

CATALOG
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BULLETIN

SUMMER SESSION

EUGENE,
OREGON

UNIVERSITY OF OREGON



OREGON STATE SYSTEM OF HIGHER EDUCATION

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**UNIVERSITY
OF OREGON
SUMMER
SESSION**

1959 CATALOG

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, La Grande, Monmouth, and Salem.

Each of the institutions provides the general studies fundamental to a well-rounded education. At Oregon College of Education, Southern Oregon College, and Eastern Oregon College, students may complete major work in teacher education or general studies or enroll in a pre-professional program.

Portland State College offers major work in general studies and selected liberal arts and professional fields, as well as certain pre-professional programs.

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.

Six summer sessions are offered by the institutions of the State System of Higher Education. A brochure describing these sessions may be obtained by writing: Oregon 1959 Summer Session, P. O. Box 1491, Portland 1, Oregon.

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Summer Session 1959

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- EDWARD ZAMBARA, M.Mus., Assistant Professor of Voice.
- CHARLES F. ZIEBARTH, Ph.D., Associate Professor of Transportation.

Summer Session Calendar

JUNE 22. Registration.

JUNE 23. Classes begin.

JUNE 24. Last day for payment of registration fee without penalty.

JULY 1. Last day to add a course.

JULY 4. Independence day, holiday.

JULY 17. Last day to withdraw from a course.

JULY 20. Last day to file doctor's theses.

JULY 30. Last day to file master's theses.

AUGUST 12. Last day for master's and doctor's oral examinations.

AUGUST 13-14. Final summer session examinations.

The Summer Program

The fifty-fifth annual summer session of the University of Oregon will be organized as a single session of approximately eight weeks between June 22 and August 14, 1959.

Undergraduate Work

A large selection of lower-division courses will be offered in the 1959 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.

Admission through Prefreshman Program. Students who are unable to qualify for admission on the basis of their high-school record and test performance may qualify by achieving a minimum grade-point average of 2.00 (a C average) on a full load of study (at least 9 term hours) in a regular collegiate summer session. The summer program must include English composition and other courses chosen from the fields of literature, social science, or science.

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 University 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.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. If satisfactory knowledge and ability are demonstrated, the student is formally advanced to candidacy for the degree sought, subject to the approval of the dean of the Graduate School.

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 in 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 a wide variety of teaching fields. 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 1959 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.

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 17 to 28. 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.

Student Council Workshop. The fifth and sixth Student Council Workshops, sponsored jointly by the Oregon Association of Secondary School Principals, the Oregon State Department of Education, and the University, will be held August 16-28 (see page 34 for description). State and national leaders in student council work will be on the campus from August 16-21, 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.

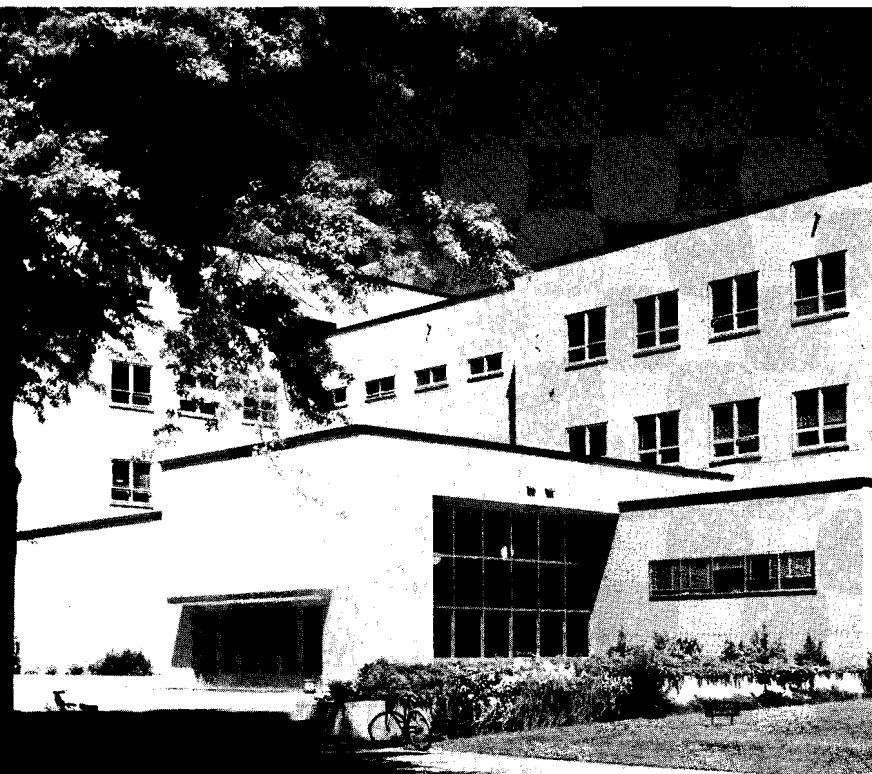
Registration Procedure

Students will register for the summer session on Monday, June 22, classes will begin Tuesday morning, June 23. 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 19, or on Saturday morning, June 20. 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 22.

Summer Session Fees

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

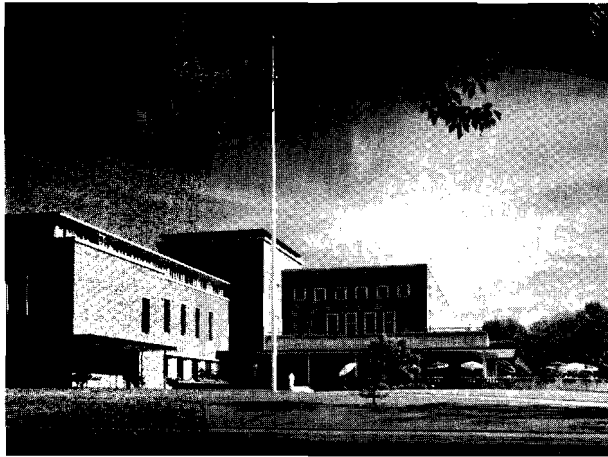
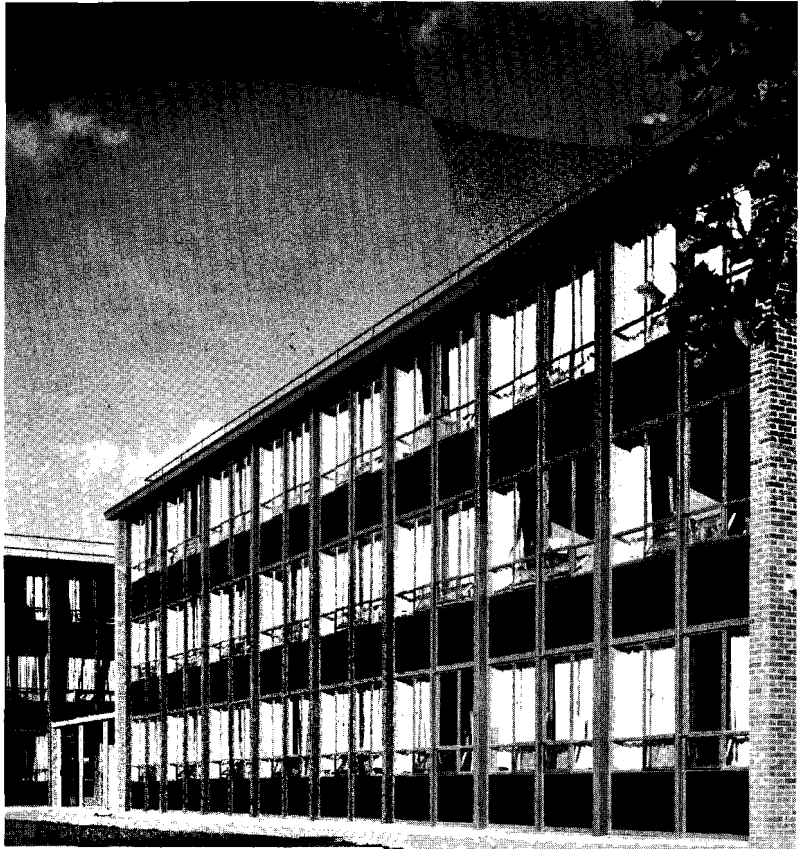


Top—The Science Building houses the Departments of Physics, Chemistry, and Biology.

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.

Registration fee	\$74.00
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 \$28.00.	
Part-time fee.....	\$18.00 to \$54.00
1 or 2 term hours, \$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 24.	
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 50

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 \$ 7.40
Withdrawing within first two weeks.....	Refund of all fees over \$18.50
Withdrawing after two weeks and before beginning of fifth week.....	Refund of all fees over \$37.00
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	68.00	75.50
Two-week session.....	16.00	21.00	29.25	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

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 29.....	90.50	100.50
	<u>\$181.00</u>	<u>\$201.00</u>

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 1 or if the second installment is not paid by July 29.

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 9:00 a.m. on Sunday, June 21. The first meal served will be breakfast on Monday, June 22. The dormitories will close at 7:00 p.m. on Friday, August 14. The last meal served will be the evening meal on Friday, August 14.

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.

* 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.

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.

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.

High-School Music Summer Sessions. Two two-week music summer sessions for high-school students will be held on the campus: for band, June 21-July 3; for chorus and orchestra, July 5-July 17. 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 17 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.

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.

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.

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.

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.

Graduate Placement. The University maintains a centralized office, the University Placement Service, which assists graduates or alumni in securing new or better positions in education, business, or government. The office is located in 124 Education Building. To be eligible for the service a student must be enrolled in, or have completed 8 term hours of work in residence, at the University.

The Museum of Art. The Museum of Art, housing the Murray Warner Collection of Oriental Art, will be open to students during part of the summer. Other exhibits scheduled during the summer months are June 23-October 4, "The Arts of Nepal," collection of Thomas O. Ballinger; June 23-October 4, paintings by Jack Wilkinson.

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 8:00 a.m. to 1:00 p.m., Monday through Friday.

Workshops and Conferences

- BA 407. **Seminar: Marketing Management Problems of Forest Industries.** 3 hours. July 6-17.
- BA 407. **Seminar: Current Problems and Trends in Teaching Clerical Practice.** 3 hours. July 20-August 7.
- BA 508. **Business Education Workshop: Current Problems and Trends in Teaching Typewriting.** 3 hours. June 23-July 3.
- BA 508. **Business Education Workshop: Current Problems and Trends in Secretarial Training.** 3 hours. July 6-17.
- BA 508. **Business Education Workshop: Current Problems and Trends in Teaching Office Machines.** 3 hours. July 20-31.
- BA 508, Ed 508. **Workshop: Family Financial Security Education.** 6 hours. June 22-July 17.
- Ed 508. **Workshop: Teaching Methods in Geography.** 3 hours. June 22-July 3.
- Ed 508. **Workshop: The Student Council.** 3 hours. August-17-28.
- Ed 508. **Workshop: Counseling for Employment Service Counselors.** 8 hours. June 15-July 17, July 20-August 21.
- Ed 508. **Workshop: Practicum in Parent-Child Counseling.** 3 hours. June 22-August 14.
- Ed 508. **Workshop: Practicum in High School Counseling.** 4 hours. June 22-August 14.
- Ed 508. **Workshop: Reading.** 2-4 hours. August 17-28.
- Ed 508. **Workshop: The School Administrator and the Guidance Program.** 3 hours. July 20-31.
- Eng 508. **Workshop: Curriculum Workers in Language Arts.** 3 hours. June 22-July 3.
- HE 506. **Special Problems: Traffic Safety.** 3 hours. June 22-August 14.

- MuE 407. **Workshop: Fred Waring Choral Techniques.** 2 hours. June 14-19.
- PE 408. **Workshop: Physical-Education Activities.** 1-7 hours. June 22-July 10.
- PE 508. **Injury Care Clinic.** June 19, 20.
- PE 508. **Coaching Clinic.** June 15-19.
- PE 508. **Workshop: Rehabilitation Institute.** 2 hours. July 26-August 1.
- Soc 508. **Workshop: Intergroup Relations.** 3 hours. July 6-17.
- High School Music Summer Session.** Band, June 21-July 3; Chorus and Orchestra, July 5-17.
- Mathematics Institute.** June 22-August 14.
- Television Workshop.** June 14-27.
- Western High School Press Institute.** August 17-22.
- World Affairs Program.** June 23-July 17.

