



1963 SUMMER SESSION

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UNIVERSITY
OF OREGON
SUMMER
SESSION

1963 CATALOG

EUGENE, OREGON

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Calendar, 1963 Summer Session

June 10, <i>Monday</i>	Registration for pre-session workshops
*June 17, <i>Monday</i>	Registration eight- and eleven-week courses
June 18, <i>Tuesday</i>	Classes begin
June 19, <i>Wednesday</i>	Last days for payment of fees without penalty
July 4, <i>Thursday</i>	Independence Day, holiday
July 15, <i>Saturday</i>	Last day for filing master's theses
August 8-9, <i>Thursday and Friday</i>	Final examinations for eight-week courses
August 10, <i>Saturday</i>	Commencement exercises
August 29-30, <i>Thursday and Friday</i>	Final examinations for eleven-week courses

* Registration materials will be available in the Registrar's Office during the week of June 10.

Oregon State System of Higher Education

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

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

At Oregon College of Education, Southern Oregon College, and Eastern Oregon College, students may complete major work in teacher education or general studies or enroll in a preprofessional program.

Portland State college offers major work in general studies and selected liberal arts and professional fields as well as certain preprofessional programs.

At the University of Oregon and Oregon State University, major curricula, both liberal and professional, are grouped on either campus in accordance with the distinctive functions of the respective institutions in the unified State System of Higher Education.

Terminal courses in technical and semiprofessional areas are offered at Oregon Technical Institute.

An interinstitutional booklet, *Your Education*, which outlines the curricula of the several institutions and contains other information, is available. For a copy, write to Division of Information, Board of Higher Education, P.O. Box 5175, Eugene, Oregon.

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* Appointment effective July 1, 1963.

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The Summer Program

During the summer of 1963 the University will offer two separate summer sessions. The first is the traditional eight-week summer session. Graduate courses, and both upper-division and lower-division courses, are offered for those who wish to earn 12 or 13 hours of credit.

In addition, there will be an eleven-week session planned especially for freshman and sophomore students who wish to accelerate their programs or who are interested in earning additional credits. A full-term load of 16 or more credits may be earned in this session. Courses will be offered in mathematics, foreign languages, history, English literature and composition, biology, physics, accounting, political science, and speech.

The courses offered during the eight-week and eleven-week sessions are listed in separate sections of this Catalog. For information regarding the special advantages of the full-term session, write to the Director of Summer Sessions, University of Oregon, Eugene.

Undergraduate Work

A large selection of undergraduate courses will be offered in the 1963 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 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 master's degree the University requires a program of study of not less than 45 term hours.

Grade Requirement. A graduate student is required to earn at least a B grade average to qualify for a graduate degree. A grade-point average of less than 3.00 at any time during the student's graduate studies is considered unsatisfactory, and may result in disqualification by the dean of the Graduate School after consultation with the student's major department or school. Disqualification means reduction to postbaccalaureate standing. Graduate credit will not be granted for a course in which the student earns a grade of D.

Residence Requirement. The residence requirement for the M.A. and M.S. degrees (and all other master's degrees except the M.Ed. or M.B.A.) is 30 term hours of work on the Eugene campus or at the Medical School, Dental School, or School of Nursing in Portland. The residence requirement for the M.Ed. degree is 24 term hours of graduate work on the University campus or in the Portland summer session of the General Extension Division. A maximum of 36 term hours toward the M.B.A. degree may be earned in courses in the Portland Continuation Center of the Extension Division.

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

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

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 devoting full time to graduate study is 13 term hours.

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

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

Opportunities for Teachers

An extensive program has been planned especially to meet the needs of the many teachers who wish to take summer work to improve their professional training.

Secondary Education. Under Oregon school law, five years of collegiate preparation, including specified work in education and in subject fields, is required for a standard teacher's certificate. Graduates of standard colleges and universities who have completed a four-year teacher education program may, however, be granted a basic certificate valid for three years.

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 recreational activities has been planned for you.

Many of you will be visitors from other states. We hope that you will take advantage of the opportunities to see Oregon at its loveliest.



SUMMER TOURS

Take a trip . . .

