Instructor: MATTSON.

**Classroom Observations.** The School of Education, with the cooperation of the Eugene public schools, will provide an observation-school program starting the second week of summer session and running through the seventh week. A first, intermediate, and ninth-grade class will be held each morning at a junior-high-school building near the University campus. These classes will be staffed by outstanding teachers and will be conducted for children of summer session students as well as those who reside in Eugene and vicinity. A small tuition will be charged children who attend.

The classes are open to typical, well-adjusted children who can profit from the

enrichment opportunities that will be provided. The classes will provide an opportunity for University students and visitors to observe outstanding teachers employing modern methodology.

**Post Session.** There will be a two-week post session for graduate students in education from August 18 to 29. Three term hours of credit may be earned in Reading and Conference (Ed 505). The fee for this session is \$9.00 per term hour. Instruction will be offered by Professor Hearn and others.

## General Education

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

Education as a career; function of education in a democracy; curriculum and organization of schools; current educational trends and contemporary problems; financing public education; the characteristics, needs, and interests of pupils by age groupings; general principles of growth and learning, and relation to current practices. MTWTh, 9:00. Mattson.

Ed 311. **Human Development.** 3 hours.

Designed to provide psychological knowledge especially relevant to the professional activities of teachers in the elementary and secondary schools. Various aspects of the development and adjustment of the school child, with attention to the role of the teacher and the school program in the development of the pupil. Laboratory training in observation of the school child and in the interpretation of growth, health, psychological-test, and other data commonly available to the teacher. Prerequisite: Psy 201 or Psy 204. MTuWTh, 2:00. Mattson.

Ed 312. **Educational Psychology: Learning.** 3 hours.

Theoretical and practical study of learning and of factors affecting learning by children and youth in school. Theories of learning, motivation, guidance; learning activity, transfer, evaluation of achievement; principles of learning; applicable to learners of varying levels of maturity. Laboratory training in observation and analysis of the teacher-learning situation from a psychological viewpoint. Prerequisite: Psy 201 or Psy 204. MTuWTh, 11:00. Mattson.

Ed 317. **Social Foundations of Teaching.** 3 hours.

The nature and influence of such social determinants of child behavior as family, class structure, peer groups, mass media of communication, etc. MTuWTh, 10:00. Graham.

Ed 424. **Measurement in Education.** (G) 3 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. Simple statistics of test interpretation. MTuWTh, 9:00. Kersh.

Ed 435. **Audio-Visual Aids.** (G) 3-4 hours.

The development and use of audio-visual aids in education. Emphasis on actual learning situations in which radio, recordings, films, slides, pictures, maps, charts, etc. are utilized. Sources of materials and equipment; administration of audio-visual programs. Daily, 3:00. Kienzle.

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

A general review of the growth and development of education in relation to the civilization of the times; emphasis on development of educational philosophies. MTuWTh, 11:00. Breen.

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

The intellectual development of the United States, with special reference to education. Prerequisite: knowledge of American history. Daily, 2:00. Castell.

- Ed 446. Modern Philosophies of Education.** (G) 3 hours.  
An examination of educational philosophies proposed by recent leaders and critics of American educational theory and practice; Dewey, Hutchins, the progressives, etc. Daily, 3:00. Castell.
- Psy 460. Developmental Psychology I: Infancy and Childhood.** (g) 3 hours.  
Study of the growth and development of cognition, motivation, interests, learning, and skills in infancy and childhood, integrated with the study of the growth of social behavior and the acquisition of social and individual controls over behavior. Influence of parental patterns and environmental conditions on later personality development. MTuWTh, 8:00. Kersh.
- Psy 461. Developmental Psychology II: Adolescence.** (g) 3 hours.  
Behavior changes during preadolescence and adolescence as related to physiological development and social and cultural factors. Emphasis on personal and social adjustment. Intended to follow Psy 460. MTuWTh, 11:00. Luchins.
- Ed 476. School Law and Organization.** (G) 2 hours.  
Oregon laws applying to schools and teachers; teacher personnel policies and practices; professional organization; means for continued professional growth. MTuW, 3:00.
- Lib 490. Children's Literature.** (g) 3 hours.  
An introductory course, designed to give elementary-school teachers and librarians an acquaintance with children's books and their use in the curriculum. MTuWTh, 11:00. Ladley.
- Lib 491. Storytelling.** (g) 3 hours.  
A study of the literature, both traditional and modern, most suitable for oral presentation to children of all ages. Instruction and practice in the techniques of the art of storytelling. MTuThF, 2:00. Ladley.
- Ed 491. Social Education.** (G) 3 hours.  
Structure and functioning of society, as a background for the study and evaluation of education in its varied forms; the contribution of sociological principles and findings to the improvement of educational practices. MTuWTh, 2:00. Graham.
- Ed 501. Research.** 1-3 hours.
- Ed 501. Research: Field Studies.** 3 hours.
- Ed 503. Thesis.** Hours to be arranged.
- Ed 505. Reading and Conference.** 1-4 hours.  
Instruction may be arranged for the eight-week session, for the first four weeks, or for the second four weeks.
- Ed 507. Seminar: Social Foundations of Education.** 2-3 hours.  
Implications of social influences—the family, peer groups, social class, the local community, and minority-group status—upon child development and education. Not open to students who have taken Ed 317. MWF, 11:00. Graham.
- Ed 507. Seminar: Publicity and Public Relations.** (g) 4 hours.  
Basic techniques and methods in publicity programs for business, professional, social, and educational organizations and interest groups; relationship of publicity to the broader concept of public relations. Daily, 11:00. Wales.
- Ed 507. Seminar: Supervision of School Publications.** 4 hours.  
The teacher's role in guiding student publications in secondary schools and junior colleges. Not open to journalism majors. Daily, 9:00. Brown.
- Ed 508. Workshop: Family Financial Security Education.** 6 hours.  
First four weeks, June 23-July 18. Aspects of money and banking insurance, real estate, investments, estates, and family financing, related to family financial security. Designed for classroom teachers. Admission by prior application. Daily, 8:30-4:00. Akers, staff.

- Ed 512. Research Procedures in Education.** 4 hours.  
The nature and procedures of research in education; special techniques of thesis, field study, research paper, and dissertation. Open to graduate students majoring in other fields. Does not take the place of individual supervision of the student's thesis. Daily, 11:00. Rummel.
- Ed 515. Educational Statistics.** 3 hours.  
An introductory course in statistics. Computing machines are available for student use. Prerequisite: consent of instructor. MTuWTh, 2:00. Andrews, Clarke.
- Ed 529. Advanced Educational Psychology.** 2 hours.  
Review of some modern viewpoints in educational psychology, with particular attention to theories of learning and their application to problems of school learning. Must be completed in sequence; students who have had a course in the psychology of learning may be permitted to enter the winter term. Prerequisite: graduate standing in education, course in educational psychology, and consent of instructor. TuWTh, 11:00. Kersh.
- Ed 566. Curriculum Construction.** 3-4 hours.  
First four weeks, June 23-July 18. Survey and appraisal of curricular patterns; state and city programs; courses of study in major subject areas; techniques of course-of-study planning. Daily, 1:00-3:00. Millhollen.
- Ed 574. School Supervision.** 3-4 hours.  
Purpose and plans for supervision; use of tests, diagnosis of pupil difficulty, etc., as applied to both elementary and secondary schools. Prerequisites: Ed 311, Ed 312, or teaching experience. Daily, 8:00. Culbertson.

## Elementary Education

Elementary teachers interested in courses in music education, art education, physical education, and other fields will find appropriate courses in other sections of this Catalog.

- Ed 352. The Child and his Curriculum: Language Arts.** 5 hours.  
Language development from kindergarten through the elementary school. Emphasis on language as a means of communication and as a tool for thinking. Reading, reading readiness, the psychology of the reading process, reading skills in relation to other parts of the curriculum, diagnostic and remedial measures. Materials and teaching procedures in oral and written communication, spelling, and handwriting. Prerequisite, Ed 311, Ed 312. Daily, 8:00; Tu, 1:00-3:00. Irish.
- Ed 353. The Child and His Curriculum: Arithmetic.** 3 hours.  
Arithmetic in the elementary-school program. Types of instruction, criteria for selection, placement, and organization of content. Prerequisite: Ed 311, Ed 312. MTuWTh, 9:00. Starr.
- Ed 354. The Child and his Curriculum: Social Studies, Science.** 5 hours.  
Social studies and science in the elementary-school curriculum. Ways of developing basic concepts in human relationships and community living. Emphasis on the effective use of instructional media and on related problems of method, such as effective reading in science and social studies, provision for individual differences, cultivation of critical thinking, provision for growth and retention, and methods of evaluating results of instruction. Prerequisite: Ed 311, Ed 312. Daily, 10:00; M, 1:00-3:00. Nye, Starr.
- Ed 507. Seminar: Primary Education.** (G) 3 hours.  
Review of the development of children, ages 5 through 8. Program planning; group behavior; the place of the teacher; equipment, activities, books, and music for these age levels. MTuWTh, 8:00. Nye.