Anthropology

Associate Professor: STERN.

Anth 414. **Race and Culture.** (G) 3 hours.

Racial classifications and comparisons; the biological base of culture; attitudes toward race in human relations; consideration of problems of racial conflict in the United States and elsewhere. Prerequisite: 9 hours in anthropology or consent of instructor. MTuWTh, 11:00. Stern.

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 processes considered in detail. Daily, 8:00-10:00. Tope, Campbell, Dean, Foskett, Fosmire, Stern.

Architecture and Allied Arts

Visiting Faculty: NEWTON, MARZUKI, REYNOLDS, IZQUIERDO.

Associate Professors: ROSS, WILKINSON, BALLINGER.

Instructors: SOEDER, NIXON.

Art Education

ArE 401. **Special Studies: Art of the Young Child.** 3 hours.

A creative approach to the art experiences of the preschool child. Workshop activities with simple tools and materials. Specific emphasis on the physical, mental, and emotional growth of the child. MTuWThF, 8:00-10:00. Ballinger.

ArE 401. **Special Studies: Art in the Elementary School.** 3 hours.

Study of art education in the secondary school, through laboratory work and individual research. Evaluation of current thinking in the field; application to classroom situations. MTuWThF, 8:00-10:00. Marzuki.

ArE 401. Special Studies: Calligraphy. 3 hours.

An intensive course in Italic lettering and handwriting. It is expected the student will acquire a fair degree of competence in writing edged-pen Italic. Discussions of the many uses of lettering in school and community. Various methods of teaching Italic will be examined and evaluated. MTuWTh, 1:00-3:00. Reynolds.

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

An investigation of the use of the history of art in the instructional program. Historical and critical approaches to the study of painting and sculpture. Illustrated lectures, readings, and class discussions. Of particular interest to history, art, and social science teachers and to librarians. WTh, 10:00-12:00. Newton.

ArE 405. Reading and Conference. Hours to be arranged.**ArE 411. Methods and Research Materials in Elementary School Art.** (G) 3 hours.

Second four weeks, July 20-August 14. An investigation of current trends and directives in elementary public school art education. Methods and laboratory practice in the effective use of materials and ideas in creative activities. Study of significant research and literature in the field. Prerequisites: ArE 311, 312; or one year of teaching experience. MTuWTh, 10:00-12:00. Marzuki.

ArE 501. Special Studies: Creative Arts—Dance, Music, Visual. 3 hours.

First four weeks, June 22-July 17. A special summer offering for elementary teachers. An opportunity to investigate the relationships of art forms as these pertain to design, rhythm, line, movement, space, color, etc. Will also be offered under MuE 501 and PE 501. MTuWTh, 10:00-12:00. Ballinger, staff.

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

Newton and Reynolds.

ArE 507. Seminar. 3 hours.

First four weeks, June 22-July 17. MTuWTh, 10:00. Marzuki.

ArE 535. Art and Architecture for the School Administrator. 3 hours.

First four weeks, June 22-July 17. Problems of the school administrator in the general field of art and architecture, including problems of school-plant design, problems concerning the place of art in the school curriculum, and problems of community planning. Lectures and studio demonstrations. MTuWTh, 8:00-9:00. Wilkinson, staff.

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. Soeder.

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, 1:00-4:00. Soeder.

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, 1:00-4:00. Soeder.

AA 501. Special studies. Hours to be arranged.**AA 505. Reading and Conference.** Hours to be arranged.**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, M, 9:00, and other hours to be arranged. Wilkinson.

* Students may enroll for either a four- or an eight-week period in drawing and painting courses.

Sculpture and 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 non-majors. MTuWTh, 10:00-12:00. V. Ross.

AA 256. Weaving (Beginning). 1-3 hours.

Introduction to the basic weaving techniques. The dressing, care, and manipulation of several types of looms. Experimentation with a wide variety of fibers. Production of textiles of original design on 4- and 12-harness looms. MTuWTh, 8:00-10:00. Nixon.

AA 257. Metalwork and Jewelry. 2 hours.

The handworking of nonferrous metals—copper, brass, pewter, silver, gold. Development of design for metal objects. Enameling on metal; centrifuge casting; lapidary work. MTuWTh, 1:00-3:00. Nixon.

AA 293. Elementary Sculpture. 1-3 hours.

Introduction to materials. Elementary considerations of form; technical and compositional exercises in clay, plaster, wood, and stone. Sections for pre-dental students and nonmajors. MTuWTh, 10:00-12:00. Izquierdo.

AA 455. Advanced Ceramics. (G) 2-4 hours.

Advanced studio work; individual projects. Emphasis on creative form. Study of material, texture, and functional relationships. Body and glaze making; earthenware, stoneware, and porcelain. Kiln atmospheres and effects on body and glaze. Students assume responsibility for firing their own work. Prerequisite: 6 term hours in AA 255. MTuWTh, 1:00-3:00. V. Ross.

AA 456. Advanced Weaving. (G) 2-4 hours.

Emphasis on creative work. Production of a wide variety of handwoven fabrics. Historical studies, fabric analysis, spinning, dyeing. MTuWTh, 8:00-10:00. Nixon.

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

Emphasis on creative work. Advanced problems in forging, sand and centrifuge casting, enameling, etching, lapidary work, brazing, welding, repousse, and tool making. MTuWTh, 1:00-3:00. Nixon.

AA 494. Advanced Sculpture. (G) 2-4 hours.

No-grade course. Coordination of sculpture with related fields of architecture, landscape, interior, and industrial design. MTuWTh, 8:00-10:00. Izquierdo.

History of Art

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

An investigation of the use of the history of art in the instructional program. Historical and critical approaches to the study of painting and sculpture. Illustrated lectures, readings, and class discussions. Of particular interest to history, art, and social science teachers and to librarians. WTh, 10:00-12:00. Newton.

AA 437. Contemporary Painting. (G) 1-2 hours.

For description see page 58.

AA 501. Special Studies: The Art Museum. 1 hour.

Study of the museum as the repository of artifacts. Exhibition techniques and organization. Use of the visual arts as historical and cultural documentation. The design and use of the school and community art museum. M, 9:00. Newton.

* Students may enroll for either a four- or an eight-week period in the sculpture and applied design courses.

AA 501. Special Studies: The Book. 2-4 hours.

The development of formal and informal handwriting from the first century A.D. to the present, with special emphasis on its relationship to the design and production of books. Book printing type faces and their relation to formal scripts. Lectures, demonstrations, visits to exhibitions of manuscript and printed books. Of special interest to librarians, language arts teachers, and writers. MTuWTh, 11:00. Reynolds.

Biology

Visiting Faculty: BACON, CRASEMANN, HAND, KOZLOFF, NEILAND, SPARLING.

Professor: SCHEER.

Associate Professors: FRANK, KEZER, SODERWALL.

Assistant Professor: MORRIS.

Instructor: CASTENHOLZ.

The Department of Biology offers a program of summer courses especially designed to meet the needs of teachers of biology. Courses are presented in a rotational pattern to permit students to acquire a substantial background in biology. The full program includes the following: General Biology, Field and Laboratory Methods in Biology, Introduction to Genetics, Mammalian Physiology, Microbiology, History of Biology, Field Botany, and Field Ornithology. Each summer one term of General Biology and one or more field courses will be offered at Eugene. In addition, the Oregon Institute of Marine Biology at Charleston on Coos Bay offers summer courses emphasizing marine biology and invertebrate zoology.

Bi 101, 102, 103 or equivalent is prerequisite to all upper-division courses in biology.

Bi 103. General Biology. 4 hours.

Fundamental principles of life science as illustrated by plants, with emphasis on structure, function, and evolution. This is the third term of the three-term sequence offered during the regular session. Students may start with Bi 103 without difficulty. Opportunity will be provided to acquire botanical field and laboratory techniques useful in science teaching. Lectures, MWF, 1:00. Laboratory, field work, and discussion, MWF, 2:00-5:00. Crasemann.

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 441. Introduction to Mammalian Physiology. (g) 4 hours.

Functional aspects of mammalian organisms, including organ-system integrations involving nervous, blood-circulatory, digestive, excretory, and endocrine components. Laboratory work consists largely of experiments on the white rat and includes use of metabolism cages, techniques of cannulation, drug administration, blood work, and biochemical procedures. Prerequisite: one year of chemistry. Lectures, MWF, 1:00. Laboratory, MWF, 2:00-5:00. Soderwall.

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

Field study of native vegetation. Identification and classification of seed plants, distribution of plants in relation to environment, characteristics and behavior of plant communities. Examples are drawn primarily from western Oregon, but methods are of general applicability. The course content includes material directly usable in the public schools. Lectures, laboratory, and field work, TuTh, 1:00-5:00, and several all-day Saturday field trips. Neiland.

Bi 541. History of Biology. 3 hours.

Lectures and discussions concerning the biological discoveries which have most influenced human life and thought, from a historical point of view. MTuWTh, 11:00. Scheer.

Bi 594. Laboratory and Field Methods in Biology. 4 hours.

Designed particularly to meet the needs of biology teachers. Field collection, identification, and culturing of living material. Utilization of this material in the experimental work of the biology teaching laboratory. Special techniques effective in demonstrating the dynamics of living processes. Field trips for the exploration of the various kinds of habitats found in the Northwest. Students should be provided with field clothes, hip boots or waders, and camping equipment. Consent of instructor required for enrollment. Lectures, discussions, laboratory and field work, MWF, 1:00-5:00, and four all-day Saturday field trips. Kezer, staff.

Oregon Institute of Marine Biology

The courses listed below will be offered at the Oregon Institute of Marine Biology, Charleston, Oregon. Detailed description of these courses is contained in a special announcement available on request to the Director of Summer Sessions or to Dr. R. W. Morris, Director, Oregon Institute of Marine Biology, Department of Biology, University of Oregon, Eugene.

Bi 401, 501. Research. Hours to be arranged.**Bi 403, 503. Thesis.** Hours to be arranged.**Bi 407, 507. Seminar.** 1 hour.**Bi 408. Laboratory Projects.** Hours to be arranged.**Bi 454. Algae.** (G) 4 hours.

Collection and study of representative marine algae; morphology, systematics, ecology, and life histories. Lectures, TuTh. Sparling.

Bi 456. Biology of Marine Organisms. (G) 8 hours.

Designed as an introduction to marine biology for college teachers who have had no firsthand experience in this field. Enrollment restricted. Lectures, MWF. Hand, Castenholz, staff.

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

Study of important marine habitats; their dominant animal and plant groups; relationships between environmental and biotic factors and the communities of organisms in the sea. Prerequisite: algebra, analytical chemistry, general physics; recommended: ecology, and statistics. Lectures, TuTh. Frank.

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

Survey of representative invertebrate groups, with emphasis on marine forms; morphology, systematics, ecology, and life histories. Lectures, MWF. Kozloff. Bi 461 and Bi 462 are independent courses of four weeks' duration, each carrying 4 hours of credit.

Bi 482. Invertebrate Embryology. (G) 4 hours.

Experiments by individual students and teams, on fertilization, cleavage, and larval stages of marine invertebrates. Prerequisite: two years of zoology or consent of instructor. Bacon.

Business Administration

Visiting Faculty: JONES, PLACE.

Professors: BALLAINE, BURRELL, LINDHOLM, REED.

Associate Professors: GREENE, WALES, ZIEBARTH.

Assistant Professors: HARWOOD, TAYLOR, WATSON.

Instructor: MARNIX.

BA 111. Fundamentals of Accounting. 3 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. MTuWTh, 8:00. Harwood.

SS 111. Stenography: Briefhand. 3 hours.

First four weeks, June 23-July 17. Briefhand is an easy-to-learn system for abbreviating longhand. Its personal-use value is great for people in all occupations. College students will find it the answer to the problem of taking lecture notes rapidly. Students will be able to double or triple their longhand writing rate in one term. Emphasis will be on skill development. Principles of and procedures for teaching Briefhand will also be included for participating teachers. Visiting lecturers will include Briefhand authors. Daily, 10:00-12:00. Marnix.