Tours have been planned to many of Oregon's most magnificent scenic areas . . . to the famous Oregon Coast . . . to the high Cascades with their dense forests and sparkling lakes . . . to Ashland and the Shakespearean Festival. Two trips to the Seattle World's Fair will be feature attractions of the summer trip program. These are some of the tours:

The Oregon Coast: A one-day trip will be made to Florence on the Oregon Coast and then north to Depoe Bay. With frequent stops along this route, the tour members will see what has been described as the most magnificent coast line in the world. A University geologist will explain the significance of the many natural phenomena; it should prove to be an exciting and rewarding trip.

Rogue River and the Oregon Coast: Leaving Eugene on a Saturday, 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 the state's most inaccessible regions. The boat trip covers about 30 miles between trackless stands of virgin timber to the community of Agness, where the group will have dinner before returning down the river to Gold Beach.

McKenzie River and 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 which covers thousands of acres. From the view point at the top of McKenzie Pass, the tour members will see many of the major extinct volcanoes of Oregon. This area is in the shadow of the majestic Three Sisters, snow-capped peaks of the Cascade Range. The return trip will follow the upper McKenzie River with its series of awesomely beautiful water falls.

Shakespearean Festival: Two special trips are planned for summer students this year to Ashland, Oregon, for the Shakespearean Festival. The tour members will see a different Shakespearean play done outdoors in the traditional Elizabethan manner on each trip. You will leave on Saturday, see the play that evening, stay overnight at Southern Oregon College, and return on Sunday morning.

Crater Lake: Leaving Eugene early Sunday morning, the tour will move over the Willamette Pass, with its high cascading waterfalls and towering power dams. After winding up the sides of the extinct volcano, Mt. Mazama, the tour members will view the wonder of Crater Lake. After lunch there will be a rim drive around the edge of the crater; a park ranger will outline the forces that created this spectacular creation of nature.

Deep Sea Fishing: Small group charter trips will be scheduled throughout the summer for students who wish to try their hand at deep-sea sport fishing off the Oregon coast.

Hiking Trips: Smaller groups may be formed on request to take week-end hiking trips with experienced guides into the nearby wilderness areas. Anyone wishing to participate in such a trip should be prepared to furnish his own sleeping bag and camping gear. Special tours may also be arranged to give visitors a chance to see large lumber mills in operation and logging operations in the woods.

Each of the trips, with the exception of fishing and hiking trips, is contingent on a registration of at least 32 people for each tour.

For a second basic certificate, 24 term hours of work toward the completion of the fifth-year program are required.

Graduate Program for Teachers. The University offers a program of graduate study planned especially for students working toward the satisfaction of the Oregon state requirement for a fifth year of college work for final high-school teacher certification. The program leads to the M.A. or M.S. degree.

Enrollment in the program 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 in which he proposes to work and must complete prerequisites for specific courses. The requirements for the teaching program 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 subject fields (work in liberal arts departments or professional schools other than education), distributed in accordance with one of the following options:

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

Option 2. A minimum of 36 term hours in one of the following fields: art, biology, business administration, English, French, history, health and physical education, mathematics, music, Spanish.

Option 3. A minimum of 36 term hours in the composite field of social studies or the composite field of science. A program in social studies may include work in the fields of anthropology, economics, geography, history, political science, psychology, and sociology. A program in science may include work in the fields of biology, chemistry, geology, mathematics, and physics.

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

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

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

(2) Satisfaction of the regular requirements of the Graduate School, except that no thesis is required. The combined total of work transferred from other accredited institutions and work done in the General Extension Division of the Oregon State System of Higher Education cannot exceed 15 term hours.

For the M.A. degree, the student must show, by examination or by adequate undergraduate courses (completion of the second-year college sequence), a reading knowledge of one foreign language, preferably French or German; on petition to the dean of the Graduate School, a student may be permitted to substitute another language, provided it is equally relevant to his program of graduate study. For the M.S. degree there is no foreign-language requirement, unless a language is required by a school or department.

The program is administered by the dean of the Graduate School and supervised by the Committee on Interdisciplinary Studies; Dr. Lloyd R. Sorenson, associate professor of history, serves as adviser to students in the teaching program.

Other Graduate Programs. The University also offers departmental master's degrees in a wide variety of teaching fields. Work toward these degrees is

especially suited to the need of teachers 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 M.Ed., which suits the needs of the superintendents, deans, principals, and elementary teachers. For 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 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 will also be offered. 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.