- Ed 507. **Seminar: Improving the Teaching of the Social Studies.** 2 hours.  
Students will work on individual problems and projects of their own choosing. Prerequisite: Ed 535, consent of instructor. Tu, 3:00-5:00. Willard.
- Ed 508. **Workshop: Teaching Methods in Geography.** 3 hours.  
Two weeks, June 23-July 3. A study of principles and methods used in the presentation of the basic materials of geography. Maps, globes, charts, slides, film strips. Daily, 10:00-12:00, 2:00-4:00. Martin, Dicken.
- Ed 534. **Science in the Elementary School.** 4 hours.  
The place of science in the elementary school, with particular reference to the value of science in the lives of children. Selecting and organizing content, coordinating science with elementary-school activities; methods and materials; rooms and equipment. Daily, 10:00. Kambly.
- Ed 535. **Social Studies in the Elementary School.** 3 hours.  
Social-education objectives; children's social problems; unit development; work-study skills; organization of the program, materials; research findings basic to the social education of children. MTuWTh, 9:00. Willard.
- Ed 536. **Language Arts in the Elementary School.** 4 hours.  
The role of language arts in the elementary-school program; research findings on language development; the teaching of spelling, writing, and speaking-listening skills; newer instructional materials; testing and evaluation. Daily, 10:00. Irish.
- Ed 537. **Reading in the Elementary School.** 3 hours.  
Nature of the reading process, objectives, organization of a desirable reading program; reading readiness, reading skills, procedures and materials for developing children's reading abilities; methods of diagnosing difficulties and evaluating progress; research findings concerning the teaching of children to read. MTuWTh, 11:00. Willard.
- Ed 538. **Mathematics in the Elementary School.** 3 hours.  
Number abilities needed by children; research findings on mathematics education; designed number experiences; theories of teaching; desirable teaching procedures; selection and use of materials. TuWThF, 1:00. Starr.
- Ed 553. **Elementary-School Curriculum.** 4 hours.  
A systematic study of the elementary-school curriculum; 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 newer curriculum practices. Daily, 9:00. Sandin.
- Ed 554. **Elementary-School Supervision and Administration.** 4 hours.  
The role, duties, needs, and problems of modern supervision, including evaluation and improvement of the teaching-learning situation. Daily, 11:00. Sandin.

## Secondary Education

- Ed 314. **Principles of Secondary Teaching.** 3 hours.  
Study of the actual classroom teaching process, including classroom organization and management, planning teaching units, evaluating pupil learning, and similar problems. Prerequisites: Ed 310, Ed 312. MTuWTh, 8:00. Kambly.
- Ed 469. **Reading in High School and College.** (G) 3 hours.  
Nature and scope of the reading program, developmental and remedial; principles, methods, and materials of instruction and administration. TuTh, 8:00-10:00. Hogg and Killgallon.
- Ed 484. **The Junior High School.** (G) 3 hours.  
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 of the junior high school. MTuWTh, 10:00. Wilson.

- Ed 507. **Seminar: Evaluation of Secondary Schools.** 3 hours.  
Problems involved in the appraisal of secondary-school programs. Includes intensive study of the evaluative criteria developed by the Cooperative Study of Secondary School Standards. MTuWTh, 2:00. Robinson.
- Ed 507. **Seminar: Methods in Social Studies in the Junior and Senior High School.** 3-4 hours.  
First four weeks, June 23-July 18. Designed for experienced classroom teachers. Attention will be given to the social-studies curriculum, citizenship education, the teaching of current affairs, handling of controversial issues, use of audio-visual aids, evaluation techniques, classroom techniques, and materials. Opportunity for students to prepare materials for use in their classes. Daily, 1:00-3:00. Williams.
- Ed 507. **Seminar: Methods in Science in the Junior and Senior High School.** 3 hours.  
Objectives of science; selection of subject matter; construction of science units; teaching techniques; materials and facilities for science teaching. Open to all persons interested in the teaching or supervision of junior or senior high-school science. MTuWTh, 9:00. Diebel.
- Ed 507. **Seminar: Methods in Language Arts in the Junior and Senior High School.** 3-4 hours.  
First four weeks, June 23-July 18. Selection of areas of instruction in language arts; units, techniques of instruction, materials for language-arts teaching. Open to all students interested in the teaching or supervision of language arts in junior or senior high schools. Daily, 10:00-12:00. Kraus.
- Ed 507. **Seminar: Methods in Mathematics in the Junior and Senior High School.** 3-4 hours.  
For experienced teachers; techniques of instruction in general mathematics, algebra, geometry, and advanced courses. Daily, 8:00. Schaaf.
- Ed 508. **Workshop: Arts and Crafts Curricula.** 6 hours.  
First four weeks, June 23-July 18. Sponsored by local school systems, the Oregon State Department of Education, and the University of Oregon. Membership limited, by invitation, to persons who are working on the state-wide curriculum study in art education. Tuition paid by the Board of Education.
- Ed 508. **Workshop: Foreign Language Curricula.** 6 hours.  
First four weeks, June 23-July 18. Sponsored by local school systems, the Oregon State Department of Education, and the Department of Foreign Languages of the University of Oregon. Membership limited, by invitation, to persons who are working on the state-wide curriculum study in foreign language. Tuition paid by the Board of Education.
- Ed 508. **Workshop: The Student Council.** 3 hours.  
August 18-29. Aims and objectives of the student council; organization, group processes, council problems and projects; evaluation of the council's program. Designed especially for student council advisers; open to others on consent of instructors. Daily, 9:00-12:00, 1:30-4:00. Hearn, staff.
- Ed 522. **Secondary-School Curriculum.** 4 hours.  
First four weeks, June 23-July 18. A survey of the secondary-school curriculum; trends and outstanding practices in organization, content, methodology, materials, and evaluation. Problem approach to specific subject areas. Daily, 10:00-12:00. Umstatt.
- Ed 523. **School Activities.** 4 hours.  
Second four weeks, July 21-August 15. 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. Daily, 1:00-3:00. Hearn.
- Ed 527. **Secondary-School Administration and Supervision.** 4 hours.  
The secondary-school principalship; principles of administration, staff rela-

tionship, public relations, and professional growth; business administration, administration of guidance services, curriculum and school activities; evaluation of the secondary school. Daily, 1:00. Robinson.

## Guidance and Counseling

Additional courses in education (Ed 463, Ed 465, Ed 480, Ed 565), psychology (Psy 421, Psy 422, Psy 449), and sociology (Soc 440, Soc 441, Soc 465, Soc 466), may be selected to complete a graduate major in guidance.

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

The need for guidance services in the schools; test, inventories, questionnaires, and records; the role of the home and the community in guidance; counseling the individual student. MTuWTh, 1:00. Wilson.

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

Designed primarily for students preparing for positions as guidance workers. The purpose, use, administration, scoring, and interpretation of group tests commonly used at the high-school level. Prerequisite: Ed 485, Psy 421. MTuWTh, 9:00. Wilson.

**Ed 526. High-School Counseling.** 3 hours.

The purposes, techniques, and processes of counseling. Dynamics of adjustment and personality change. Methods of promoting emotional, educational, and occupational adjustment. Prerequisite: Ed 485. MTuWTh, 8:00. Lallas.

## Special Education

A number of scholarships will be awarded by the Oregon Association for Retarded Children to teachers who are or will during the next school year be teaching mentally retarded children and who enroll for the University's special summer training program. Applicants should address the association at 221 Platt Building, Portland 5, Oregon.

**Ed 409. Psycho-Education Clinic.** (G) 4 hours.

Supervised clinical practice in diagnosis and remediation of exceptional children. Prerequisite: Ed 465. Daily, 10:00-12:00. Killgallon, Hogg.

**Ed 462. Psychology of Exceptional Children.** (G) 3-4 hours.

Survey of characteristics and problems of all types of exceptional children, with special emphasis on those with sensory handicaps; consideration of essential educational adaptations. MTuWTh, 1:00. East.

**Ed 463. The Maladjusted Child.** (G) 4 hours.

The discovery and treatment of the emotionally and socially maladjusted child; the home, school, and community in relation to the child's mental health. Daily, 4:00. Lowe.

**Ed 464. The Mentally Deviate Child.** (G) 3-4 hours.

Identification and guidance of the mental deficient, the slow learner, and the gifted. MWThF, 8:00. Schmidt.

**Ed 465. Diagnostic and Remedial Techniques.** (G) 3 hours.

Diagnostic, remedial, and corrective techniques in basic school subjects; application of techniques to actual cases. MW, 8:00-10:00. Hogg, Killgallon.

**Ed 480. Psychology of Reading Instruction.** (G) 3 hours.

The fundamental nature of the reading process; principles of growth, adjustment, and learning basic to reading achievement; psychological foundations of methods of reading instruction. Time to be arranged. Killgallon, Hogg.

**Ed 507. Seminar: The Mentally Superior Child.** 3-4 hours.

A consideration of the problems involved in providing the best possible education for children with high mental ability and special talent. MTuWTh, 2:00. East.

**Ed 507. Seminar: Arts and Crafts for the Mentally Retarded.** 3 hours.

Materials and techniques in arts and crafts for teachers of the mentally retarded. TuTh, 9:00-12:00. Schmidt.

**Ed 507. Seminar: Curriculum and Methods of Teaching the Mentally Retarded.** 3 hours.

Nature and scope of educational program for the mentally retarded. Organization and planning of instruction; selection, preparation, and use of materials, equipment, records and reports; public relations and other practical problems of organization and classroom management. Prerequisite: consent of instructor. MWTh, 2:00-4:00. Peace.

**Ed 508. Workshop: The Mentally Retarded.** 3 hours.

Observation and teaching of a class for the mentally retarded in the elementary school. Under supervision of a demonstration teacher. Must be taken concurrently with Seminar: Curriculum and Methods of Teaching the Mentally Retarded (Ed 507). Prerequisite: consent of instructor. MWF, 10:00-12:00. Peace.

**Ed 508. Workshop: Diagnosis and Correction of Reading Difficulties.** 4 hours.

Post session, August 18-29. An intensive course for teachers, reading clinicians, and administrators covering techniques, materials, and school programs in corrective and remedial reading. Demonstrations and laboratory practice will be emphasized. Prospective students should notify Dr. Killgallon by July 1. Johnson, Hogg, Killgallon, staff.

## Educational Administration

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

For advanced graduate students who are at or past the master's level. Draws from the literature in the related fields of business administration, economics, social psychology, sociology, and political science. Particular emphasis on fundamental research underlying human behavior as a basis for the theory and practice of administrative behavior. MTuWTh, 10:00-12:00. Jacobson, Culbertson, Dubin, Foss, Sundberg.