SS 121. Typing. 2 hours.

First four weeks, June 23-July 17. Theory and practice of touch typing. Speed and accuracy development. Emphasis on personal use of typing. Ninth-grade through twelfth-grade high school students may register without credit. Students with one year of high school typing may not take SS 121 for credit. Daily, 8:00-10:00. Marnix.

SS 213. Applied Stenography. 2 hours.

July 20-31. A refresher course for the improvement of secretarial skills and procedures. Topics to be covered include a review of stenographic skills, including typing, dictation, transcription, English usage. Special attention will be given to individual problems of class members. Daily, 7:00-9:00 a.m. Marnix.

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

Principles of management as applied to commercial and industrial concerns. Required of business-administration majors. Daily, 11:00. Ziebarth.

BA 222. Financial Institutions. 4 hours.

June 22-July 17. Structure, services, and economic effects of financial organizations and institutions with which consumers and business firms come in contact. Required of business-administration majors. Daily, 1:00-3:00. Reed.

BA 223. Elements of Marketing. 4 hours.

June 22-July 17. Methods, policies, and problems. Private and cooperative channels, auctions, exchanges, middlemen, demand creation, assembly, standardization, packaging, financing, risk taking, distribution. Required of business-administration majors. Daily, 8:00-10:00. Taylor.

BA 313. Managerial Accounting. 3 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. MTuWTh, 10:00. Harwood.

BA 322. Business Finance. 4 hours.

July 20-August 14. Introduction to the financial problems of new and established business enterprises; promotion, forms of organization, management of working capital, long-term capital. Prerequisite: BA 222. Daily, 1:00-3:00. Watson.

BA 332. Business Statistics. 3 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 business-administration majors. MTuWTh, 1:00. Harwood.

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 407. Seminar: Marketing Management Problems of Forest Industries. (G) 3 hours.

July 6-17. Current practices in the marketing of Northwest forest products; study of trends, policies, channels; appraisal of methods of control, competition, strategies; coordination of marketing with other phases of management. Daily, 2:00-5:00. Taylor.

BA 407. Seminar: Current Problems and Trends in Teaching Clerical Practice. (g) 3 hours.

July 20-August 7. Problems and procedures in teaching clerical and office practice. An intensive review of duplication methods, filing principles and systems, voice-writing equipment, and secretarial duties. Emphasis on improved teaching methods and materials. Daily, 10:00-12:00. Marnix.

BA 412. Personnel Management. (G) 3 hours.

Place and significance of personnel management in the modern business organization; personnel policies and practices conducive to good relations with business employees. Personnel problems of small organizations. MTuWTh, 11:00. Jones.

BA 427. Real-Estate Appraising. (G) 3 hours.

Specific factors affecting the value of land and buildings; effect of city structure, zoning, and city planning; demonstration of various techniques in appraising; preparation of an appraisal report. Prerequisite: BA 425. MTuWTh, 8:00. Burrell.

BA 429. Production Management. (G) 3 hours.

Nature and scope of production processes; economic, technological, regional, and managerial organization of production; plant location; design and layout; planning of plant investment; working-capital investment and labor costs; planning production operations. Prerequisite: BA 111, 112, 113; BA 221, 222, 223. MTuWTh, 2:00. Ziebarth.

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

Retail policies and problems. Stock-control systems; methods of sales promotion, buying, plant operation, personnel, credit, turnover, pricing, expense classification, and distribution. Daily, 8:00. Jones.

BA 442. Principles of Salesmanship. (G) 3 hours.

Principles and techniques of personal salesmanship; selling reactions. From the standpoint of seller and buyer. MTuWTh, 9:00. Jones.

BA 463. Investments. (G) 3 hours.

Detailed study of investment instruments, security markets, and investment services. Investment policies for individuals; analysis and valuation of securities. MTuWTh, 11:00. Burrell.

BA 507. Seminar: Problems in Business Forecasting. 3 hours.

Examination of the usefulness of business and economic data—national income accounts, banking and monetary quantities, production and inventory levels—in estimating general business trends, prospects of a particular industry, and fluctuations in an area of economic activity of geographical region. MTuWTh, 9:00. Lindholm.

BA 507. Seminar: Developments in the Administration of Business Practices. 3 hours.

June 22-July 3. For teachers of business subjects, social sciences, and others interested in keeping abreast of new developments in business. Daily, 2:00-5:00. Taylor.

BA 508. Workshop: Family Financial Security Education. 6 hours.

First four weeks, June 22-July 17. Aspects of money and banking, insurance, real estate, investments, estates, and family financing related to family financial security. Designed for classroom teachers, principals, superintendents, curriculum directors, guidance counselors, teacher-training instructors, and other administrators. Admission by prior application. Daily, 8:30-4:00. Greene, Robinson, staff.

BA 508. Business Education Workshop: Current Problems and Trends in Teaching Typewriting. 3 hours.

June 23-July 3. Improvement of instruction in teaching typewriting; methodology, testing and grading, development of teaching materials, problems of space and equipment, use of audio-visual aids. Daily, 1:00-4:00. Place.

BA 508. Business Education Workshop: Current Problems and Trends in Secretarial Training. 3 hours.

July 6-17. Improvement of instruction in the secretarial subjects (short-hand, office practice, secretarial practice) through study of methodology in teaching; trends in office and records management; teaching materials for Certified Professional Secretaries examination; counseling and extracurricular problems. Daily, 1:00-4:00. Place.

BA 508. Business Education Workshop: Current Problems and Trends in Teaching Office Machines. 3 hours.

July 20-31. Improvement of instruction in office machines; office mechanization, duplicating functions, voice-recording equipment, adding and calculating equipment. Trends in equipment and teaching. Intensive review of typical machines in each category. Developments in electronic-data and integrated-data processing as they affect office functions. Daily, 1:00-4:00. Place.

BA 530. Managerial Economics. 3 hours.

The varied forms in which economic concepts appear in business operations. Uses to which the tools of economic analysis can be put in managerial decision making. Emphasis on the individual firm, rather than on the economy as a whole. MTuWTh, 11:00. Ballaine.

Chemistry

Visiting Faculty: REYNOLDS.

Ch 320. Elementary Quantitative Analysis. 5 hours.

Secondary teachers may enroll for this work in Ch 429 (g). Lectures on the fundamentals of quantitative analysis. Laboratory work devoted mainly to volumetric analysis. 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. Reynolds.

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

Students wishing laboratory instruction not classifiable as research or thesis may seek permission to register under this number.

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

Intended specifically for teachers of science in 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. Reynolds.

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

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

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

Economics

Visiting Faculty: JOHNSON, BLUMEL.

Professors: KLEINSORGE, MACY.

Assistant Professors: CAMPBELL, SELBY.

Ec 201. **Principles of Economics.** 3 hours.

Principles of production and exchange. Markets, prices, and allocation of resources. MTuWTh, 9:00. Johnson.

Ec 202. **Principles of Economics.** 3 hours.

Personal income distribution. Sources of national income. Public policy toward sectors of the economy. MTuWTh, 11:00. Blumel.

Ec 407. **Seminar: Principles and Problems of Government Finance.** (g) 4 hours.

Basic issues involved in financing government. Theory and its application to contemporary problems of Federal, state, and local units. Daily, 9:00. Macy.

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

Selected current economic problems in the United States. Analysis and evaluation of proposed solutions. Daily, 11:00. Johnson.

Ec 447, 448. **Collective Bargaining.** (G) 4 hours.

Major techniques of negotiation. Union and management policies; strikes and lockouts. Methods of settling labor disputes. Daily, 8:00. Kleinsorge.

Ec 488. **Economic History of the United States.** (G) 4 hours.

About 1840-1900. The South, industrial society, the labor movement, and the closing of the frontier. Second term of a year sequence. Daily, 10:00. Selby.

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

Kleinsorge, Macy.

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

Kleinsorge, Macy.

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

Kleinsorge, Macy.

Ec 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. May not be taken for credit by advanced-degree candidates in economics. Daily, 8:00-10:00. Tope, Campbell, Dean, Foskett, Fosmire, Stern.

Education

Visiting Faculty: DREIKURS, EAST, ENGLEMAN, ERICKSON, HAEFNER, HOGG, JOHNSON, MATHERS, POWELL, SEKERAK, SIMMONS, WARD, WILSON, WOOD.

Professors: CASTELL, CLARKE, HEARN, JACOBSON, KAMBLY, POWELL, ROMNEY, TOPE.

Associate Professors: CULBERTSON, DILS, FOSMIRE, GOLDHAMMER, GRAHAM, GREENE, LOWE, RHODA, ROBINSON, RUMMELL, SANDIN, STERN, STOVALL, WALES.

Assistant Professors: KERSH, KRAUS, LADLEY, LALLAS, NYE, SCHAAF, SNOW, STARR.

Instructors: MATTSON, MYERS, TEN BRINKE.

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. MTuWTh, 2:00.

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, 9:00. 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, 8:00. Kersh.

Ed 405. **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 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. Rummel.

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

Second four weeks, July 20-August 14. 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, 3:00-5:00. Sekerak.

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

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

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, 8:00. Castell.

Ed 446. Modern Philosophies of Education. 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, 11:00. 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.

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. Fosmire.

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. Myers.

Lib 490. Children's Literature. 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, 10:00. Ladley.

Lib 491. Storytelling. 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. MTuWTh, 1:00. 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, 10:00. 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: Advanced Educational Psychology. 4 hours.

Implications of social influences—the family, peer groups, social class, the local community, and minority group status—upon child development. Not open to students who have taken Ed 317. Daily, 1:00. Kersh.

Ed 507. Seminar: Supervision of School Publications. (g) 4 hours.

Second four weeks. The teacher's role in guiding student publications in the secondary school; all phases of student newspaper and yearbook work. Daily, 1:00-3:00. Mr. and Mrs. Knispel.

Ed 507. Seminar: Publicity and Public Relations. (g) 4 hours.

Basic techniques and methods in publicity programs for schools and other public institutions, business and professional fields, and special-interest groups; relationship of publicity to broader concept of public relations. Special emphasis on school public relations. Daily, 11:00. Wales.

Ed 508. Workshop: Family Financial Security Education. 6 hours.

First four weeks, June 22-July 17. Aspects of money and banking, insurance, real estate, investments, estates, and family financing related to family financial security. Designed for classroom teachers, principals, superintendents, curriculum directors, guidance counselors, teacher training instructors, and other administrators. Admission by prior application. Daily, 8:30-4:00. Greene, Robinson, staff.

Sp 508. Workshop: Educational Television. 4 hours.

June 15-17. An intensive program of class and laboratory work, for teachers and administrators, in the arts and skills of production and performance in education by television. Daily, 9:00-12:00, 2:00-5:00. Shepherd, Lewis, Ramey.

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, 10:00. Rummel.

Ed 515. Educational Statistics. 3 hours.

Use and interpretation of elementary statistical techniques with applications in educational research. Includes use of measures of central tendency and of variability, graphic representation, large sample error theory and simple correlation analysis in the evaluation of test materials. Calculus not required. MTuWTh, 2:00. Rhoda.

Ed 516. Educational Statistics. 3 hours.

The logic of statistical inference; tests of statistical hypotheses, small sample theory, special sampling techniques, analysis of variance, and advanced correlational analyses. Prerequisite: Ed 515 or equivalent. MTuWTh, 2:00. Clarke.

Ed 566. Curriculum Construction. 3-4 hours.

First four weeks, June 22-July 17. Survey and appraisal of curricular patterns; state and city programs; courses of study in major subject areas; techniques of course-of-study planning. Daily, 2:00. Haefner.

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 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.

WELCOME TO THE UNIVERSITY OF OREGON!

We're looking forward to having you with us this summer and hope that you will find it one of the most profitable and pleasant summers you have ever known.

While studies will be foremost on your program, an outstanding schedule of cultural and récreational activities have been planned for you.

Many of you will be visitors from other states. We hope that you particularly will seize on the many opportunities to see Oregon at its loveliest.



Take A Trip . . .