Registration Procedures

Students will register for the summer session on Monday, June 17; classes will begin Tuesday morning, June 18. Registration will begin at 8:00 a.m. and continue until 4:00 p.m. Students will receive registration materials and further instructions at the Registrar's Office. Registration for pre-session workshops will be on June 10.

Summer Session Fees

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

Registration fee, eight-week session.....	\$100.00
Registration fee, eleven-week session	\$100.00
Students registering for 8 or more term hours of work (for credit or as auditors) pay these fees. There is no additional out-of-state fee for the summer session. Graduate students employed as teaching or research assistants during the summer session pay a fee of \$34.00.	
Part-time fee	\$25.00 to \$87.50
1 or 2 term hours, \$25.00; 3 term hours, \$37.50; 4 term hours, \$50.00; 5 term hours, \$62.50; 6 term hours, \$75.00; 7 term hours, \$87.50. Paid also by auditors attending classes carrying a total credit of 7 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 19.	
Graduate qualifying examination fee.....	\$1.00 to \$15.00
Staff fee, per term hour.....	\$3.00
With the approval of the President's Office, staff members enrolled in University	

courses pay a special staff fee of \$3.00 per term hour. Full-time staff members (academic or civil service) may enroll under this fee for a limited amount of work for credit, generally for not more than 3 term hours of work in any term; academic staff members employed half-time or more but less than full-time, may enroll under this fee for a maximum of 10 term hours of work.

Fees for school psychological services:

Diagnostic service	\$ 5.00
Corrective and remedial service.....	\$10.00
College prep and adult reading fee.....	\$25.00

Music fees see page 66

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

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

Board and Room

No deposit or advance payment is required for dormitory accommodations for summer session. Room and board payments are due and payable upon arrival. Board and room for both men and women will be available in the dormitories. Both single and multiple-occupancy rooms are available.

Blankets and bed linen, and the laundry of these items, are furnished by the dormitories. Students must furnish their own towels.

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, either regularly on a contract basis or a la carte.

Supervision is provided for undergraduate women.

Facilities will be available for married couples without children, with charges at the individual rate. Married couples, to be certain of accommodations, must make advance reservations with the Director of Dormitories, Carson Hall, University of Oregon. Individual applications must be submitted by husband and wife.

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

	Multiple Room	Single Room	Contract* Board	Total Board and Room Multiple	Single
Eleven-week session	\$88.00	\$115.50	\$134.10	\$222.10	\$249.60
Eight-week session	64.00	84.00	97.50	161.50	181.50
Seven-week session	58.00	75.00	86.50	144.50	161.50
Six-week session	50.50	65.50	75.50	126.00	141.00
Five-week session	43.00	55.50	64.50	107.50	120.00
Four-week session	35.50	45.50	52.50	88.00	98.00
Three-week session	28.00	35.50	40.25	68.25	75.75
Two-week session	20.00	26.00	27.90	47.90	53.90
One-week session	12.00	16.50	13.95	25.95	30.45
Daily	2.50	3.50	3.10	5.60	6.60

Room and board charges are payable in advance at the opening of the session or in two installments of one-half the total charge. The first installment is due at the opening of the session. The second installment is due not later than July 24.

A penalty charge of \$1.00 per day up to a maximum of \$5.00 is made if the first installment is not paid by June 26 or if the second installment is not paid by July 24.

* Contract board will be provided for five days each week (14 meals—Monday breakfast through Friday luneh). A la carte cafeteria meals will be served seven days each week. The cafeteria is open to all University students, faculty, and guests. Persons boarding on a five-day contract may purchase meals in the cafeteria on weekends.

All students entering the summer session for programs beginning after the opening of the eight-week session and residing in the dormitories pay dormitory charges upon arrival.

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 p.m. to 4:00 p.m.

The dormitories will be open for summer session at 9:00 a.m. on Sunday, June 16. Students should report to Carson Hall, Thirteenth and Beech Streets, upon arrival, to receive dormitory assignment. The first meal served will be breakfast on Monday, June 17. The dormitories will close at 7:00 p.m. on Friday, August 9, for the eight-week session and at 7:00 p.m. on Friday, August 30, for the eleven-week session. The last meal served will be the evening meal on Friday, August 9, for the eight-week session and on Friday, August 30, for the eleven-week session.