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

The background and perspectives of each of the social-science disciplines—anthropology, economics, political science, psychology, and sociology. Selected aspects of social organization and process considered in detail. Daily, 8:00-10:00. Tope, Campbell, Dean, Littman, Foskett, Smith.

**Ed 508. Workshop: The School Administrator and the Guidance Program.** 3 hours.

July 21-August 1. Enrollment open to school principals, supervisors, and superintendents only. Careful attention will be given to the principles and functions of a guidance program. Includes developing, staffing, and evaluating guidance services at all levels in the public schools. Daily, 10:00-12:00, 1:00-3:00. Young.

**Ed 572. Public School Administration.** 3-4 hours.

Relations of the principal to the school board, school finance, school records and accounts, school building programs, pupil accounting, the teaching staff. Prerequisite: teaching experience or consent of instructor. Daily, 1:00. Romney.

**Ed 573. Public School Organization.** 3-4 hours.

Organization in both grade and high schools; emphasis on the small system.

Prerequisite: teaching experience or consent of instructor. MTuWTh, 10:00. Goldhammer.

Ed 575. **School Finance.** 3-4 hours.

The problems of school finance and business management; sources of school income; relationship to the state financial structure; budgeting and accounting; construction of a school budget. Daily, 2:00. Romney.

Ed 576. **School Buildings.** 3-4 hours.

Second four weeks, July 21-August 15. Study of problems in planning, construction, maintaining, and operating school buildings. The basic course in school buildings, intended for persons who have not had much experience in building problems. Daily, 8:00-10:00. Hines.

## English

Visiting Faculty: BLISS, BRODEUR, CIMINO.

Professors: McCLOSKEY, MOLL.

Associate Professors: SHERWOOD, WEGELIN.

Assistant Professors: OSWALD, SOEHREN.

Instructor: LUCHT.

Wr 111. **English Composition (First Term).** 3 hours.

Fundamentals of English composition. Two sections: TuWThF, 8:00; TuWThF, 9:00. Soehren.

Wr 211. **Advanced Writing.** 3 hours.

Expository writing. Summer students may take Wr 211 in place of either Wr 112 or Wr 113 to satisfy the composition requirement. TuWThF, 8:00. Lucht.

Wr 411. **English Composition for Teachers.** (g) 3 or 4 hours.

For students expecting to teach English in high school. Practice in writing and a review of the rules of composition. Required for the satisfaction of the high-school teaching field in English. Prerequisites: Wr 111, 112, 113. MTuWTh, 9:00. Oswald.

Eng 101. **Survey of English Literature (First Term).** 3 hours.

Anglo-Saxon beginnings to the Renaissance. TuWThF, 10:00. Lucht.

Eng 103. **Survey of English Literature (Third Term).** 3 hours.

Byron to the present. TuWThF, 11:00. Bliss.

Eng 202. **Shakespeare (Second Term).** 3 hours.

MTuWTh, 9:00. McCloskey.

Eng 403. **Thesis for Honors Candidates.** Hours to be arranged.

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

Eng 407. **Seminar: Shakespeare.** (G) 3 hours.

TuWThF, 9:00. Bliss.

Eng 424. **Types of Prose Fiction.** (G) 3 hours.

MTuWTh, 8:00. Sherwood.

Eng 428. **Chaucer.** (G) 3 hours.

As much of Chaucer's work read as time permits. Required for graduate students in English. MTuWTh, 2:00. Brodeur.

Eng 450. **Eighteenth-Century Literature (First Term).** (G) 3 hours.

The prose and poetry of the period studied in relation to the social, political, and aesthetic ideas which gave the period its peculiar character. MTuWTh, 1:00. Oswald.

Eng 476. **Literary Foundations of American Life (Second Term).** (G) 3 hours.

Authors whose writings have largely given shape to American thought. Two consecutive terms satisfy the high-school teaching-field requirement in English. MTuWTh, 1:00. McCloskey.

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

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

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

Eng 507. **Seminar: Byron and Shelley.** Hours to be arranged.  
Moll.

Eng 507. **Seminar: American Literature.** Hours to be arranged.  
McCloskey.

Eng 508. **Workshop: The Drama as Literature.** 3 hours

June 23-July 3. An organization meeting will be held at 2:00 p.m., Monday.  
June 23. Oswald, Sherwood, Wegelin.

## Foreign Languages

Visiting Faculty: BASSETT.

Professor: DOUGHERTY.

Assistant Professors: DAVISON, LEPPMANN.

Instructor: MARSHALL.

Ed 508. **Workshop: Foreign Language Curricula.** 6 hours.

First four weeks, June 23-July 18. Sponsored by local school systems, the Oregon State Department of Education, and the Department of Foreign Languages of the University of Oregon. Membership limited, by invitation, to persons who are working on the state-wide curriculum study in foreign language. Tuition paid by the Board of Education.

## French

\*RL 50, 51. **First-Year French.** 8 hours.

An introduction to the language, stressing reading, comprehension of the spoken tongue, and the basic principles of grammar. Equivalent of the first two terms of First-Year French given during the academic year. Daily, 8:00-9:00. Marshall.

RL 405. **Reading and Conference.** 3 hours.

Grammar and composition intended especially for teachers and prospective teachers; particular attention to the use of idioms and to stylistics. Students who desire readings in French literature should consult the instructor. MTuWTh, 8:00. Dougherty.

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

Dougherty.

RL 505. **Reading and Conference.** 3 hours.

Grammar and composition intended especially for teachers and prospective teachers; particular attention to the use of idioms and to stylistics. Students who desire readings in French literature should consult the instructor. MTuWTh, 8:00. Dougherty.

## German

**\*GL 50, 51. First-Year German.** 8 hours.

The fundamentals of grammar, oral drill, translation of prose selections. Equivalent of the first two terms of First-Year German given during the regular academic year. Recommended for students who wish to acquire a reading knowledge. Daily, 8:00-10:00. Leppmann.

**GL 320. Scientific German.** 3 hours.

Intensive practice in the reading of scientific texts. Prerequisite: consent of instructor. Hours to be arranged. Leppmann.

## Spanish

**\*RL 60, 61. First-Year Spanish.** 8 hours.

An introduction to Spanish, stressing speaking and reading. Exercises in elementary composition. Equivalent to the first two terms of First-Year Spanish given during the academic year. Daily, 8:00-9:00. Davison.

**RL 405. Reading and Conference.** 3 hours.

Review of grammar designed especially for teachers and prospective teachers; discussion of constructions peculiar to Spanish; exercises in conversation. Students who desire work in Spanish or Spanish-American literature should consult the instructor. Hours to be arranged. Davison.

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

Davison.

**RL 505. Reading and Conference.** 3 hours.

Review of grammar designed especially for teachers and prospective teachers; discussion of constructions peculiar to Spanish; exercises in conversation. Students who desire work in Spanish or Spanish-American literature should consult the instructor. Hours to be arranged. Davison.

\* Students who complete RL 50, 51, RL 60, 61, or GL 50, 51 with a grade of A or B may enter Second-Year French, German, or Spanish in the fall term.

## Geography

Professor: DICKEN.

Assistant Professor: MARTIN.

**Geog 105. Introductory Geography.** 3 hours.

A general introduction to the elements of geography. TuWThF, 8:00. Martin.

**Geog 106. Introductory Geography.** 3 hours.

A general introduction to economic geography. MTuWTh, 9:00. Dicken.

**Geog 301. Geography of the Pacific Northwest.** 3 hours.

A study of the land forms, climate, population, resources, products, and people of the Pacific Northwest, with emphasis on Oregon. MTuWTh, 1:00. Dicken.

**Geog 430. Geography of South America.** (G) 3 hours.

Physical, economic, and human geography of the continent. TuWThF, 9:00. Martin.

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

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

**Ed 508. Workshop: Teaching Methods in Geography.** 3 hours.

Two weeks, June 23-July 3. A study of principles and methods used in the presentation of the basic materials of geography. Maps, globes, charts, slides, film strips. Daily, 10:00-12:00, 2:00-4:00. Martin, Dicken.

## Geology

Professor: STAPLES.

Associate Professor: BALDWIN.

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

Geological field work in selected parts of Oregon. Prerequisites: Geol 314, Geol 383, and consent of instructor. Staples.

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

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

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

**Geol 506. Advanced Field Geology.** 9 hours.

Geologic field work in selected parts of Oregon. Emphasis on individual problems. Prerequisite: graduate standing, consent of the instructor. Baldwin.

## Health and Physical Education

Visiting Faculty: DAVIS, FLETCHER, HICKS, WOOLPERT.

Professors: CLARKE, ESSLINGER, HAAR, POLEY, SIGERSETH, SPRAGUE, WASHKE, WOODRUFF.

Associate Professors: PUCKETT, RHODA, WENTWORTH.

Assistant Professor: HACKETT.

Instructors: BRUMBACH, CONNER, ENGLISH.

Assistant: CLARKE.

## Workshops

**PE 408. Workshop: Physical Education Activities.** 2-6 hours.

June 23-July 11. Designed for junior and senior high-school teachers and college instructors. Emphasis upon participation, improvement of skill, and proficiency and concentrated work in methods of teaching and development of teaching materials. Areas for participation and study:

*Dance.* 2 hours. Folk and ballroom dance; analysis and methods of instruction; beginning and advanced materials. Daily, 8:00-10:00. Wentworth.

*\*Team Sports:* 2 hours. Field hockey, volleyball. Teaching materials, techniques of team play, organization patterns. 2 hours. Daily, 10:15-12:00. Woodruff.