Tours have been planned to many of Oregon's most magnificent scenic spots . . . to the desert country of the state's central plateau . . . to the famous Oregon coast . . . to the great Cascade Mountain range with its dense forests and sparkling lakes. Among the trips from which you can choose are these:

Rogue River and the Oregon Coast: Leaving Eugene on a Saturday morning, the tour will follow the rugged Oregon coast to the mouth of the Rogue River at Gold Beach. The group will stay in Gold Beach Saturday night and on Sunday take the mail boat up the Rogue River. One of Oregon's most beautiful and turbulent rivers, the Rogue flows through Oregon's most inaccessible regions. The boat trip covers about 30 miles between trackless stands of virgin timber to the community of Agnes, where the bus will meet the tour and return to Eugene.

Crater Lake: Oregon's most awe-inspiring scenery will be visited on a one-day trip. Leaving Eugene on a Sunday morning, the tour will travel over the Willamette Pass to Oregon's high plateau. Power dams and cascading water falls are the high points of this phase of the trip. After winding up the side of the extinct volcano, Mt. Mazama, the tour members will view the wonder of Crater Lake. After lunch at the Lodge, the tour will continue on a drive around the rim of the crater. A park ranger will describe the mighty forces that created this phenomenon, while the visitor sits in a viewing room, suspended on the edge of the crater rim. The bus returns to Eugene on Sunday evening.

McKenzie River and the Lava Beds: This is a one-day trip by bus up the McKenzie River Highway to Oregon's high plateau. The chief attraction of this trip will be the lava blanket, covering thousands of acres, which was created by volcanic activity during the prehistoric era. From the viewpoint at the top of the McKenzie Pass, the tour members can see many of the major extinct volcanos of Oregon. This area is in the shadow of the majestic Three Sisters, snow-capped peaks of the Cascade range. A geologist from the University faculty will accompany this group.

The Oregon Coast: A one-day trip to the Oregon coast at Florence and then north to Otis Junction. With frequent stops along this route, the members will see what has been described as the most magnificent coast line in the world. A geologist from the University faculty will explain the significance of the many natural phenomena, which should make this trip an exciting and rewarding experience.

Centennial Exposition: Two visits are planned to Oregon's big Birthday Party in Portland, the 100th Anniversary Centennial Exposition and World Trade Fair. This will be the largest show of this type ever seen in the Northwest.

The Fossil Beds and John Day: An overnight trip will leave on a Saturday morning for central Oregon and the fossil beds in the John Day area. This is the ocean floor of Oregon's ancient inland sea; it has been a fertile hunting ground for archeologists in their search for fossils. An archeologist from the University faculty will guide the tour and explain the many points of interest. The Rock Gardens at Bend will be a port of call on the return trip. A miniature village has been built here, entirely of small rocks and lava.

Weyerhaeuser Tour: For a close look at Oregon's major industry, a tour through a giant Weyerhaeuser Lumber Mill is planned, with a visit to the logging woods included. The tour members will see "High Lead Shows" and "Cat Sides" in operation and many other phases of the traditional "logging woods" in Oregon.



For the family . . .

The University and the city of Eugene offers many recreational facilities for summer students and their families.

On Campus:

Tennis courts are available for your use at all times, except when they are being used for classes.

Swimming instruction is provided for both boys and girls, as well as recreation swimming for men, women, and families at designated times.

The millrace, located on the campus, is a delightful picnic spot.

The recreation area in the Erb Memorial Student Union provides bowling alleys, billiards, shuffleboard, and table tennis.

Off Campus:

The city of Eugene operates six supervised playgrounds and two swimming pools during the summer, in various areas throughout the city.

The Oakway Golf Course is available to the golf enthusiast.

Within easy driving distance are a number of state and county parks and picnic areas, as well as several lakes and rivers for boating, swimming, and fishing. Trout streams run through the city.

On the cultural side . . .

Well-known lecturers will be featured on the Thursday evening assembly-lecture series, and the Browsing Room lecture series, always popular, will feature visiting lecturers and members of our faculty.

Concerts, music-lectures, and other musical offerings will be presented by the School of Music throughout the summer.

The University Theater has an outstanding summer of entertainment planned for you, including both main stage and arena style shows.

In this centennial year, the Erb Memorial Union Art Gallery will present an exhibit of scale model horse-drawn wagons, made by Ivan Collins, designer at the University of Oregon Physical Plant. The exhibit will run throughout the summer.

The Museum of Art, open daily, houses the Gertrude Bass Warner Collection of Oriental Art. Among many treasures are a large collection of Chinese paintings by ancient masters. A "children's room" is particularly popular with the younger set. Featured in the second floor lobby is an Imperial Jade Pagoda, largest of its type, valued at \$75,000.

The Museum of Natural History houses many fascinating exhibits, featuring fluorescent minerals, masks of Northwest Coast Indian tribes, a demonstration of the origin of volcanic rock, the manufacture of primitive weapons, birds of the Pacific Coast, and many others.

Strictly for fun . . .

The annual Terrace Dance, featuring bridge and entertainment as well as dancing, should be of interest to most summer session students.

Club Intime, a night club style review, held weekly in the Erb "Fishbowl," provides a fun evening of entertainment and dancing.

A weekly feature movie program is open to all summer students and their families free of charge.



Ed 407. Seminar: Reading in the Elementary School. 3 hours.

Reading, reading readiness, the psychology of the reading process, reading skills in relation to other parts of the curriculum, diagnostic and remedial measures. MTuWTh, 11:00. Powell.

Ed 507. Seminary: 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 508. Workshop: Teaching Methods in Geography. 3 hours.

Two weeks, June 22-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. Stovall, Patton.

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, 2:00. Powell.

Ed 536. Language Arts in the Elementary School. 3 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. MTuWTh, 9:00. Powell.

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. Nye.

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. 3 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. MTuWTh, 9:00. Sandin.

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

Intended for mature students of elementary education who are preparing for administrative or supervisory positions. Characteristics of good elementary schools, leadership responsibilities and processes, curriculum improvement, school organization patterns, pupil personnel policies, and school-community relationships. The topics considered are also of interest to experienced elementary school teachers. MTuWTh, 10:00. 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. Prerequisite: Ed 310, Ed 312. MTuWTh, 2:00. 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. MTuWTh, 8:00. Kraus.

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.

Second four weeks, July 20-August 14. 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, 10:00-12:00. Hearn.

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

Post session, August 16-28. Aims and objectives of the student council; organization, group processes, council problems and projects; evaluation of the council's program. Designed especially for the 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 22-July 17. 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, 8:00-10:00. Hearn.

Ed 523. School Activities. 4 hours.

Second four weeks, July 20-August 14. 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, 8:00-10:00. Wood.

Ed 527. Secondary-School Administration and Supervision. 4 hours.

Second four weeks, July 20-August 14. The secondary-school principalship; principles of administration, staff relationship, public relations, and professional growth; business administration, administration of guidance services, curriculum and school activities; evaluation of the secondary school. Daily, 1:00-3:00. Robinson.

Ed 593. Methods in Secondary-School Language Arts. 3-4 hours.

Designed for administrative and supervisory personnel as well as for classroom teachers. Provides an opportunity for students to become familiar with research concerning each problem, as well as to witness and participate in actual demonstrations in the teaching of literature, grammar, and composition. Prerequisite: teaching experience or consent of instructor. Daily, 11:00. Kraus.

Ed 594. Methods in Secondary-School Mathematics. 3-4 hours.

First four weeks, June 22-July 17. Emphasis on the development of proficiency in the use of the problem-solving approach to teaching topics in arithmetic, algebra, geometry, and advanced high-school mathematics. Strengths, inadequacies, and needed revisions in the present-day mathematics curriculum. Prerequisite: teaching experience or consent of instructor. Daily, 8:00-10:00. Schaaf.

Ed 595. Methods in Secondary-School Science. 3-4 hours.

Second four weeks, July 20-August 14. Selection of materials; demonstrations; use and care of meters, microscopes; science test construction; devices for instructional use. Prerequisite: teaching experience or consent of instructor. MTuWTh, 8:00-10:00. Ten Brinke.

Ed 596. Methods in Secondary-School Social Studies. 3-4 hours.

Second four weeks, July 20-August 14. Problems selected from the following areas: trends in the social-studies curriculum, the unit method of teaching, teaching reflective thinking, the core curriculum, teaching current affairs, evaluation techniques, social studies materials, and teaching techniques. Students may work on problems of special interest and prepare materials for use in junior and senior high-school classes. Prerequisite: teaching experience or consent of instructor. Daily, 1:00. Haefner.

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 for a graduate program in guidance.

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

The need for guidance services in the schools; tests, inventories, questionnaires, and records; the role of the home and the community in guidance; counseling the individual student. MTuWTh, 9:00. Lallas.

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. TuTh, 2:00-4:00. Wilson.

Ed 507. Seminar: Adlerian Theory. 2 hours.

An historical consideration of the contributions of Alfred Adler to the behavioral sciences; emphasis on the application of Adler's principles to current practices in community mental health. Prerequisite: advanced graduate standing in the behavioral sciences. MTuTh, 1:00. Dreikurs.

Ed 508. Workshop: Counseling for Employment Service Counselors. 8 hours.

Five weeks, June 15-July 17; also offered five weeks, July 20-August 21. A workshop for employment service counselors. A study of factors related to effective counseling, including principles of personnel work, psychology of individual differences, personality theory, psychology of occupations, measurement and statistics, psychological assessment, and practical experience in counseling under supervision. Open only to employment service counselors. Daily, 9:00-12:00, 1:30-3:30. Mathers, Lowe, Wilson.

Ed 508. Workshop: Practicum in Family Counseling. 3 hours.

Designed for selected graduate students seeking to develop skills in family counseling in a group setting. Includes theoretical assumptions underlying family counseling and the role of family counseling through education. Observation and practicum experience afforded. Emphasis on the educational aspects of counseling and the organization and administration of family counseling programs. Prerequisite: Consent of instructor. MW, 2:00-4:00. Dreikurs.

Ed 508. Workshop: Practicum in High-School Counseling. 4 hours.

Designed for graduate students seeking to develop skills in counseling at the junior and senior high-school level. Includes observation, staffing of cases, counseling and case writing. Counseling sessions are conducted in the University Counseling Center. Prerequisite: consent of instructor. Daily, 1:00-5:00. Lowe.

Ed 526. High-School Counseling. (G) 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, 10:00. 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) 1-9 hours.

Supervised clinical practice in diagnosis and remediation of exceptional children. Prerequisite: Ed 465. Daily, 10:00-12:00. 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, 9:00. East.

Ed 463. **The Maladjusted Child.** (G) 3-4 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. TuTh, 2:00-4:00. Dreikurs.

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

The psychology, education, and guidance of the mentally retarded child. MTuWTh, 8:00. East.

Ed 465. **Diagnostic and Remedial Techniques.** (G) 4 hours.

Diagnostic, remedial, and corrective techniques in basic school subjects; application of techniques to actual cases. Daily, 9:00.

Ed 466. **The Gifted Child.** (G) 3-4 hours.

A consideration of the problems involved in providing the best possible education for children with high ability and special talent. MTuWTh, 11:00. East.

Ed 471. **Administration of Special Education.** (G) 3 hours.

Organizing, financing, housing, equipping, staffing, and supervising the special-education program. Desirable provisions for each type of handicapped child. Prerequisite: consent of instructor. MTuWTh, 1:00. Gubser, staff.

Ed 480. **Psychology of Reading Instruction.** (G) 3-4 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. Prerequisite: consent of instructor. Daily, 1:00.

Ed 507. **Seminar: Curriculum and Methods of Teaching the Mentally Retarded.** 6 hours.

Organization and administration of the educational program for the mentally retarded; nature and scope of the curriculum; methods and materials of instruction. Prerequisite: consent of instructor. Daily, 2:00-4:00. Mattson, Simmons.

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. Mattson, Simmons.

Ed 508. **Workshop: Reading.** 2-4 hours.

Post session, August 17-28. An intensive course for teachers, reading clinicians, and administrators covering techniques, materials, and school programs in corrective and developmental reading. Demonstrations and laboratory practice will be emphasized. Prospective students should notify the School of Education by July 1. Johnson, staff.