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 Office, Carson Hall.

Housing for Married Students. The University operates housing units for married students, some of which will be available for the summer session. Married students interested in these quarters should write to Married Student Housing, Carson Hall. Married students seeking off-campus living quarters may obtain a list of off-campus housing accommodations from the Housing Office, Carson Hall.

Married students may also obtain rooms in the dormitories.

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

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

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

General Information

Forums and Lectures. Evening forums and lectures by visiting lecturers and 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 summer recreation 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 University gymnasiums, 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 special music summer sessions for high-school students will be held on the campus. The first session, June 16-28, will be for band students. The second, June 30-July 5, will be for orchestra students. Observation of the rehearsals of these high-school groups will be interesting and valuable to high-school music teachers.

Summer Sun. The *SUMMER SUN*, a weekly paper devoted to summer session news, will be published by the journalism classes and 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 plan 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.

University Placement Service. The University maintains a centralized office, the University Placement Service, which assists graduates in securing new or better positions in education, business, or government. The office is located at 165 Emerald Hall.

Students who have taken, or are currently enrolled for, at least 12 term hours of University work, and who are completing degree requirements, are provided initial placement service without charge. Alumni and former registrants who desire to use this service are charged a fee of \$5.00 per year. Registration forms may be obtained upon request.

Museum of Art. The Museum of Art, housing the Murray Warner Collection of Oriental Art and other University art collections, will be open to students during the summer from 1:00 to 5:00 p.m., Tuesday through Sunday.

Special exhibits of interest to summer session students will be shown, together with the permanent exhibition of the Murray Warner Collection. The museum is available for use by classes during morning hours, in addition to regular hours, by advance arrangements with the museum secretary.

Museum of Natural History. The Museum of Natural History in the Anthropology-Museum Building is open Monday through Friday from 8:00 a.m. to 5:00 p.m. The exhibits in anthropology, biology, geology, and paleontology, are of interest to teachers.

Health Service. Payment of summer sessions 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

- BEd 508. Workshop: Current Trends and Methods in Teaching Bookkeeping and General Business.** 3 hours. June 17-28.
- FBE 508, Ed 508. Workshop: Family Financial Security Education.** 6 hours. June 17-July 12.
- BEd 508. Workshop: Principles and Problems of Business Education.** 3 hours. July 1-12.
- BEd 508. Workshop: Current Trends and Methods in Typewriting.** 3 hours. July 15-26.
- Ec 508. Workshop: Economic Education.** 6 hours. July 15-August 9.
- Ed 508. Workshop: Problems of School Administration.** 4 hours. June 10-21.
- Ed 508. Workshop: Programmed Learning.** 6 hours. June 17-July 12.
- Ed 508. Workshop: Elementary-School Education.** 3 hours. June 17-28.
- Ed 508. Workshop: Secondary School Administration.** 1-2 hours. July 15-19.
- Ed 508. Workshop: The Student Council.** 2-5 hours. August 11-30.
- Ed 508. Workshop: Problems of Administration Related to Education of Exceptional Children.** 1-3 hours. July 15-19.
- Ed 508. Workshop: Curriculum for the Gifted Child.** 3 hours. July 15-26.
- Geog 508. Workshop: Teaching Geography in the Junior High School.** 3 hours. June 17-July 12.
- PE 408. Workshop: Secondary-School and College Physical Education.** 1-6 hours. June 17-July 5.
- PE 406. Coaching Clinic.** 1-2 hours. June 10-14.
- MuE 408. Workshop: Comparative Music.** 3 hours. July 8-18.
- MuE 408. Workshop: Creating Music in the Classroom.** 3 hours. July 8-18.
- MuE 408. Workshop: Instrumental Music in Canadian and English Schools.** 3 hours. July 22-August 1.
- Sp 508. Workshop: Educational Television.** 4 hours. June 10-21.
- Mathematics Institute.** June 17-August 9.
- High-School Music Session.** Band, June 16-28; Orchestra, June 30-July 5.
- World Affairs Program.** June 17-August 9.
- Oregon Institute of Marine Biology.** June 17-August 9.
- Summer Academy of Contemporary Arts.**

Eleven-Week Session

The University's eleven-week summer session offers a full term's work, designed particularly for freshman and sophomore students interested in completing a four-year college program in three years, and upper-division and graduate work in several fields. The courses listed below will be offered in the 1963 session. These courses will run for a full eleven weeks from June 17 to August 30. A student may take a full term's work, normally 16 hours, by selecting a program from among these courses.