*\*Individual and Dual Sports.* Tennis, golf, bowling, badminton, archery. Skill improvement, instruction materials, methods of teaching. Daily, 1:00-2:45. Hicks, Puckett, Barsanti.

*Basic Movement.* 2 hours. Instruction in basic movement as a basis for teaching all forms of physical-education activities. Designed for both elementary- and secondary-school teachers. Daily, 3:00-5:00. English.

**HE 408. Workshop: Driver Education and Training.** 2 hours.

June 16-June 20. Designed to prepare teachers to conduct driver-education courses at the secondary-school level. Instruction in the use of testing devices, development of instructional units, behind-the-wheel instruction, and methods and materials for conducting a driver-education course in secondary schools. Daily, 8:00-12:00; 1:00-5:00. Fletcher.

\* Selection of activities in team and individual sports areas will be governed, in part, by study preference.

**PE 508. Workshop: Rehabilitation Institute. 2 hours.**

August 17-23. An institute designed for workers engaged in rendering direct service to the handicapped or in organizing the community to recognize and assume its responsibility for the handicapped. Special emphasis will be placed on the coordinated team approach in the rehabilitation process. Given in cooperation with the U. S. Office of Vocational Rehabilitation. Daily, 8:30-12:00; 1:30-4:30; S 8:30-12:00; two or three evening sessions. Poley.

**Coaching Clinic**

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

June 16-21. Special problems of coaching football, basketball, baseball, track and field, and wrestling. Designed especially to meet the needs of high-school coaches.

Football Coaching.....	8:30-11:45 a.m. MTuW	} Casanova
	1:00-3:00 p.m. MTu	
	7:00-9:00 p.m. MTu	
Basketball Coaching.....	8:30-11:45 a.m. ThF	} Woolpert
	1:00-3:00 p.m. WTh	
	7:00-9:00 p.m. WTh	
Track Coaching.....	3:00-4:30 p.m. MTuWTh	Bowerman
Baseball Coaching.....	3:00-4:30 p.m. MTuWTh	Kirsch
Wrestling .....	4:30-6:00 p.m. MTuWTh	Hammer
Care and Prevention of Injuries.....	1:00-5:00 p.m. F	} Slocum
	7:00-9:00 p.m. F	
	8:00-12:00 a.m. S	
	1:00-5:00 p.m. S	

**Injury Care Clinic**

A clinic on problems of athletic injury prevention and care has been arranged for June 20-21 in affiliation with the Coaching Clinic. Every effort has been made to obtain the finest possible teaching staff.

Instructors include Dr. Donald Starr, orthopaedic consultant of the Vancouver Lions professional football team; Dr. Harold Muller, Olympic team physician and team physician of the University of California; Dr. Frank Cox, orthopaedic surgeon, San Francisco '49ers football team; Dr. Charles Bechtol, orthopaedic consultant, U.C.L.A. football team; Dr. Donald Slocum and Dr. Howard Molter, orthopaedic consultants, University of Oregon football team; Dr. William Snell, professor of orthopaedic surgery, University of Oregon Medical School; Dr. Donald Stainsby, chief of neurosurgery, Sacret Heart Hospital, Eugene; Dr. George Guldager, team physician, University of Oregon; Connie Jarvis, trainer, Stanford University, and Bob Officer, trainer, University of Oregon.

Persons who are not enrolled for the Coaching Clinic (PE 406) may attend the Injury Care Clinic by paying a special registration fee.

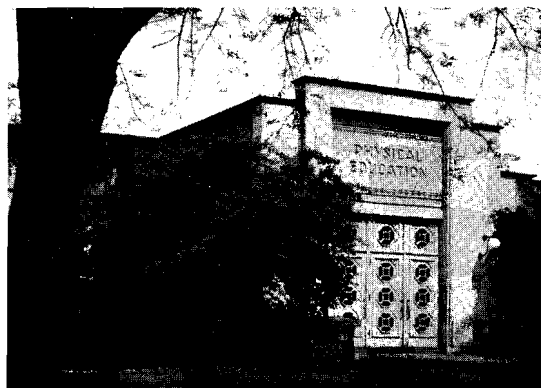
The program of the Injury Care Clinic is as follows:

**Friday, June 20**

8:45-10:15.....	Injuries to the Head and Shoulder
10:30-11:10.....	Athletic Dermatology
11:10-12:00.....	Athletic Protective Equipment
1:15- 2:15.....	Athletic Physiology
2:15- 4:15.....	Injuries to the Knee and Thigh
4:15- 5:00.....	Mechanics of Football Injuries

**Saturday, June 21**

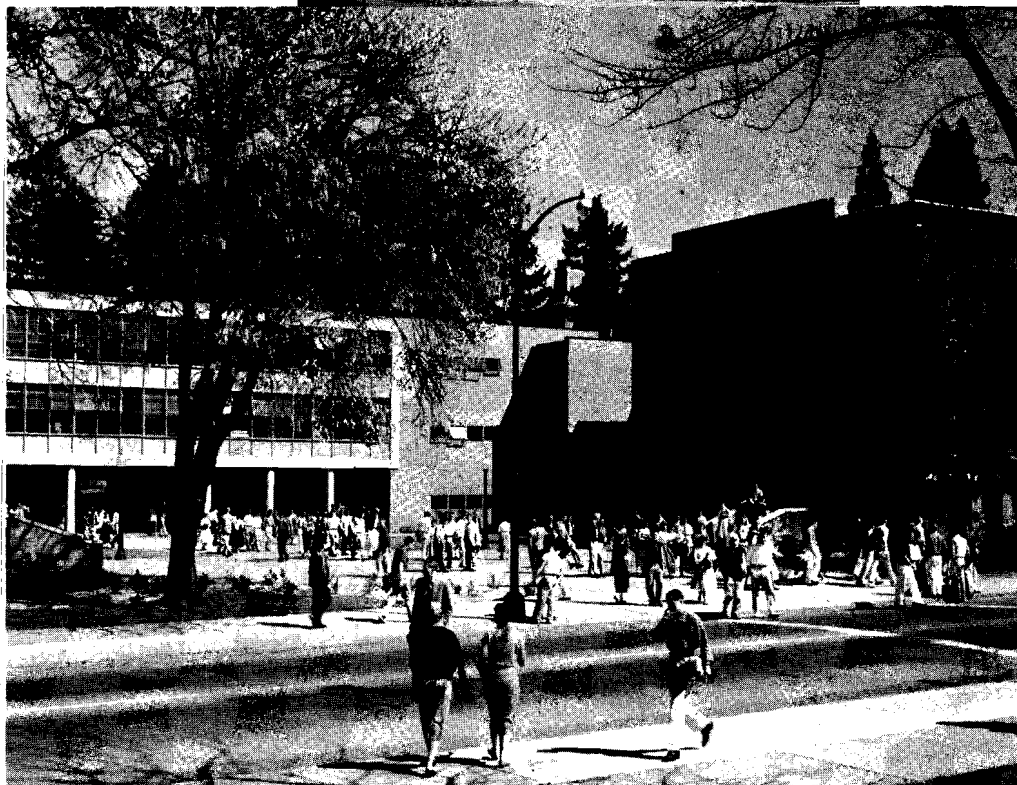
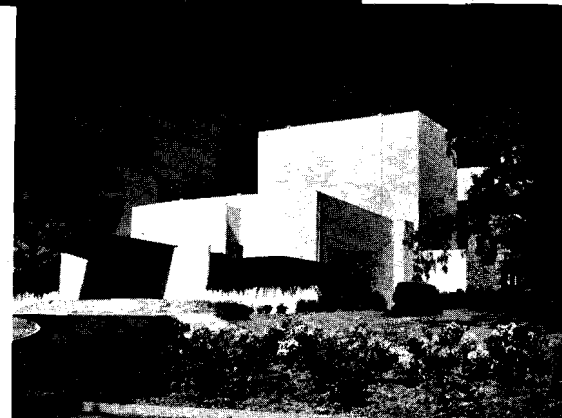
8:00- 9:00.....	Physical Basis for Restriction from Athletics
9:00-10:00.....	Principles of Field Examination and Treatment
10:00-12:00.....	Injuries to Shoulder and Upper Extremity
1:15- 3:15.....	Injuries to the Leg and Ankle
3:15- 5:30.....	Prineiples of Athletic Taping



Top—A full program in health and physical education is a feature of the summer session.

Center—The University Theater is the laboratory for summer work in theater arts.

Bottom—The class bell rings, and students pour out of Commonwealth Hall.