Educational Administration

Ec 407. Seminar: Principles and Problems of Government Finance. (g) 4 hours.

Basic issues involved in financing government. Theory and its application to contemporary problems of Federal, state, and local units. Daily, 9:00. Macy.

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.

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, Foskett, Fosmire, Stern.

Ed 507. Seminar: School Personnel Policies and Procedures. 3 hours.

The theory and practice of school personnel administration. Development of principles and procedures in areas of recruitment, selection, terms of employment, assignments, orientation, in-service education, appraisal, promotion, salary programs, tenure, leaves, separations, public relations and professional ethics. MTuWTh, 8:00. Dils.

Ed 507. Seminar: School Surveys. Hours to be arranged.
Goldhammer.

Ed 507. Seminar: Selected Problems in School Administration. 3-6 hours.

Second four weeks, July 20-August 14. Students may enroll for two or four weeks. Analysis of recent studies in the field of leadership, special problems of personnel administration, curriculum improvement, superintendent-school board relations. Program will be oriented toward the problems administrators bring to the class. Daily, 9:00-12:00. Engleman.

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

July 6-17. Enrollment open to school principals, supervisors, and superintendents only. The principles and functions of a guidance program; developing, staffing, and evaluating guidance services at all levels in the public schools. Daily, 10:00-12:00, 1:00-3:00. Erickson.

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, Ward.

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, 8:00. 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.

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, 9:00. Romney.

English

Visiting Faculty: BLISS, ENGLE.

Professors: HOELTJE, SVENDSEN.

Associate Professors: HALL, WEGELIN.

Assistant Professors: OSWALD, MUNDLE.

Instructor: JACKSON.

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

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

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

Expository writing. Summer students may use Wr 211 in place of either Wr 112 or Wr 113 to satisfy the composition requirement. TuWThF, 9:00. Mundle.

Wr 451. **Projects in Writing.** (g) 3 hours.

For students who desire advanced instruction and practice in imaginative writing. TuWThF, 1:00. Hall.

Eng 102. **Survey of English Literature (Second Term).** 3 hours.

Milton to Wordsworth. TuWThF, 11:00. Hall.

Eng 104. **Appreciation of Literature (First Term).** 3 hours.

Study of literature and of the nature of literary experience through the reading of great works of prose and poetry, drawn from English and other literatures. TuWThF, 10:00. Oswald.

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

TuWThF, 9:00. Bliss.

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, 1:00. Bliss.

Eng 437. **Contemporary Poetry and Prose Fiction.** (G) 1-2 hours.

For description see page 58.

Eng 444. **Milton.** (G) 3 hours.

TuWThF, 9:00. Svendsen.

Eng 460. **Romantic Poets (First Term).** (G) 3 hours.

Wordsworth and Coleridge. TuWThF, 10:00. Bliss.

Eng 477. **Literary Foundations of American Life (Third Term).** (G) 3 hours.

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

Eng 488. **Literature for Teachers.** (g) 3 hours.

For students interested in teaching high-school English. Training in comprehension and analysis of representative literary works. Does not apply toward the satisfaction of the minimum requirements for a major in English. TuWThF, 11:00. Oswald.

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: Literature of the Renaissance.** Hours to be arranged.

Svendsen.

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

Eng 508. **Workshop: Curriculum Workers in Language Arts.** 3 hours.

June 22 to July 3. A workshop for teachers and administrators engaged in curriculum revision. The following topics will be covered: (1) principles underlying the modern language arts curriculum; (2) organizing literature and the skills, grades 1-12; (3) planning for individual differences. Part of the time will be devoted to developing individual curricula. An organization meeting will be held at 2:00 on Monday, June 22. Daily, 10:00-12:00; twice weekly, 1:00-3:00. Oswald, Kraus, guest lecturers.

Foreign Languages

Associate Professors: BOWMAN, POWERS.

Assistant Professors: BEKKER, LECUYER.

Instructor: GRIMM.

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, 8:00-10:00. Lecuyer.

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, 11:00. Lecuyer.

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

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, 11:00. Lecuyer.

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. Bekker.

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

Intensive practice in the reading of scientific texts. Prerequisite: one year of college German or equivalent. MTuWTh, 11:00. Bekker.

Latin

CL 505. **Reading and Conference: Latin Composition.** 4 hours.

Extensive practice in writing Latin prose modeled on the classical style of Caesar, Cicero, and Livy. Special attention will be given to Latin idiom and

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

to syntactical difference between English and Latin. Especially designed for teachers and prospective teachers. Prerequisite: two years of college Latin or equivalent. Daily, 8:00. Grimm.

CL 508. Latin Seminar: Catullus and Horace. 3 hours.

Study of the lyric technique of the two poets, with attention given to the literary environment of each. Metrical and stylistic problems will be discussed. The styles of both poets will be compared with those of present-day lyric poets. One report will be required, the problem to be investigated depending upon the student's interest. Time to be arranged. Grimm.

Russian

***SL 50, 51. First-Year Russian.** 4 hours each term.

The elements of the Russian language. Elementary reading, composition and conversation. Daily, 8:00-10:00. Bowman.

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, 8:00-10:00. Powers.

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, readings in modern Spanish. MTuWTh, 11:00. Powers.

RL 503. Thesis. Hours to be arranged.

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, readings in modern Spanish. MTuWTh, 11:00. Powers.

Geography

Associate Professors: PATTON, STOVALL.

Assistant Professor: PITTS.

Geog 105. Introductory Geography. 3 hours.

A general introduction to the elements of geography. MTuWTh, 8:00. Patton.

Geog 106. Introductory Geography. 3 hours.

A general introduction to economic geography. TuWThF, 9:00. Pitts.

Geog 301. Geography of North America. 3 hours.

A study of the land forms, climate, population, resources, products, and people of the Pacific Northwest, with emphasis on Oregon. MTuWTh, 9:00. Patton.

Geog 302. Geography of North America. 3 hours.

A study of the land forms, climate, population, resources, products, and peoples of the western United States and Canada. TuWThF, 8:00. Pitts.

Geog 427. Geography of the Soviet Union. (G) 3 hours.

Geography of the Soviet Union; resources, peoples, and world position. Prerequisite: Geog 105, 106, 107 or Geog 201, 202, 203. TuWThF, 10:00. Pitts.

* See note (*), page 39.

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 22-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. Stovall, Patton.

Geology

Professor: STAPLES.

Associate Professor: YOUNGQUIST.

Assistant: WOLFF.

Geol 101. **General Geology.** 4 hours.

Materials of the earth's crust, geologic time, igneous geology, and the work of running water. Geol 102, 103 will be offered in the summers of 1960 and 1961, for completion of this sequence. Lectures, laboratory and field trips. MTuWTh, 8:00. Youngquist.

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

Geological field work in selected parts of Oregon. Prerequisites: Geol 313, Geol 393, and consent of instructor. Staples, Wolff.

Geol 456. **Problems in Regional Geology.** (g) 3 hours.

A nonprofessional course to enable the student to relate present scene with the geologic past. Geology provinces of North America and their history. Emphasis placed on the Pacific Northwest, with field trips to distinctive nearby areas. MTuWTh, 11:00. Youngquist.

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 instructor. Youngquist.

Health and Physical Education

Visiting Faculty: CURTICE, JACKSON, MURRAY, NEWLAND, SMITH, TOMARAS, DALLMAR.

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

Associate Professors: KIRSCH, PUCKETT, RHODA.

Assistant Professors: CONNER, GAZETTE.

Instructors: BRUMBACH, OLSON, WILEY.

Workshops

PE 408. **Workshop: Physical-Education Activities.** 1-7 hours.

June 22-July 10. Designed for junior and senior high-school teachers and college instructors. Emphasis upon participation, skill improvement, and proficiency; concentrated work in methods of teaching and development of teaching materials. A maximum of 7 term hours of credit may be earned. Areas for participation and study:

Dance: 2 hours. Folk, Square, ballroom dance; analysis and methods of instruction; beginning and advanced materials. Daily, 8:00-9:30. Murray.

Team Sports: 1-2 hours. Soccer, speedball, basketball. Teaching materials, techniques of team play, organization patterns. Daily, 10:00-11:45. Woodruff.

Aquatics, Individual and Dual Sports: 1-4 hours. Tennis, swimming, archery, tumbling, badminton. Tactics in game play, swimming, beginning and advanced instruction materials. Daily, 1:00-4:45. Puckett, Gazette, staff.

Tennis—1:00-1:45

Swimming—2:00-2:45

Archery—2:00-2:45

Tumbling—3:00-3:45

Badminton—4:00-4:45

Students may elect one, two, three or four of these activities.

Body Mechanics—Posture: 1 hour. Teaching materials, analysis, methods of instruction. Daily, 3:45-4:30. Woodruff.

PE 508. Workshop: Rehabilitation Institute. 2 hours.

July 26-August 1. 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. Membership limited, by invitation, to persons awarded traineeship through the Oregon Division of Vocational Rehabilitation. Daily, 8:30-12:00, 1:00-4:00, and several evening sessions. Poley.

Coaching Clinic

PE 406. Coaching Clinic. 2 hours.

June 15-19. 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 1:00- 3:00 p.m. MTu 7:00- 9:00 p.m. MTu	} Curtice
Basketball Coaching.....	8:30-11:45 a.m. ThF 1:00- 3:00 p.m. WTh 7:00- 9:00 p.m. WTh	
Track Coaching.....	3:00- 4:30 p.m. MTWTh	Newland
Baseball Coaching.....	3:00- 4:30 p.m. MTWTh	Kirsh
Wrestling.....	4:30- 6:00 p.m. MTuWTh	Tomaras
Care and Prevention of Injuries.....	1:00- 5:00 p.m. Fri 7:00- 9:00 p.m. Fri 8:00-12:00 a.m. Sat 1:00- 5:00 p.m. Sat	} To be selected

Injury Care Clinic

A clinic on problems of athletic injury prevention and care has been arranged for June 19-20, in affiliation with the Coaching Clinic. Every effort has been made to obtain the finest possible teaching staff.

Instructors include: Dr. John Bonzer, Eugene internist; Dr. Bruce Brewer, orthopaedic consultant, Milwaukee Braves; Dr. Ernest Burgess, orthopaedic consultant, University of Washington; Dr. James R. Degge, orthopaedic consultant, University of Oregon; Dr. Charles Donahue, Eugene urologist; Ray Hendrickson, ex-president, Oregon High School Coaches Association; Conrad Jarvis, athletic trainer, Stanford University; Dr. Cooper Johnson, Edmonton, Alberta; George Menefee, trainer, Los Angeles Rams; Dr. Howard A. Molter, orthopaedic consultant, University of Oregon; Dr. John Moritz, Sun Valley, Idaho; Robert Peterson, athletic trainer, University of Washington; Dr. Donald

Stainsby, chief of neurosurgery, Sacred Heart Hospital, Eugene; Dr. L. W. Stauffer, Eugene, dermatologist; Dr. William D. Swancutt, Eugene; Dr. William Snell, professor of orthopaedic surgery, University of Oregon Medical School.

The program of the Injury Care Clinic is as follows:

Friday, June 19

8:45-10:15.....	Injuries to the Head, Neck, and Spine
10:30-12:00.....	Injuries to the Hip, Pelvis, and Thigh
1:15-1:45.....	Athletic Dermatology
1:45-3:15.....	Conditioning of the Athlete
3:30-5:15.....	Injuries to the Knee

Saturday, June 20

8:00-9:15.....	Physical Basis for Restriction from Athletics
9:15-10:00.....	Mechanics of Football Injuries
10:15-12:00.....	Injuries to the Shoulders and Upper Extremity
1:15-1:45.....	Principles of Half-Time Treatment
1:45-3:15.....	Injuries to Leg and Ankle
3:30-5:30.....	Principles of Athletic Taping and Use of Protective Equipment

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, 2:00. East Court. Conner.

PE 222. Dance for the Elementary School. 2 hours.

First four weeks, June 22-July 17. Rhythmic fundamentals, skills, and dances for children of grades 1 through 6. Special emphasis on teaching methods. MTuWTh, 3:00-5:00.