Architecture and Allied Arts

AA 187. **Design Studio I.** 2 hours.

No-grade course. Execution of design projects and exercises intended to familiarize the student with fundamental form and space concepts of architecture; development of skill in control of proportion, scale, and design relationships. Students are encouraged to develop habits of problem formulation and sound bases for value judgments; the release of the student's potential creative capacities is a primary concern of the course. 9-12 MW. Dole.

AA 287. **Design Studio II.** 3 hours.

No-grade course. The study of the development of concepts of use, purpose, function, and facilities. Investigation of the factors of physical environment, surroundings, and site. Integration of the total design considerations to produce a visual art form. Required for architecture, interior, and landscape architecture majors. Prerequisite: AA 187 or equivalent.

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

Instruction in the use of oil color, water color, and other media. 9-12 TuTh.

Biology

Bi 101. **General Biology (First Term).** 4 hours.

First four weeks, June 17-July 12. Fundamental principles of life science illustrated by studies of structure, function, and evolution in animals and plants. 8-9 :30 daily; lab, 9 :30-12:30 MWTh. Masterson, Hindman.

Bi 102. **General Biology (Second Term).** 4 hours.

Second four weeks, July 15-August 9. Continuation of Bi 101. 8-9:30 daily; lab 9:30-12:30 MWTh. Masterson, Hindman.

Bi 103. **General Biology (Third Term).** 4 hours.

Three weeks, August 12-30. Continuation of Bi 103. 8-10 daily; lab 10-12 daily. Masterson, Hindman.

Business Administration

Accounting

Ac 211, 212. **Fundamentals of Accounting.** 6 hours.

Covers the first two terms of the regular three-term sequence in basic accounting. An introduction to accounting as a means of developing information about business enterprises for the use of managers, creditors, investors, and the public. Primary emphasis on analysis and interpretation, rather than the

collection and presentation of financial data. The accounting process, accounting concepts, valuation problems, income determination, and analysis of cost information. 9 daily. Harwood.

Ac 313. Managerial Accounting. 3 hours.

Designed for students not specializing in accounting. Emphasis on the use of accounting data by management; preparation, analysis, and interpretation of financial statements, including fund statements, internal accounting reports, budgets, and special cost studies. Credit not granted for both Ac 313 and Ac 350, 351, Ac 352. Prerequisite: Ac 213. 3-4:30 TuTh. Soha.

Ac 503. Thesis. Hours to be arranged.

Ac 540. Administrative Controls. 3 hours.

Nature of control in human organization; place of control in total management; conventional and developing techniques of control; basic statistical methods for control; the role of the computer in control systems; study and programming for MINIVAC computer-simulator. 3 MWF. Harwood.

Business Statistics

BS 232. Introduction to Business Statistics. 4 hours.

Modern business decision theory, and statistics as a tool for business decision making; primary emphasis on statistical description (tables, charts, and frequency distributions) and the elements of probability; consideration also of modern data processing, index numbers, and time-series analysis (trend, cyclical, and seasonal adjustments) of business data. 8 daily. Christy.

Finance and Business Economics

FBE 216. Business Law. 5 hours.

The legal system and legal procedures; legal principles in the fields of contracts and agency; legal problems related to the organization and operation of business firms; principles and problems illustrated by selected cases. Designed to provide a basic understanding of the law as it affects business. 10 daily. Robert.

FBE 320. Financial Institutions. 5 hours.

The functions and economic significance of the major financial institutions in the economy that make the savings of society available to consumers, businesses, governments, including commercial banks, savings banks, savings and loan associations, credit unions, insurance companies, investment trusts, various governmental lending agencies, and international financial institutions; analysis of each institution and the part it plays in providing the short-, intermediate-, and long-term credit needs of the users of funds; the commercial banking system in relation to its function of supplying the nation's money supply. 11 daily. Richins.

FBE 322. Business Finance. 5 hours.