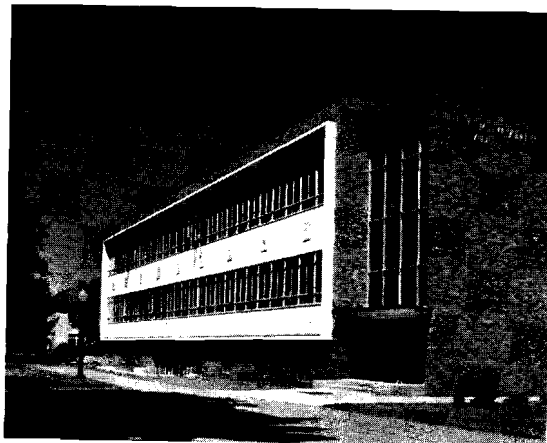
**Physical Education (Professional Courses)**

- PE 221. Games for the Elementary School.** 2 hours.  
Games of low organization for children from grades 1 through 6. Special emphasis on teaching methods. MTuWTh, 3:00. Hackett.
- PE 283. Dance for the Elementary School.** 2 hours.  
Rhythmic fundamentals, skills, and dances for children of grades 1 through 6. Special emphasis on teaching methods. MTuWTh, 2:00. Conner.
- PE 406. Special Problems.** Hours to be arranged.  
Individual study of special problems assigned by the adviser and approved by the dean of the school.
- PE 406. Special Problems: Boxing and Wrestling.** 2 hours.  
Instruction in fundamental skills of boxing and wrestling, with special emphasis on the methods and materials of instruction. MTuWTh, 4:00-5:30. Rhoda.
- PE 460. Physical Education in the Elementary School.** (g) 3 hours.  
An analysis and interpretive study of the objectives, standards, and activities of the elementary-school physical-education program. TuWThF, 8:00. Conner.
- PE 501. Research in Physical Education.** Hours to be arranged.
- PE 503. Thesis.** Hours to be arranged.
- PE 505. Reading and Conference.** Hours to be arranged.
- PE 506. Special Problems.** Hours to be arranged.  
Individual study of selected problems in the field of physical education, assigned by the adviser and approved by the dean of the school.
- PE 506. Special Problems: Athletic Injuries.** 3 hours.  
The prevention and avoidance of injury. Analysis of types of injuries, their care and treatment; taping, bandaging, massage, etc. Use of mechanical aids in preventing and care of injuries, emergency procedures, conditioning against injury. Prerequisite: consent of instructor. MTuWTh, 2:00. Sigerseth.
- PE 507. Seminar: Leadership Organization of Physical Education.** 3 hours.  
Advanced consideration of problems of teaching methodology. Available research bearing on teaching methodology and leadership organization will be reviewed. TuWThF, 8:00. Esslinger.
- PE 507. Seminar: Public Relations in Physical Education.** 3 hours.  
Nature and importance of public relations in physical education. Various media available to the physical educator will be reviewed. Factors militating against good public relations will be considered. TuWThF, 11:00. Davis.
- PE 507. Seminar: Philosophy of Physical Education.** 3 hours.  
Historical and contemporary philosophies of physical education, with implications for methodology and content of current programs. TuWThF, 9:00. Davis.
- PE 507. Seminar: Administration of Athletics.** 3 hours.  
Conduct of interschool athletics, including officiating, game management, finance, publicity, awards, purchase and care of equipment, eligibility, contest regulations, policies, and facilities. Problems and trends will be covered. TuWThF, 11:00. Sprague.
- PE 516. Intramural Organization and Management.** 3 hours.  
Nature and purposes of intramural programs; history of their development, departmental organization, relationship of the program to physical-education instruction, administrative problems of policy, supervision, and direction; scope of the program, finances, assignment of responsibilities. MTuWTh, 1:00. Washke.
- PE 517. Methods of Research.** 3 hours.  
Methods and techniques of research in health, physical education, and recrea-



Top—A summer education seminar meets outdoors in the sun.

Bottom—Allen Hall houses the School of Journalism and the University Press.



tion; practice in relation to problems of current interest. MTuWTh, 3:00. Clarke.

**PE 533. Techniques of Relaxation.** 3 hours.

First four weeks, June 23-July 18. The common causes of fatigue and neuromuscular hypertension; methods of combating them. Theories underlying techniques of relaxation; application of these techniques in daily living. MTuWTh, 3:00-5:00. Poley.

**PE 540. Statistical Methods in Physical Education.** 3 hours.

The use of norms, comparable scores, rating scales, and multiple regression as tools of research and interpretation of physical growth, physical status, and physical performance data. Prerequisite: elementary statistics. MTuWTh, 2:00. Clarke.

**PE 550. Current Movements in Physical Education.** 3 hours.

The different schools of thought and practice which determine the purposes and procedures in the professional field of physical education. Analysis of the Oregon and other regional public school programs. TuWThF, 10:00. Washke.

**PE 551. Administration of Physical Education.** 3 hours.

Organization and administration of physical-education programs at the college level. Emphasis on methods of administration. TuWThF, 8:00. Rhoda.

**PE 558. Curriculum in Physical Education.** 3 hours.

Basic elements and procedures of program construction in physical education. An advanced course for supervisors and administrators of physical-education programs. Special applications at city, county, and state levels. Students may develop programs for their own situations. TuWThF, 10:00. Sprague.

**PE 567. Motor Development.** 3 hours.

Second four weeks, July 21-August 16. Study of the acquisition of motor skills from infancy through adolescence. Prerequisite: consent of instructor. MTuWTh, 3:00-5:00. Poley.

**PE 575. Mechanical Analysis of Motor Skills.** 4 hours.

Application of the laws of mechanics to the analysis of techniques of the major and minor sports, gymnastics, and swimming and diving. MTuW, 4:00; Th, 4:00-6:00. Sigerseth.

## Physical Education (Service Courses)

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

For men and women. MTuWTh, 3:00 or 4:00. Washke.

**PE 180, 190, or 380, 390. Golf.** 1 hour.

For men and women. MW, 4:00-6:00; or TuTh, 4:00-6:00.

**PE 190 or 390. Swimming.** 1 hour.

For men. MTuWTh, 11:00.

**PE 180, 190, or 380, 390. Ballroom Dancing.** 1 hour.

For men and women. MTuWTh, 1:00. Conner.

**PE 190 or 390. Soccer.** 1 hour.

For men. MTuWTh, 5:00.

## Health Education (Professional Courses)

**HE 406. Special Problems.** Hours to be arranged.

Individual study of special problems, assigned by the adviser and approved by the dean of the school.

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

The purposes and requirements of the elementary-school health service program, with emphasis on organization and procedures for the school health examination, organization and presentation of teaching materials based on the health needs of the child, community needs and school health services. MTuWTh, 1:00. Hackett.

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

Methods and materials in health instruction for junior and senior high schools; emphasis on the preparation and construction of health teaching units. Prerequisite: HE 361, 362, 363 or consent of instructor. TuWThF, 8:00. Hackett.

**HE 465. School Health Services.** (G) 3 hours.

Purpose and procedures of health service in the schools; control of common communicable diseases; technique of pupil health appraisal by the teacher. Prerequisites: HE 361, 362, 363 or consent of instructor. TuWThF, 9:00. Haar.

**HE 506. Special Problems: Driver Education.** 3 hours.

Advanced driver-education instruction designed to prepare teachers to conduct driver-education courses in secondary schools. Organization and administration of driver education, personal psychological problems of driving, traffic enforcement, engineering, and safety teaching materials and methods of instruction driver education. Prerequisite: secondary-school teaching credential and basic driver-education courses. MTuWTh, 1:00. Haar.

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

Current basic issues and problems in health education; economic and social forces affecting health education; implications for programs of health education. Prerequisites: HE 464, 465 or consent of instructor. TuWThF, 11:00. Haar.

## History

Visiting Faculty: VARG, VENKATARAMANI.

Professors: BREEN, STEPHENSON.

Associate Professor: BINGHAM.

Assistant Professors: SELBY, SMITH.

Instructors: ALEF, PHINNEY.

**Hst 101. History of Western Civilization.** 4 hours.

Origin and development of Western civilization: ancient and mediaeval periods. First term of a year sequence. Daily, 2:00. Breen.

**Hst 102. History of Western Civilization.** 4 hours.

The early modern period, from the Renaissance to about 1815. Second term of a year sequence. Daily, 10:00. Alef.

**Hst 103. History of Western Civilization.** 4 hours.

Since about 1815. Third term of a year sequence. Daily, 8:00. Smith.

**Hst 201. History of the United States.** 4 hours.

The thirteen colonies, the American Revolution, and the early national period, to about 1840. First term of a year sequence. Daily, 9:00. Phinney.

**Hst 202. History of the United States.** 4 hours.

About 1840-1898. Second term of a year sequence. Daily, 11:00. Stephenson.

**Hst. 203. History of the United States.** 4 hours.

Since about 1898. Third term of a year sequence. Daily, 1:00. Venkataramani.

- Hst 405. **Reading and Conference.** 1-3 hours.  
Directed readings in a special field, followed by a written report or examination. Open only to students eligible for honors (cumulative GPA of 2.75).
- Hst 419. **Studies in Western Civilization.** (g) 4 hours.  
Selected studies in the history of Western civilization in the nineteenth and twentieth centuries, with special emphasis upon the rise of democracy, nationalism, imperialism, socialism, background of wars, attempts at international cooperation, the breakdown of colonial empires. Attention to biographies and other readings particularly useful to teachers. Daily, 10:00. Smith.
- Ed 440. **History of Education.** (G) 4 hours.  
General review of the development of education in relation to civilization; emphasis on educational philosophies. Daily, 1:00. Breen.
- Hst 449. **History of Russia.** (G) 4 hours.  
Revolutionary Russia and the Communist state. Daily, 9:00. Alef.
- Hst 472. **American Political Parties and Leaders.** (G) 4 hours.  
Emphasis on the period from the 1890s to the early 1930s. Daily, 9:00. Stephenson.
- Sst 478. **History of the Pacific Northwest.** (G) 4 hours.  
Not open to students who have taken Hst 377. Meets state requirement for certification. Daily, 8:00. Bingham
- Hst 479. **Forces and Influences in American History.** (G) 4 hours.  
Discussion of new interpretations of various periods in American history from colonial days to the present. Daily, 11:00. Selby.
- Hst 482. **The United States in the Twentieth Century.** (G) 4 hours.  
Since about 1933. Third term of a year sequence. Daily, 8:00. Varg.
- Hst 489. **Economic History of the United States.** (G) 4 hours.  
From the late nineteenth century. Third term of a year sequence. Daily, 10:00. Selby.
- Hst 501. **Research.** Hours to be arranged.
- Hst 503. **Thesis.** Hours to be arranged.
- Hst 505. **Reading and Conference: The Pacific Northwest.** Hours to be arranged.  
Bingham.
- Hst 505. **Reading and Conference: American Colonial History.** 2-4 hours.  
Selby.
- Hst 505. **Reading and Conference: Contemporary Russia.** 2-4 hours.  
Alef.
- Hst 505. **Reading and Conference: United States History.** 2-4 hours.  
Readings along lines related to the needs of teachers of American history in secondary schools; program adaptable to the group. Discussions and reports. Varg.
- Hst 505. **Reading and Conference: Modern European History.** 2-4 hours.  
Directed readings on historical topics drawn from the state course of study in world history and problems for secondary schools, such as the United Kingdom and the British Commonwealth, Africa, and the Middle East. Discussions and reports. Four or eight weeks. Smith.
- Hst 507. **Seminar: Twentieth-Century Historians of the United States.** 3 hours.  
Reading, discussion, and oral reports on major writers and their work. Stephenson.
- Hst 507. **Seminar: The Far East.** 3 hours.  
June 23-July 18. Social, economic, and political problems and trends in Japan,

China, and Korea, and their international relations. The development of Chinese Communism, and the role of the United States in the Far East will be emphasized. Planned especially for the Summer World Affairs program; see page 51. Varg, staff.