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 444. Tests and Measurements in Physical Education. (G) 3 hours.

Use of tests and measurements in physical education; evaluation of objectives, programs, and student achievement through measurement techniques. TuWThF, 8:00. Reuter.

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. Hours to be arranged.

PE 501. Special Studies: Creative Arts—Dance, Music, Visual. 3 hours.

First four weeks, June 22-July 17. A special summer offering for elementary teachers. An opportunity to investigate the relationships of art forms as these pertain to design, rhythm, line, movement, space, color, etc. Will also be offered under MuE 501 and ArE 501. MTuWTh, 10:00-12:00. Murray, staff.

PE 503. Thesis. Hours to be arranged.

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

PE 506. Special Problems. Hours to be arranged.

PE 507. Seminar: Major Issues in Physical Education. 3 hours.

Consideration will be given to the major issues in physical education in the United States. TuWThF, 9:00. Jackson.

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. MTuWTh, 1:00. Sprague.

PE 517. Methods of Research. 3 hours.

Methods and techniques of research in health, physical education, and recreation; practice in relation to problems of current interest. MTuWTh, 3:00. Clarke.

PE 521. Corrective Physical Education Studies. 3 hours.

First four weeks, June 22-July 17. Study of the common deviations of posture and feet; causes, methods of referral when advisable, and basic principles underlying the prescriptions of exercises for those conditions which may be handled safely by the physical-education teacher. Daily, 4:00-5:30. 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. Rhoda.

PE 541. Statistical Methods in Physical Education. 3 hours.

Advanced statistics applied to research in physical education, including partial and multiple correlation, regression, analysis of variance, chi-square, and special correlation methods. Prerequisite: PE 540. MTuWTh, 2:00. Clarke.

PE 556. Administration of Buildings and Facilities. 3 hours.

Building layout and equipment; relationship of the various functional units; equipment, service, dressing facilities, activity spaces, administrative units, permanent and dismantlable equipment. TuWThF, 8:00. Rhoda.

PE 557. Supervision of Physical Education for City Supervisors. 3 hours.

The purpose of supervision; supervision of staff, facilities, and areas; departmental organization, regulations, and policies. MTuWTh, 10:00. Reuter.

PE 559. Professional Preparation in Physical Education. 3 hours.

Historical development of professional preparation in physical education, curriculum, administrative factors, evaluation, and recruitment essential to the development and conduct of teacher education programs in physical education. TuWThF, 10:00. Sprague.

PE 572. Gross Anatomy Basic to Physical Performance. 3 hours.

Principles and facts in the fields of myology, osteology, arthrology, neurology, and angiology of importance to college teachers in physical education who give instruction in anatomy, kinesiology, and physiology of exercise. Application to body movement and performance. Prerequisite: PE 471, PE 472, PE 473, or equivalent. MW, 7:00-9:00. Sigerseth.

PE 573. Advanced Kinesiology. 3 hours.

Analysis of complex movements, specialized skills, and motor coordination in terms of the mechanics of skeletal and muscular movement. TuWThF, 11:00. Sigerseth.

Physical Education (Service Courses)**PE 180, 190, or 380, 390. Tennis.** 1 hour.

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

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

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

PE 190, or 390. Swimming. 1 hour.

For men. MTuWTh, 11:00. Wiley.

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

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

Health Education (Professional Courses)

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

Study of first aid and safety procedures—for the individual, schools, athletics, and civilian defense; meets certification, standards of the American Red Cross. MTuWTh, 2:00. Brumbach.

HE 358. **Safety Education.** 3 hours.

Basic principles of safety education; current safety programs as they apply to the school, home, and community. Individual and group projects in the organization of materials for teaching safety education in public schools. TuWThF, 9:00. Brumbach.

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 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. Smith.

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

Social-hygiene content, methods, and materials appropriate for junior and senior high schools. Prerequisite: senior standing in health education or biology; graduate standing in education or physical education. TuWThF, 11:00. Smith.

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. Smith.

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

Designed to prepare teachers to conduct driver-education courses in the secondary schools. Use of teaching devices, development of instructional units, behind-the-wheel instruction. MTuWTh, 3:00. Reuter.

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

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

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

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

Study of selected problems in the field of health education.

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

Covers organization and administration of driver education, personal psychological problems of driving, traffic enforcement, engineering, and safety teaching materials, and methods of instruction in driver education. Prerequisite: secondary-school teaching credential and basic driver-education courses. MTuWTh, 1:00. Haar.

HE 543. **Advanced Health Instruction.** 3 hours.

Organization of the public school health instruction program; for health teachers, supervisors, and coordinators. Basic steps in the development of the program. Prerequisite: HE 464 or consent of instructor. TuWThF, 10:00. Haar.

* Scholarships financed by the All-State Foundation are available for students enrolled in HE 467 and HE 506 (Traffic Safety). Applications should be addressed to the dean of the School of Health and Physical Education.

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

Organization and administration of the school health program. TuWThF, 9:00. Haar.

History

Visiting faculty: PINCKNEY, RIASANOVSKY, SHANAHAN.

Associate Professors: BINGHAM, SORENSON.

Assistant Professors: SELBY, SNOW.

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, 8:00. Snow.

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, 11:00. Pinckney.

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

1840-1898. Second term of a year sequence. Daily, 9:00. Bingham.

Hst 418. Studies in Western Civilization. (g) 4 hours.

Political, economic, and intellectual problems in the history of Western civilization from the Middle Ages to 1815. Intended primarily for teachers; attention to aspects that are particularly applicable to teaching assignments. Daily, 9:00. Sorenson.

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

General review of the development of education in relation to civilization; emphasis on development of educational philosophies. MTuWTh, 11:00. Snow.

Hst 446. Modern Germany. (G) 4 hours.

The German Empire, the republican experiment of 1918-33, the National Socialist regime, World War II and after. Daily, 11:00. Shanahan.

Hst 449. History of Russia. (G) 4 hours.

Modern and revolutionary Russia, since about 1861. Daily, 10:00. Riasanovsky.

Hst 478. History of the Pacific Northwest. (G) 4 hours.

Not open to students who have taken Hst 377. Meets state requirement for certification. Daily, 1:00. 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 481. The United States in the Twentieth Century. (G) 4 hours.

From about 1918 to 1938. Second term of a three-term sequence. Daily, 2:00. Pinckney.

Hst 488. Economic History of the United States. (G) 4 hours.

About 1840-1900. The South, industrial society, the labor movement, and the closing of the frontier. Second term of a year sequence. Daily, 10:00. Selby.

PS 491. East Asia in Revolution. (g) 4 hours.

A review of the successive waves of revolution that have inundated China and Japan since the mid-nineteenth century. Special emphasis on Chinese Communism. Daily, 8:00. Stauffer.

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

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

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

- 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 adapted to the group. Discussions and reports. Pinckney.
- Hst 505. Reading and Conference: Early American History.** 2-4 hours.
Selby.
- Hst 505. Reading and Conference: Problems in European History.** 2-4 hours.
Designed for secondary-school teachers. Problems of the Western European nations in an age of liberal reform, nationalism, and industrialization, 1815-1914. Topics to be selected according to students' backgrounds and interests. Readings and informal discussions. Four or eight weeks. Shanahan.
- Hst 507. Seminar: Diplomacy, War, and Totalitarianism Since 1917.** 3 hours.
Time to be arranged. Shanahan.
- Hst 507. Seminar: The Soviet Union.** 3 hours.
Part of the World Affairs program; see page 59. Riasanovsky, staff.
- PS 507. Seminar: The Far East.** 3 hours.
Part of the World Affairs program; see page 59. Stauffer, staff.
- Hst 531. European History: Problems and Interpretations.** 3 hours.
Second term of a year sequence. Readings, reports, and group discussions of major trends, problems, and interpretations of early modern European history. Time to be arranged. Snow.
- Hst 532. European History: Problems and Interpretations.** 3 hours.
Third term of a year sequence. Readings, reports and group discussions of major trends, problems, and interpretations of modern European history since 1789. Time to be arranged. Riasanovsky.

Journalism

Visiting Faculty: CHARNLEY, MARGARET KNISPEN, MAURICE KNISPEN.

Professors: DUNCAN, PRICE.

Associate Professor: WALES.

Assistant Professor: NELSON.

- 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, broadcasting, magazine, outdoor, direct mail. Daily, 8:00. Wales.
- J 455. Supervision of School Publications.** (g) 4 hours.
Second four weeks. The teacher's role in guiding student publications in the secondary school; all phases of student newspaper and yearbook work. Daily, 1:00-3:00. Mr. and Mrs. Knispel.
- J 457. The Public and the Press.** (g) 4 hours.
Analysis of the role of the press and related media (magazines, radio, and television) in a democratic society. Daily, 9:00. Price.
- 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, and special-interest groups; relationship of publicity to broader concept of public relations; special emphasis on school public relations. Daily, 11:00. Wales.
- J 501. Research in Journalism.** 1-3 hours.
Time to be arranged. Duncan.

- J 503. **Thesis.** Hours to be arranged.
Duncan.
- J 505. **Reading and Conference.** 1-3 hours.
Time to be arranged. Duncan.

Library

Visiting Faculty: LEES.

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. MTuWTh, 9:00. Lees.
- Lib 386. **Organization of Library Materials.** 3 hours.
Instruction and practice in simplified procedures for the acquisition, preparation, classification, and cataloging of books and related library materials. MTh, 1:00-3:00, Tu, 1:00. Lees.
- 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. MTuWTh, 10:00. Lees.
- 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, 10:00. 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. MTuWTh, 1:00. Ladley.

Mathematics

Visiting Faculty: JAMES, JENNINGS, LUTHER.

Professors: MOURSUND, NIVEN.

Associate Professors: ANDREWS, GHENT.

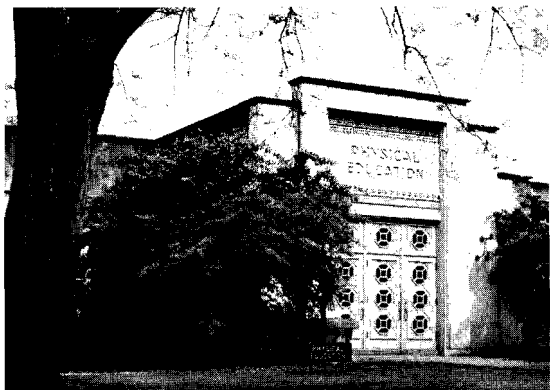
Assistant Professor: ANDERSON.

Instructor: MASON.

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.

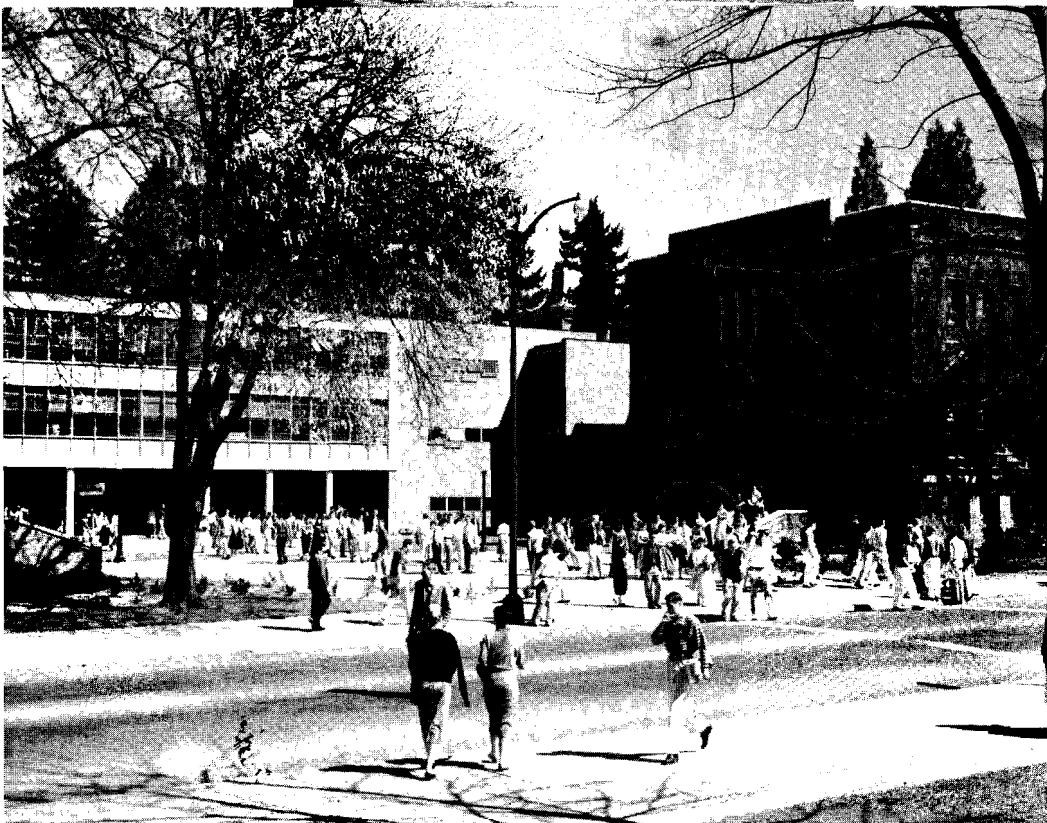
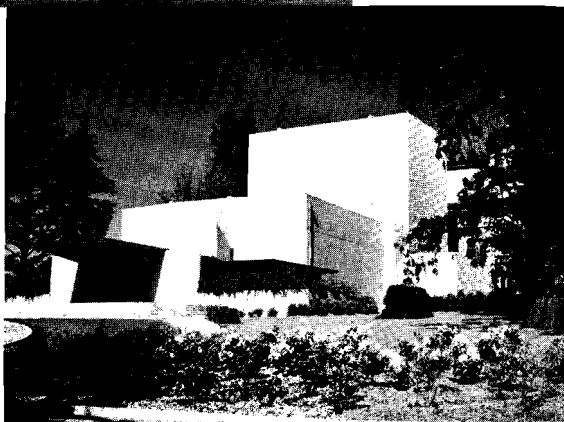
The following sequences are designed primarily for teachers working toward the degree of Master of Science in General Studies:



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.

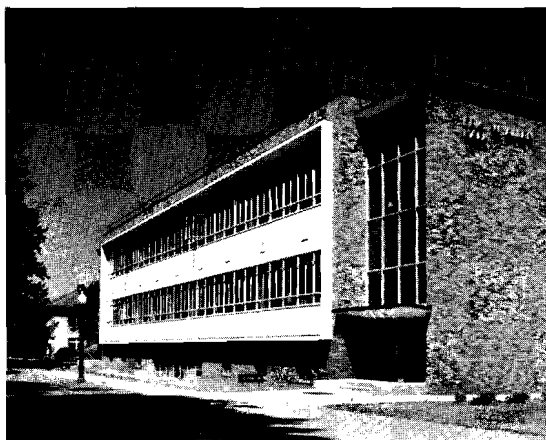
Bottom—The class bell rings, and students pour out of Commonwealth Hall.





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

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



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 so that a student may complete all of them in at most three summers. Mth 479, Mth 499, and Mth 589 are being offered this summer. Mth 489, Mth 579, and Mth 599 are scheduled 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, 8:00. Mason.

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, 8:00.

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, 8:00.

Mth 105. Introductory College Mathematics. 4 hours.

Topics selected from college algebra and trigonometry. Prerequisite: one and one-half years of high-school algebra or intermediate algebra in college. Daily, 9:00.

Mth 107. Introductory College Mathematics. 4 hours.

Topics selected from algebra, analytic geometry, and calculus. Prerequisite: trigonometry and consent of department, or Mth 105. Daily, 1:00.

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. Time to be arranged.

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.

Mth 479. Algebra. (g) 3 hours.

Intended primarily for high-school mathematics teachers. Number systems, theory of algebraic operations, selected topics. Prerequisite: analytic geometry or consent of instructor. MTuWTh, 1:00. Anderson.

Mth 499. Foundations of Mathematics. (g) 3 hours.

Fundamental concepts leading to a better understanding of the nature of mathematics. Prerequisite: consent of instructor. MTuWTh, 2:00. Luther.

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. Topics to be selected and time to be arranged. Anderson.

Mth 507. **Seminar.** 3 hours.

Introductory topics in real variable theory. MTuWTh, 8:00. Moursund.

Mth 589. **Geometry.** 3 hours.

Intended primarily for high-school teachers. Fundamental geometric concepts, selected problems from Euclidean geometry, and introduction to non-Euclidean geometries. Prerequisite: analytic geometry. MTuWTh, 10:00.

Mathematics Institute

The University has been granted funds by the National Science Foundation to hold a Summer Institute for Secondary School Mathematics Teachers, with Professor A. F. Moursund as director. The Institute will be held during the eight weeks of the summer session. Stipends of \$75.00 per week, exemptions from tuition, allowances for dependents, and travel allowances are available for 54 mathematics teachers. The program of the Institute will greatly extend the course offerings listed above, and will be available to teachers who are not stipend holders. Lectures and courses will be given by professors R. D. James and S. A. Jennings of the University of British Columbia, Professor Ivan Niven, and other members of the faculty.

A descriptive brochure and application forms are available from the director.

Music

Visiting Faculty: SESSIONS, WARING.

Professors: KRATT, NYE.

Associate Professors: GREEN, KELLER, VAGNER.

Assistant Professors: JELINEK, LEE, RISINGER, ZAMBARA.

Instructors: CUNNINGHAM, MADSEN, MAVES, WOODS.

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. Fred Waring Workshop, June 14-19: course fee, \$55.00; lodging and meals in the dormitory, \$32.00.

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

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

Piano—Green.

Cello—Jelinek.

Voice—Zambara.

Woodwind Instruments—Cunningham.

Violin—Maves.

Brass Instruments—Lee.

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

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

MuE 335. **Cello and String Bass.** 1 hour.

Class study of the cello and its place in the string family; rudiments of string-bass technique. Designed to prepare teachers for both the elementary and the secondary schools. For students who have no previous experience with these instruments. MWF, 3:00. Jelinek.

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. MTuThF, 2:00. Madsen.

MuE 382. Music for Elementary Teachers. 3 hours.

Continuation of MuE 381. MTuThF, 3:00. Madsen.

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, MuE 382 or consent of instructor. MTuThF, 11:00. Madsen.

Mus 390. Applied Music. 1-2 hours.

Junior year. Prerequisite: Mus 290 or equivalent and qualifying examination for upper-division standing. For instructors, see Mus 190.

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, Lee.

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. MTuWTh, 2:00. Jelinek.

Mus 397. Chorus. 1 hour.

The preparation of a significant choral work in the large 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 upper-division and graduate students in music education. MWF, 11:00. Keller.

MuE 407. Choral Techniques Workshop. (G) 2 hours.

June 14-19. Fred Waring and his staff will conduct an intensive study of professional rehearsal and performance techniques for the music educator and the church choir director. The first meeting will be held Sunday evening, June 14, in the University Theater in Villard Hall; sessions will continue daily and in the evenings throughout the week, and will conclude the afternoon of Friday, June 19. Advance registration must be completed by June 1; for further information write Dean Theodore Kratt, School of Music, University of Oregon. For fees, see above.

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. MWF, 8:00. Keller.

MuE 407. Seminar: Interpretation of Band Literature. (G) 3 hours.

First four weeks. Problems of conducting and interpretation. MTuWTh, 10:00-12:00. Vagner.

MuE 407. Seminar: Instrumental Survey—Violin and Viola. (G) 1 hour.

June 22-July 17. Problems in teaching violin and viola. Prerequisite: prior experience in the teaching of stringed instruments, or consent of instructor. Daily, 8:00. Maves.

MuE 407. Seminar: Instrumental Survey—Woodwind Instruments. (G) 2 hours.

First four weeks. Problems in teaching woodwind instruments. Prerequisite: prior experience in the teaching of woodwind instruments, or consent of instructor. Daily, 1:00. Vagner.

MuE 407. Seminar: Instrumental Survey—Cello and String Bass. (G) 1 hour.

Second four weeks. Problems in teaching cello and string bass. Prerequisite: prior experience in the teaching of stringed instruments, or consent of instructor. Daily, 8:00. Jelinek.

MuE 407. Seminar: Instrumental Survey—Brass Instruments. (G) 2 hours.

Second four weeks. Problems in teaching brass instruments. Prerequisite: prior experience in the teaching of brass instruments, or consent of instructor. Daily, 1:00. Lee.

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

Baroque period. MTuThF, 9:00. Keller.

Mus 437. Contemporary Music. (G) 1-2 hours.

For description, see page 59.

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

First four weeks. Repertory of choral groups in secondary schools; problems in leadership, presentation, organization, and program planning. Prerequisite: consent of instructor. Daily, 2:00. Risinger.

Mus 490. Applied Music. 1-2 hours.

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

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

MuE 501. Special Studies: Creative Arts—Music, Dance, Visual. 3 hours.

First four weeks. Music and the arts in the elementary classroom; teaching procedures emphasizing creative elements; rhythm, design, line, movement, space, and color as elements common to music, dance, and the visual arts. Will also be offered under ArE 501 and PE 501. MTuWTh, 10:00-12:00. Nye, staff.

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 532. Problems in Music Education. 3 hours.

Second four weeks. Discussion of problems and issues in music education at all levels. Organization of field studies, research papers, and theses. Prerequisite: consent of instructor. MTuThF, 10:00-12:00. Nye.

MuE 535. Music in the Senior High School. 3 hours.

Second four weeks. Curricula, organization, methods, and materials in all aspects of senior high-school music, both vocal and instrumental. MTuThF, 8:00-10:00. Risinger.

Mus 590. Applied Music. 1-4 hours.

Individual instruction in piano, voice, orchestral and band instruments, at the graduate level. Prerequisite: qualifying examination for graduate standing. For instructors, see Mus 190.

High-School Music Summer Sessions

Two two-week music summer sessions for high-school students will be held on campus: for band, June 21-July 3; for chorus and orchestra, July 5-July 17. Observation of methods used in these sessions will be of particular interest to high-school music teachers. Two-week session, \$15.00; four-week session, \$30.00. Room and board, two-week session, \$45.25; four-week session, \$90.50.

Physics

Professors: CH'EN, ELICKSON.

Associate Professor: CRASEMANN.

Assistant Professor: EASTERDAY.

GS 104. **Physical Science Survey.** 4 hours.

Basic introductory treatment of physics, chemistry, and astronomy. Designed particularly for the teacher of general science in elementary or secondary school. Daily, 11:00. Ellickson.

Ph 411. **Modern Physics.** (G) 3 hours.

Atomic and molecular structure, X-rays and crystal structure, photo-electricity, and other selected topics in atomic physics. Special attention is given to the problem of presenting these topics to high-school students. MTuWTh, 9:00. Ellickson.

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 equipment. Daily, 10:00. Ellickson.

Political Science

Visiting Faculty: RIASANOVSKY, STAUFFER.

Associate Professors: DEAN, SELIGMAN.

Instructor: MARQUIS.

PS 201. **American Governments.** 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. Seligman.

Soc 407. **Seminar: Political Sociology.** (G) 3 hours.

For description, see page 56.

PS 414. **Political Parties and Public Opinion.** (G) 4 hours.

How the American system for choosing officials works. Illustrations from the politics of Oregon and of the nation. Daily, 10:00. Seligman.

PS 427. **Governments of Major European Powers: The U.S.S.R.** (G) 4 hours.

Institutions, politics, and policies of Soviet Russia. Daily, 9:00. Marquis.

PS 435. **The Dynamics of American Politics.** (G) 4 hours.

Analysis of major problems of American politics; conditions for a democratic society; the executive process; the legislative struggle; the judicial process; intergovernmental relations. Daily, 11:00. Marquis.

PS 491. **East Asia in Revolution.** (G) 4 hours.

A review of the successive waves of revolution that have inundated China and Japan since the mid-nineteenth century; an analysis of the respective responses and adaptations of indigenous political ideas, institutions, and processes. Special emphasis on the forces behind, and the courses followed by Chinese Communism. Daily, 8:00. Stauffer.