- PS 507. **Seminar: Western Europe.** 3 hours.  
Part of the special Summer World Affairs Program. See page 51.
- PS 507. **Seminar: South and Southeast Asia.** 3 hours.  
Part of the special Summer World Affairs Program. See page 51.
- Hst 530. **European History: Problems and Interpretations.** 3 hours.  
First term of a year sequence. Readings, reports, and group discussions of major trends, problems, and interpretations in modern European history, in the period of the Renaissance and Reformation. Breen.

## Journalism

Visiting Faculty: BROWN.  
Professor: DUNCAN.  
Associate Professor: WALES.

- J 341. **Principles of Advertising.** 4 hours.  
Advertising as a factor in the distributive process; the advertising agency; the "campaign"; the function of research and testing; the selection of media; newspaper, magazine, broadcasting, outdoor advertising, direct mail. Daily, 8:00. Wales.
- J 361. **Reporting.** 3 hours.  
Basic training in news writing and reporting. Lectures, individual conferences, and laboratory. MTuWTh, 1:00-3:00. Brown.
- J 455. **Supervision of School Publications.** (g) 4 hours.  
The teacher's role in guiding student publications in secondary schools and junior colleges. Daily, 9:00. Brown
- J 459. **Publicity and Public Relations.** (g) 4 hours.  
Basic techniques and methods in publicity programs for schools and other public institutions, business and professional fields, special interest groups. Relationship of publicity to broader concept of public relations. Daily, 11:00. Wales.
- J 501. **Research in Journalism.** Hours to be arranged.  
Duncan.
- J 503. **Thesis.** Hours to be arranged.  
Duncan.
- J 505. **Reading and Conference.** Hours to be arranged.  
Duncan.

## Library

Visiting Faculty: HOCKER.  
Assistant Professor: LADLEY.

- Lib 381. **Elementary Bibliography and Reference Materials.** 3 hours.  
Study of reference materials and services, and of correct bibliographical form; practical problems in the use of reference books in school libraries. MWThF, 8:00.

- Lib 484. **School Library Administration.** (g) 3 hours.  
Planned for school administrators as well as librarians. Particular emphasis on the place of the library in the instructional program. Problems of support and control; housing and equipment; standards; evaluation; objectives. MTuWF, 10:00.
- Lib 487. **Cataloging and Classification.** (g) 3 hours.  
Principles and methods of classification and cataloging books and related materials. Attention to the more difficult problems in the cataloging and recording of material. Prerequisite: Lib 386. MTh, 1:00-3:00; Tu, 1:00-2:00.
- Lib 488. **Books and Related Materials for Young People.** (g) 3 hours.  
The selection and evaluation of books and other materials for the junior and senior high-school library; a study of adolescent reading interests and the library's role in reading guidance. MTuWTh, 9:00 Ladley.
- Lib 490. **Children's Literature.** (g) 3 hours.  
An introductory course, designed to give elementary-school teachers and librarians an acquaintance with children's books and their use in the curriculum. MTuWTh, 11:00. Ladley.
- Lib 491. **Storytelling.** (g) 3 hours.  
A study of the literature, both traditional and modern, most suitable for oral presentation to children of all ages. Instruction and practice in the techniques of the art of storytelling. MWThF, 2:00. Ladley.
- Lib 505. **Reading and Conference.** Hours to be arranged.

## Mathematics

Professor: CIVIN.

Associate Professors: ANDREWS, GHENT, YOOD.

Assistant Professor: ANDERSON.

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 students can be met. Regular-session students should consult the head of the department before planning their programs.

Candidates for the Master of Arts, Master of Science, and Doctor of Philosophy degrees may obtain detailed information on requirements for those degrees at the Mathematics Office.

The following sequences are designed primarily for teachers working toward the degree of Master of Science in General Studies:

- Mth 479 (g), Mth 579. Algebra. 6 hours.  
Mth 489 (g), Mth 589. Geometry. 6 hours.  
Mth 499 (g), Mth 599. Foundations of Mathematics. 6 hours.

It is the intention of the department to offer at least three of the total six terms of work in these courses each summer; the courses will be scheduled in such a manner that a student may complete all of them in at most three summers. Mth 489, Mth 579, and Mth 599 are being offered this summer. Mth 479, Mth 499, and Mth 589 are scheduled for 1959; and Mth 489 and several other courses for 1960.

Each summer these special courses are supplemented by two or more regular-session courses which are of interest to teachers. This year Theory of Numbers (Mth 411) and Elements of Statistical Methods (Mth 425) will be offered.

- A special course, Mth 51, suitable for elementary-school and junior high-school teachers, is offered every summer.
- Mth 51. **Mathematics for Elementary Teachers.** 3 hours.  
Elements of arithmetic, algebra, and geometry. A required course in the elementary teacher training program. Daily, 9:00. Ghent.
- Mth 60. **Elements of Algebra.** 3 hours.  
Intended for students who have had less than one year of high-school algebra. May be integrated with Mth 51 if there is not sufficient enrollment to justify a separate section. Daily, 9:00.
- Mth 101. **Essentials of Mathematics.** 4 hours.  
Intermediate algebra, with applications. Intended for students who have had only one year of high-school algebra or who have not had algebra for some time. Daily, 9:00.
- Mth 105. **Introductory College Mathematics.** 4 hours.  
Topics selected from college algebra. Prerequisite: one and one-half years of high-school algebra or intermediate algebra in college. MTuWTh, 9:00.
- Mth 106. **Introductory College Mathematics.** 4 hours.  
Topics selected from trigonometry and analytic geometry. Prerequisite: one and one-half years of high-school algebra or a term's work in algebra in college. Daily at 11:00. Yood.
- Mth 201, 202, 203. **Calculus.** 4-12 hours.  
To be offered by reading and conference. Enrollment restricted to students who are sufficiently well prepared to do the work with little class instruction. Anderson.
- Mth 405. **Reading and Conference.** Hours to be arranged.
- Mth 411. **Theory of Numbers.** (G) 3 hours.  
Selected topics from the elementary theory of numbers. Prerequisite: consent of instructor. MTuWTh, 8:00. Ghent.
- Mth 425. **Elements of Statistical Methods.** (g) 3 hours.  
An introductory course in statistics. Integrated with Educational Statistics (Ed 515). Computing machines are available for student use. Prerequisite: consent of department. MTuWTh, 10:00. Andrews.
- Mth 489. **Geometry.** (g) 3 hours.  
Advanced topics in Euclidean geometry. Prerequisite: analytic geometry or consent of instructor. MTuWTh, 9:00. Civin.
- Mth 501. **Research.** Hours to be arranged.
- Mth 503. **Thesis.** Hours to be arranged.
- Mth 505. **Reading and Conference.** Hours to be arranged.
- Mth 507. **Seminar.** 1-4 hours.  
For graduate mathematics majors. Yood.
- Mth 579. **Algebra.** 3 hours.  
Selected topics, including determinants, matrices, systems of linear equations. Prerequisite: analytic geometry or consent of instructor. MTuWTh, 1:00. Anderson.
- Mth 599. **Foundations of Mathematics.** 3 hours.  
Fundamental concepts leading to a better understanding of mathematics. Prerequisite: consent of instructor. MTuWTh, 11:00. Civin.

## Music

Visiting Faculty: LOCKWOOD, SMITH.

Professor: KRATT.

Associate Professors: GREEN, VAGNER.

Assistant Professors: BITTNER, GUSTAFSON, JELINEK, LEE, RISINGER.

Instructor: MADSEN.

**Fees.** The following special fees are charged for private lessons in applied music (Mus 190, Mus 290, Mus 390, Mus 490, Mus 590): Piano, violin, viola, cello, and voice, one lesson a week for eight weeks, \$20.00; two lessons a week, \$33.00. Wind instruments, one lesson a week for eight weeks, \$14.00; two lessons a week, \$28.00. Practice-room fee: one hour daily for eight weeks, \$2.75.

### Mus 1. Piano. No credit.

Remedial class instruction for students who lack a practical knowledge of the keyboard. For majors in music education and elementary education, and for majors in applied music in fields other than piano. Prerequisite: consent of department.

### Mus 190. Applied Music. 1-2 hours.

Freshman year. Individual instruction in piano, voice, stringed instruments, orchestral and band instruments. Prerequisite: qualifying examination.

Piano—Bittner, Green.

Violoncello—Jelinek.

Voice—Smith.

Brass Instruments—Lee.

Woodwind Instruments—Vagner.

### Mus 290. Applied Music. 1-2 hours.

Sophomore year. Continuation of Music 190.

### MuE 317. Music Education: Elementary School. 3 hours.

Survey of methods and materials used in the teaching of vocal music in the public schools, with emphasis on supervision. Time to be arranged. Gustafson.

### MuE 318. Music Education: Junior High School. 3 hours.

Continuation of MuE 317. Time to be arranged. Madsen.

### MuE 351. Voice Class. 2 hours.

Study of voice problems in the public schools. MWF, 2:00. Gustafson.

### MuE 381. Music for Elementary Teachers. 3 hours.

Music activities for the elementary teacher. An introductory sequence designed to build basic musicianship through experiences related to the teaching of music in the elementary-school classroom. MuE 381 and MuE 382 must be taken in sequence. Required of majors in elementary education. MTuWTh, 3:00.

### MuE 382. Music for Elementary Teachers. 3 hours.

Continuation of MuE 381. MTuWTh, 4:00.

### MuE 383. Music Methods for Elementary Teachers. 3 hours.

Teaching the various music activities in the elementary schools. Required of majors in elementary education. Prerequisite: MuE 381, 382 or consent of instructor. MTuThF, 1:00. Gustafson.

### Mus 390. Applied Music. 1-2 hours.

Junior year. Prerequisite: Mus 290 or equivalent and qualifying examination for upper-division standing.

### Mus 394. Chamber Music. 1 hour each term.

Prerequisite: consent of instructor.

### Mus 395. Band. 1 hour.

Interpretation and performance of band literature, including the reading of selected music for high-school band. Open to all students. MTuWTh, 3:00. Vagner.

### Mus 396. Orchestra. 1 hour.

Interpretation and performance of orchestra literature, including the reading of selected music for high-school orchestra. Open to all students. TuTh, 2:00; W, 7:00-9:00 p.m. Jelinek.

### Mus 397. Chorus. 1 hour.

The preparation of a significant choral work in the larger form for public performance at the close of the summer session. Open to all students. MTuWTh, 1:00. Risinger.

### Mus 405. Reading and Conference. Hours to be arranged.

### Mus 407. Seminar: Analysis of Music Structure. (G) 2 hours.

For advanced students in music education. MWF, 2:00. Lockwood.

### Mus 407. Seminar: Theory. No credit.

Offers students an opportunity to remove deficiencies in theory, and to acquire the requisite facility in theory for upper-division and graduate study. MTuThF, 10:00. Green.

### MuE 407. Seminar: Techniques of the Marching Band. (G) 2 hours.

Second four weeks, July 21-August 15. The techniques of planning rehearsals, performances, and arranging music for outdoor presentation; new trends. Daily, 11:00. Lee.

### MuE 407. Seminar: Composition. (G) 2 hours.

Designed especially for teachers to stimulate interest in composition and in the arranging of choral and instrumental ensembles in the public school. W, 8:00-10:00; F, 10:00. Lockwood.

### MuE 407. Seminar: Advanced Choral Techniques. (G) 3 hours.

Techniques for the improvement of choral expression. Observation and laboratory experience. MTuThF, 10:00. Risinger.

### MuE 407. Seminar: Stringed Instruments. (G) 2 hours.

Study of the literature and performance practices of stringed instruments. MTuTh, 10:00. Jelinek.

### Mus 408. Seminar in Music History. (G) 3 hours.

Contemporary period. MTuThF, 8:00. Bittner.

### MuE 444. Choral Literature for Public Schools. (G) 2 hours.

Repertory of choral groups in secondary schools; problems of leadership, presentation, organization, and program planning. Prerequisite: consent of instructor. MWF, 11:00. Risinger.

### Mus 447. Wind-Instrument Literature. (G) 3 hours.

Survey of wind-instrument literature from the sixteenth through the twentieth century, with emphasis on interpretation. MTuThF, 9:00. Vagner.

### Mus 490. Applied Music. 1-2 hours.

Senior year. Continuation of Mus 390, which is prerequisite. For instructors, see Mus 190.

### Mus, MuE 501. Research. Hours to be arranged.

### Mus, MuE 503. Thesis. Hours to be arranged.

### Mus, MuE 505. Reading and Conference. Hours to be arranged.

### Mus, MuE 507. Seminar. Hours to be arranged.

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

Theory, supervision, curriculum, materials, and procedures of music teaching

in the elementary school. Research in problems involving music and related areas of instruction. MTuThF, 9:00. Gustafson.

**MuE 534. Music in the Junior High School.** 3 hours.

Continuation of the MuE 533. MTuThF, 11:00. Madsen.

**Mus 590. Applied Music.** 1-4 hours.

Individual instruction in piano, voice, orchestral and band instruments, at the graduate level.

## High-School Music Summer Sessions

Two two-week summer sessions for high-school students will be held on campus: for band, June 23-July 5; for chorus and orchestra, July 6-July 18. Observation of methods used in these sessions will be of particular interest to high-school music teachers.

## Physics

Professors: CH'EN, EBBIGHAUSEN, ELLICKSON.

Assistant Professors: CRASEMANN, EASTERDAY.

**GS 105. Physical-Science Survey.** 4 hours.

About half of the lectures will be devoted to a basic, introductory description of atomic and nuclear physics; the remainder will be concerned with selected topics in geology. Designed particularly for the elementary-school teacher. Daily, 11:00. Ebbighausen.

**Ph 412. Nuclear Physics.** (G) 3 hours.

Radioactivity and nuclear radiations, nuclear structure, isotopes, particle accelerators, and nuclear fission and fusion. Special attention will be paid to the problem of presenting these topics to high-school students. MTuWTh, 8:00. Ebbighausen.

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

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

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

**Ph 507. Seminar: Foundations of Physics.** 4 hours.

The basic principles of physics, with special attention to those commonly considered in high-school physics courses. The use, care, and construction of laboratory and demonstration equipment. Daily, 10:00. Ebbighausen.

## Political Science

Visiting Faculty: FOSS.

Professor: SCHUMACHER.

Associate Professor: DEAN.

Instructors: BLUMENTHAL, MARQUIS.

**PS 201. American Government.** 3 hours.

Provisions and principles of the United States Constitution; how they were formulated and how they have developed in American government and politics. MTuWTh, 9:00. Schumacher.

**PS 411. Public Administration.** (G) 4 hours.

Study of the organization and activities of government in carrying out public policy. Daily, 9:00. Foss.

## POLITICAL SCIENCE

**PS 414. Political Parties and Election Problems.** (G) 4 hours.

How the American system for choosing officials works. Illustrations from the politics of Oregon and of the nation, with special reference to the 1958 campaigns. Daily, 10:00. Schumacher.

**PS 427. Governments of Major European Powers: The U.S.S.R.** (G) 4 hours. Institutions, politics, and policies of Soviet Russia. Daily, 8:00. Marquis.

**PS 435. Issues of American Democracy.** (G) 4 hours.

Analysis of significant problems of the American political system: national power and state's rights; the growth of presidential power; the quest for congressional leadership; the rise of the welfare state; the demand for responsible parties; the Bill of Rights and the cold war; social change and the Constitution. Daily, 11:00. Dean.

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

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

**PS 505. Reading and Conference: American Political Issues.** Hours to be arranged. Schumacher.

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

For advanced graduate students who are at or past the master's level. Draws from the literature in the related fields of business administration, economics, social psychology, sociology, and political science. Particular emphasis on the fundamental research underlying human behavior as a basis for the theory and practice of administrative behavior. MTuWTh, 10:00-12:00. Culbertson, Dubin, Foss, Jacobson, Sundberg.

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

The background and perspectives of each of the social-science disciplines—anthropology, economics, political science, psychology, and sociology. Selected aspects of social organization and process considered in detail. Daily, 8:00-10:00. Campbell, Dean, Foskett, Littman, Smith, Tope.

## World Affairs Program

A Summer World Affairs Program will be held on the University campus from June 23 to July 18. It will consist of two parts: (1) seminars in which 6 term hours of credit may be earned; (2) panel discussions and addresses open to the general public.

Full-time students in the program will enroll in two of the following three seminars: The Far East, South and Southeast Asia, Western Europe. Each seminar carries 3 term hours of credit. The seminars will deal with the general social scene, with emphasis on the recent period. Teachers of social studies may work on a seminar project related to their teaching duties.

Each seminar will be conducted by an instructor who will draw upon a staff consisting of economists, political scientists, historians, anthropologists, and special visitors with competence in area problems. The program will also include two afternoon coffee hours and one evening lecture each week.

Seminar enrollment will be limited, with full-time participants given priority. For additional information, write to: Summer World Affairs Program, Department of Political Science, University of Oregon, Eugene, Oregon.

**PS 507. Seminar: The Far East.** 3 hours.

Social, economic, and political problems and trends in Japan, China, and Korea, and their international relations. The development of Chinese Communism, and the role of the United States in the Far East will be emphasized. Planned especially for the Summer World Affairs program. Varg, staff.

**PS 507. Seminar: Western Europe.** 3 hours.

Developments in the Western Europe area—social, economic, and political, including intra- and extra-European international relations. Particular emphasis will be given to Inter-European agencies such as the European Coal and Steel Community, the Common Market, and Euratom. Marquis, staff.

**PS 507. Seminar: South and Southeast Asia.** 3 hours.

Major problems and developments in the newly developing countries extending from the Philippines to Pakistan, and their international relations. Major problems involved in economic and social development will be stressed.

## Psychology

Associate Professors : BUEHLER, LITTMAN, LUCHINS, SUNDBERG.

Assistant Professors : PATTERSON, VON HOLT.

Instructor : LEWIS.

**Psy 201. General Psychology.** 3 hours.

Introductory study of behavior and conscious processes. Survey of experimental studies with reference to motivation, learning, thinking, and perceiving. MTuWTh, 9:00. Lewis.

**Psy 421. Principles and Methods of Psychological Assessment.** (G) 3 hours.

Consideration of problems in assessing personality. Comparison of interview method with psychological testing. Theoretical and statistical background for interpretation of test scores. Prerequisite: course in statistics of mental measurement. TuWThF, 11:00. Buehler.