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

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 fundamental research underlying human behavior as a basis for the theory and practice of administrative behavior. MTuWTh, 10:00-12:00. Jacobson, Culbertson, Dubin.

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. Tope, Campbell, Dean, Littman, Foskett, Smith, Stern.

Psychology

Associate Professors: FOSMIRE, SUNDBERG.

Assistant Professors: PATTERSON, VON HOLT, WARNATH.

Psy 202. General Psychology. 3 hours.

Introductory study of behavior and conscious processes. Survey of experimental studies of motivation, learning, thinking, perceiving, and individual differences. MTuWTh, 8:00.

Psy 204. Psychology of Adjustment. 3 hours.

The nature and origins of differences in personality; means of making desired changes. MTuWTh, 10:00.

Psy 407. Seminar: Psychology of Group Processes. 3 hours.

The study of small groups, interpersonal perception, and assessment of interaction; a survey of research theory and application to family and school situations. Prerequisite: courses in psychology or sociology. MW, 8:00-10:00. Sundberg.

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.

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 449. Occupational Choice and Psychology of Careers. (G) 3 hours.

Theories of occupational choice and their importance for the theory of counseling; factors related to vocational development and the patterning of careers; sources of vocational information, and its evaluation and uses in educational and counseling situations. TuTh, 10:00-12:00. Warnath.

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.

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. Fosmire.

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: 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, Foskett, Fosmire, Stern.

Psy 507. Seminar: Psychology of Creativity. 3 hours.

Offered in coordination with the Summer Institute of Fine Arts. The seminar will explore the creative process, including theories and research on imagination, problem solving, innovation, and the relationship of creativity to mental health. Prerequisite: courses in psychology, interest in research, consent of instructor. TuTh, 8:00-10:00. Sundberg.

Psy 508. Clinical Work with Children. Hours to be arranged.

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

Sociology

Professors: DUBIN, FOSKETT.

Assistant Professors: JOHNSON, WISHNEFF.

Instructor: ROLLINS.

Soc 204. General Sociology. 3 hours.

The basic findings of sociology concerning the individual, culture, group life, social institutions, and social change. First term of a three-term sequence. Prerequisite: sophomore standing or consent of instructor. MTuWTh, 10:00. Rollins.

Soc 307. Principles of Sociology. 3 hours.

A one-term introduction to fundamental concepts and empirical findings in the field of sociology. Not open to students who have completed Soc 204, 205. MTuWTh, 9:00. Wishneff.

Soc 309. American Society. 3 hours.

A general survey of the major features of the social structure of the contemporary United States. Attention will be given to educational institutions and their functions in American society. Prerequisite: Soc 204, 205, 206, or Soc 307. MTuWTh, 9:00. Johnson.

Soc 425. Theory of Social Groups. (G) 3 hours.

Analytical study of the forms and types of human association, with special emphasis on formal organizations. MTuWTh, 9:00. Dubin.

Soc 434. Social Stratification. (G) 3 hours.

Critical appraisal of theory and research in social stratification; examination of systems of hierarchical ranking, particularly in American society; comparison of classes in terms of characteristic styles of life, attitudes, and values; patterns of vertical social mobility. MTuWTh, 11:00. Wishneff.

Soc 407. Seminar: Political Sociology. (G) 3 hours.

A sociological analysis of political behavior. Topics to be selected from the following: electoral behavior; political parties; power and decision making; elites and intellectuals; political participation, membership, and allegiance; problems of oligarchy and bureaucracy; psychological correlates of political behavior; and sociological factors in political behavior. W, 1:00-4:30. Wishneff.

Soc 407. Seminar: Mental Health and Social Structure. (G) 3 hours.

An examination of the relation of social values and social structure to the concept of the normal personality. Modern methods of personality restructuring, such as psychotherapy and programs of guidance and counseling, will be discussed in terms of their social functions. A number of personality theories used in counseling and psychotherapy will be examined. TuTh, 2:00-4:00. Johnson.

Soc 501. Research. Hours to be arranged.**Soc 503. Thesis.** Hours to be arranged.**Soc 505. Reading and Conference.** Hours to be arranged.**Soc 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. Jacobson, Culbertson, Dubin.

Soc 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, Deau, Foskett, Fosmire, Stern.

Soc 508. Workshop: Intergroup Relations. 3 hours.

July 6-17. Designed for teachers and community leaders whose activities involve intergroup relations, either in 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. Johnson.

Speech

Professor: ROBINSON.

Associate Professors: KRETSINGER, MONTGOMERY.

Assistant Professors: COHEN, PECK, RAMEY, SHEPHERD.

Instructors: LEWIS, TUTTLE.

Sp 111. Fundamentals of Speech. 3 hours.

Projects in extempore speaking. Primary emphasis on content, organization, and adjustment to the speaking situation. MTuWTh, 8:00. Cohen.

Sp 264. Production Workshop. 3 hours.

Practical experience in the construction, painting, and handling of scenery, and the lighting of plays. MTuWTh, 1:00. Peck.

Sp 351. Technique of Acting. 3 hours.

Principle of acting technique: problems in analysis and presentation of character. MTuWTh, 10:00. Robinson.

Sp 364. Play Direction. 3 hours.

Sources of dramatic material, choice of play, casting and rehearsal of players, production organization. Practical experience in directing. Six or more laboratory periods. MTuWTh, time to be arranged. First meeting, 3:00 p.m., June 23. Robinson.

Sp 370. Phonetics. 3 hours.

Study of sounds used in speech. Determination of sounds; their symbolic nature; their production; physical and psychological problems involved in their perception; sectional differences. MTuWTh, 9:00. Montgomery.

Sp 411. Speech for the Classroom Teacher. 3 hours.

Instruction in speech and speech forms designed for classroom use. MTuWTh, 1:00. Montgomery.

Sp 422. British Oratory. (G) 3 hours.

British oratory from Pitt to modern times. MTuWTh, 11:00. Cohen.

Sp 424. Speech Forms and Techniques in Group Control. (g) 3 hours.

Forms and methods in public address as they relate to special situations. Forums, panels, committees, parliamentary principles, lectures. Special attention to needs of administrative personnel. MTuWTh, 10:00. Cohen.

Sp 437. Contemporary Drama. (G) 1-2 hours.

For description, see page 59.

Sp 446. Radio-Television Production. (G) 3 hours.

Theory and technique of production of radio and television programs. Problems and procedures in the synthesis of talent and production materials. Preparation and production of programs. MTuWTh, 11:00. Kretsinger.

Sp 448. Radio-Television and the Public. (G) 3 hours.

The influence and importance of broadcasting as a social, political, and cultural force; the development of broadcasting; commercial versus public-service broadcasting; the rights and duties of listeners; public opinion and propaganda influence. MTuWTh, 9:00. Kretsinger.

Sp 464. History of the Theater. (G) 3 hours.

A history study of the theater from ancient times to the Renaissance. MTuWTh, 9:00. Tuttle.

Sp 481. Speech Pathology. (G) 3 hours.

Symptoms, causes, and treatment of speech abnormalities. Functional articulatory defects, delayed speech, and emotional speech disorders. MTuWTh, 10:00. Montgomery.

Sp 484, 485, 486. Clinical Speech Therapy. (G) 2-4 hours.

Supervised clinical work with speech-defective children and adults enrolled for testing, counseling and treatment in the Speech and Hearing Clinic. (Write to the Director, Speech and Hearing Clinic, University of Oregon, if you plan to register for this course in the summer session.) MTuWTh, time to be arranged. Montgomery.

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: Directing the High-School and College Forensic Program.** 3 hours.

Time to be arranged. First meeting, 4:00 p.m., June 23. Cohen.

Sp 507. Seminar: Problems of Education by Television. 3 hours.

Time to be arranged. First meeting, 3:30 p.m., June 23. Kretsinger.

Sp 507. Seminar: Creative Drama for Children. 3 hours.

Time to be arranged. First meeting, 3:00 p.m., June 23. Peck, Robinson, Tuttle.

Sp 507. Seminar: Oral Interpretation. 3 hours.

Time to be arranged. First meeting, 3:30 p.m., June 23.

Sp 507. Seminar: Technical Problems of the Theater. 3 hours.

Time to be arranged. First meeting, 4:00 p.m., June 23.

Sp 508. Workshop: Educational Television. 4 hours.

June 15-17. An intensive program of class and laboratory work for teachers and administrators, in the arts and skills of production and performance in education by television. Daily, 9:00-12:00, 2:00-5:00. Shepherd, Lewis, Ramey.

Summer Academy Of Contemporary Arts

A Summer Academy of Contemporary Arts will be held on the University campus during the 1959 summer session. In a series of two-week courses running through the eight weeks of the session, four practicing artists will lecture on the main trends and significant work in the fields of poetry and prose fiction, painting, music, and drama during the years following World War II; the lectures will be supplemented by class discussions. As an integral part of each course, the artist in residence will present a public performance appropriate to his creative field—a reading from his work, a gallery talk, a concert, a dramatic production.

The artists in residence in the Summer Academy of Contemporary Arts will include: Paul Engle, artist and poet and member of the faculty of the University of Iowa; Jack Wilkinson, painter and member of the faculty of the University of Oregon; Roger Sessions, musical composer and member of the faculty of Princeton University; and a playwright yet to be appointed.

Students may enroll for the complete program or for selected courses. The courses are open to auditors as well as students enrolled for credit. Each course carries 1 or 2 term hours of undergraduate or graduate credit; to earn 2 hours of credit, the student must submit a paper treating some aspect of the field of art with which the course is concerned.

The course lectures are scheduled from 3:00 to 4:00 p.m., Monday through Thursday, the discussion periods from 4:00 to 5:00 p.m. on the same days. Attendance at the discussion periods is optional.

In addition to the four courses listed below, the Summer Academy will present a series of recent art motion pictures from Japan, India, England, France, Sweden, and Italy; the showing of each film will be preceded by a lecture concerning its significant features.

The attention of students enrolling in the Academy is also called to a graduate Seminar in the Psychology of Creativity, which will be offered in the Department of Psychology during the summer session (for description, see page 55).

Eng 437. Contemporary Poetry and Prose Fiction. (G) 1 or 2 hours.

June 22-July 3. Significant poetry and prose fiction written in America and England since World War II; attention directed to writers of increasing stature and to works of increasing importance. Engle.

AA 437. Contemporary Painting. (G) 1 or 2 hours.

July 6-18. Illustrated lectures and discussions concerning mid-century painting. Evaluation of painting as a medium of communication; the relationship

of painting to other art forms; the significance of painting in our time; the diverse motives, intentions, resources, and works of contemporary artists. Wilkinson.

Mus 437. Contemporary Music. (G) 1 or 2 hours.

July 20-31. A survey of contemporary American music; changing concepts and their effects on materials and individual practice. Special attention given to trends of the last decade. Sessions.

Sp 437. Contemporary Drama. (G) 1 or 2 hours.

August 2-14. A survey of contemporary dramatic literature and theatrical production. Special attention given to the changing forms of the modern theater and to its social, artistic, and economic position.

World Affairs Program

A Summer World Affairs Program will be held on the University campus from June 22 to July 17. 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, Soviet Union, and Africa. 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 duties.

Each seminar will be conducted by an instructor who will draw upon a faculty including 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.

Consideration of the historical background of, and contemporary developments in, the social, political, and economic life of Japan, China, and Korea. The role of the United States in the area will be emphasized. Planned especially for the Summer World Affairs Program. TuTh, 10:00-12:00. Stauffer, staff.

PS 507. Seminar: Africa South of the Sahara. 3 hours.

A broad approach to the problems of the colonial and independent countries south of the Sahara. The Western impact on the changing indigenous cultures will be stressed. Planned especially for the Summer World Affairs Program. TuTh, 8:00-10:00. Rosberg, staff.

Hst or PS 507. Seminar: The Soviet Union. 3 hours.

Major trends in the Soviet Union since 1917, including culture, economics, politics, and education. The nature and implication of the Soviet challenge will receive major consideration. Designed especially for the Summer World Affairs Program. MW, 8:00-10:00. Riasanovsky, staff.