**Psy 424. Individual Intelligence Testing Laboratory.** (G) 3 hours.

Supervised practice in administration, scoring, and interpretation of the Stanford-Binet tests. Psy 421 must be taken concurrently if it has not been taken previously. Prerequisite: consent of instructor. MTuThF, 9:00. von Holt.

**Psy 425. Individual Intelligence-Testing Laboratory.** (G) 3 hours.

Supervised practice in administration, scoring, and interpretation of the Wechsler tests. Psy 421 must be taken concurrently if it has not been taken previously. Prerequisite: consent of instructor. MTuThF, 10:00. von Holt.

**Psy 450. Abnormal Psychology.** (G) 3 hours.

Study of anxiety and its relation to normal and abnormal behavior; survey of various types of neurosis, psychosis, and characterological disorders in terms of changes in perception, thinking, and behavior. Evaluation of some prevalent theories of psychopathology. Influence of social-cultural factors in the development of abnormal behavior; a brief consideration of treatment methods. TuWThF, 10:00. Buehler.

**Psy 460. Developmental Psychology I: Infancy and Childhood.** (g) 3 hours.

Study of the growth and development of cognition, motivation, interests, learning, and skills in infancy and childhood, integrated with the study of the growth of social behavior and the acquisition of social and individual controls over behavior. Influence of parental patterns and environmental conditions on later personality development. MTuWTh, 8:00. Kersh.

**Psy 461. Developmental Psychology II: Adolescence.** (g) 3 hours.

Behavior changes during pre-adolescence and adolescence as related to physiological development and social and cultural factors. Emphasis on personal and social adjustment. Intended to follow Psy 460. MTuWTh, 11:00. Luchins.

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

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

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

**Psy 507. Seminar: Counseling and Psychotherapy.** 3 hours.

A critical study and evaluation of problems, pertinent theory, and practices in counseling, including the place of counseling knowledge and skills in interdisciplinary research and practice. Prerequisite: Psy 435 or equivalent TuTh, 7:30-9:20 p.m. Buehler.

**Psy 507. Seminar: Behavior Problems of Adolescence and Youth.** 3 hours.

A study of some of the everyday problems that educators and others have in their relationships with youth; e.g., problems related to discipline, teaching, and guidance. The discussion will be directed toward acquiring an understanding of the nature of youth, the nature of our society, and the relation between the two. MW, 9:00-10:50. Luchins.

**Psy 507. Seminar: Group Dynamics and Psychology of Small Groups.** 3 hours.

After a survey of some of the basic principles and current research in group dynamics, an attempt will be made to apply these to social structure and processes of the community, school, and small groups. Some discussion of current practices of group psychotherapy. TuTh, 9:00-10:50. Luchins.

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

The background and perspectives of each of the social-science disciplines—anthropology, economics, political science, psychology, and sociology. Selected aspects of social organization and process considered in detail. Daily, 8:00-10:00. Foskett, Smith, Tope, Campbell, Dean, Littman.

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

Practicum experience in diagnostic evaluation of child and family. Supervised counseling with children and adults. Enrollment limited. Prerequisite: consent of instructor. Patterson.

## Sociology

Visiting Faculty : MONACHESI.

Professors : BERREMAN, DUBIN, FOSKETT.

Assistant Professor : JOHANNIS.

**Soc 309. American Society.** 4 hours.

A general survey of the changing social institutions and value orientations in American society, with special emphasis on their implications for teachers and school administrators. Required of all majors. Prerequisite: Soc 204, 205, 206 or Soc 307. Daily, 9:00. Johannis.

**Soc 327. Introduction to Social Research.** 3 hours.

The nature of scientific inquiry; basic methods and techniques; examination of representative studies from the standpoint of methodology. Provides an understanding of the methods of collecting and analyzing data in the social sciences. Required of all majors. MTuWTh, 10:00. Monachesi.

**Soc 407. Seminar: The Prediction of Delinquent Behavior.** (G) 3 hours.

Review of techniques and problems in the prediction of delinquent behavior. TuTh, 2:00-4:00. Monachesi.

**Soc 408. Workshop: Family-Life Education.** (G) 4 hours.

August 4-15. The development of family-life education programs, including underlying philosophy, trends, methods, and materials. Daily 10:00-12:00; 1:00-3:00. Johannis.

**Soc 417. Juvenile Delinquency.** (G) 3 hours.

Critical analysis of the nature, extent, and causes of delinquent behavior. MTuWTh, 11:00. Monachesi.

- Soc 425. **Theory of Social Groups.** (G) 4 hours.  
Analytical study of the forms and types of human associations, with particular reference to society and the great associations. Daily, 9:00. Dubin.
- Soc 440. **Group Dynamics.** (G) 4 hours.  
Analysis of the dynamics of group interaction; significance and applications of the principles of group behavior for the teacher and group worker. Daily, 8:00. Johannis.
- Soc 501. **Research.** Hours to be arranged.
- Soc 503. **Thesis.** Hours to be arranged.
- Soc 505. **Reading and Conference.** Hours to be arranged.
- Ed 507. **Seminar: Nature and Problems of Administrative Behavior.** 3-6 hours.  
For advanced graduate students who are at or past the master's level. Draws from the literature in related fields of business administration, economics, social psychology, sociology, and political science. Particular emphasis on the fundamental research underlying human behavior as a basis for the theory and practice of administrative behavior. MTuWTh, 10:00-12:00. Culbertson, Dubin, Foss, Jacobson, Sundberg.
- Ed 507. **Seminar: Scope and Method of the Social Sciences.** 3-6 hours.  
The background and perspectives of each of the social science disciplines—anthropology, economics, political science, psychology, and sociology. Selected aspects of social organization and process considered in detail. Daily, 8:00-10:00. Foskett, Campbell, Dean, Littman, Smith, Tope.
- Soc 508. **Workshop: Intergroup Relations.** 3 hours.  
July 21-August 1. Designed for teachers and community leaders whose activities involve intergroup relations, either through classroom instruction or in informal community programs. Racial, religious, national, and other groups will be considered. The facts concerning the nature and significance of ethnic and cultural differences, the multigroup nature of American society, the nature and significance of prejudice and differential treatment based on ethnic and cultural differences. Daily, 9:00-11:00; 1:00-3:00. Berreman.

## Speech

Professors: ROBINSON, WOOD.

Associate Professor: MONTGOMERY.

Assistant Professors: COHEN, HINZE, PECK, SHEPHERD.

- Sp 111. **Fundamentals of Speech.** 3 hours.  
Projects in extempore speaking. Primary emphasis on content, organization, and adjustment to the speaking situations. MTuWTh, 8:00. Cohen, Montgomery.
- Sp 241. **Fundamentals of Broadcasting.** 3 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, comparative broadcast systems, and international broadcasting and propaganda. MTuWTh, 10:00. Shepherd.
- Sp 264. **Production Workshop.** 3 hours.  
Practical experience in the construction, painting, and handling of scenery, and the lighting of plays. Prerequisite: Sp 261, 262, 263 or concurrent registration. MTuWTh, 1:00. Peck.
- Sp 301. **Theory and Literature of Public Speaking.** 3 hours.  
Selected readings on the principles of public speaking, from Plato to modern times, with examples from oratory. MTuWTh, 11:00. Cohen.

- Sp 351. **Technique of Acting.** 3 hours.  
Principles of acting technique; problems in the analysis and presentation of character. MTuWTh, 10:00. Hinze.
- Sp 364. **Play Direction.** 3 hours.  
Sources of dramatic material, choice of play, casting and rehearsal of players, production organization. Practical experience in directing. 6 or more laboratory periods. MTuWTh, time to be arranged. Hinze, Robinson.
- Sp 411. **Speech for the Classroom Teacher.** 3 hours.  
Instruction in speech and speech forms designed for classroom use. MTuWTh, 9:00. Montgomery.
- Sp 448. **Radio-Television and the Public.** (G) 3 hours.  
The influence and importance of broadcasting as a social, political, and cultural force; the rights and duties of listeners; public opinion and propaganda influence. MTuWTh, 8:00. Shepherd.
- Sp 464. **History of the Theater.** (G) 3 hours.  
A historical study of the theater from ancient to modern times. MTuWTh, 9:00. Robinson.
- Sp 483. **Speech Defects and Disorders.** (G) 3 hours.  
Symptoms and causes of speech defects and disorders; emphasis on the basic pathology and diagnosis of organic problems; discussion of methods of treatment limited to general principles. MTuWTh, 9:00. Wood.
- Sp 484, 485, 486. **Clinical Practice in Speech Correction.** (G) 2-4 hours.  
Actual case experience and case study for student clinicians in the diagnosis and treatment of speech-defective children and adults, under supervision. MTuWTh, time to be arranged. Wood.
- Sp 487. **Rehabilitation of the Hard-of-Hearing.** (G) 3 hours.  
The nature of hearing; audiometry; clinical treatment procedures. MTuWTh, 1:00. Wood.
- Sp 501. **Research.** Hours to be arranged.
- Sp 503. **Thesis.** Hours to be arranged.
- Sp 505. **Reading and Conference.** Hours to be arranged.
- Sp 507. **Seminar: Creative Drama for Children.** 3 hours.  
MTuWTh, 11:00. Hinze, Peck, Robinson.
- Sp 507. **Seminar: Technical Problems of the Theater.** 3 hours.  
Time to be arranged; first meeting, Tuesday, June 24, 4:00. Peck.
- Sp 507. **Seminar: Improving Speech Curricula.** 3-4 hours.  
Time to be arranged; first meeting, Tuesday, June 24, 4:00. Montgomery.
- Sp 507. **Seminar: Directing the High-School and College Forensics Program.** 3 hours.  
Time to be arranged; first meeting, Tuesday, June 24, 3:00. Cohen.
- Sp 507. **Seminar: Problems of Education by Television.** 3 hours.  
MTuTh, time to be arranged; first meeting, Tuesday, June 24, 2:00.