Problems of the financial management of a business unit. Financial analysis and planning, including capital budgeting, the acquisition of funds, and the management of funds. The financial manager in his role as a decision maker. How to determine the financial condition of the firm. Money and capital markets, trade credit, commercial bank loans, sources of intermediate-term funds, and long-term money in the form of bonds and stocks examined to discover their relative usefulness and applications. The internal day-to-day problems of maintaining an even flow and turn of assets to their best use. Prerequisite: FBE 320. 1 daily. Burrell.

FBE 418. Advanced Business Law. 5 years.

Study of the several fields of law related to business: negotiable instruments; sales of personal property; real property, including landlord and tenant and mechanic's liens; security devices for credit transactions; business torts; government regulation of business; labor law. Prerequisite: FBE 216. 2 daily. Robert.

FBE 463. Investments. 3 hours.

Economic and mathematical principles relating to the investment valuation process; corporate practices and financial institutions and organizations that serve the investor; analysis of various types of securities and other investment media; investment policy for both individuals and institutions. 9 MWF. Burrell.

FBE 466. Business Fluctuations. 5 hours.

Designed to prepare the student to plan successfully in a dynamic business environment; analysis of forces that cause pervasive fluctuations in aggregate business activity; the effects of these fluctuations on individual business firms and industries; relationships among long-run trends and shorter cycles; forecasting techniques and policy measures; the growing impact of government decisions on the profits of a particular business and on price and income levels related to business actions, such as inventory and investment policies which affect economic stability. 10 daily. Christy.

FBE 503. Thesis. Hours to be arranged.**FBE 522. Problems in Business Finance.** 3 hours.

Selected problems in the financing of business enterprise, including short-term financial arrangements; credit management, short-term bank borrowing, the preparation and use of financial information, the uses and difficulties of forecasting money needs, the choice between debt and equity, the cost of capital, and other problems. Classroom discussion of cases. 11 MWF. Burrell.

FBE 530. Managerial Economics. 3 hours.

The varied forms in which economic concepts appear in the operation of individual business units; emphasis on the approach to problems of management decision making and forward planning through formulation of problems in a conceptually quantitative manner capable of numerical solution; integration of economic principles with various areas of business administration; the role of uncertainty given particular attention. 8 MWF. Richins.

Marketing and Industrial Management

MIM 323. Elements of Marketing. 5 hours.

The marketing structure of business; analysis of the service functions of marketing—distribution, transportation, storage, grading, financing; problems of merchandising and internal control of the distributive function. 2 daily. Bell.

MIM 321. Organization and Interpersonal Relations. 5 hours.

Principles of management applied to commercial and industrial concerns; business planning, policy formulation, establishment of procedures, operations; theory and design of organizational structure; impact of work-flow plans, leadership patterns, and control systems upon human behavior. 3-5 MWF. Seubert.

MIM 413. Wage and Salary Administration. 3 hours.

Systematic administration of wages and salaries as a means of motivation and control in the business enterprise. Job analysis, description, and specifications; job evaluation methods; community wage and salary surveys; establishing wage structures by job evaluation and wage levels by collective bargaining and other methods; principles and administration of wage incentive plans; evaluating the results of wage incentives; compensating clerical, supervisory, and management personnel. Prerequisite: MIM 412 or consent of the instructor. 11 MWF. Seubert.

MIM 503. Thesis. Hours to be arranged.**MIM 507. Seminar: Marketing Theory.** 3 hours.

Analysis of subject areas in marketing where theoretical concepts are most applicable; examination of theoretical approaches of several social sciences

and an evaluation of their relevancy to the development of theory and theoretical concepts in marketing. 11-12:30 TuTh. Bell.

MIM 531. Theory of Business Organization. 3 hours.

The role of theory in the social sciences; research and theory dealing with organizational structure, leadership, communication, evaluation, decision making, control; an attempt to integrate traditional and behavioral-science approaches to organization and organizational behavior. 1 MWF. Seubert.

Secretarial Science

SS 111. Stenography. 3 hours.

A study of basic shorthand with emphasis on theory and speed development. Students who have had one year of high-school shorthand may not register for credit. 9 MTuWTh. Senn.

SS 121. Typing. 2 hours.

Theory and practice of touch typing; speed and accuracy development; emphasis on personal use. Ninth-grade through twelfth-grade high-school students may register without credit. Students with one year of high-school typing should register for SS 122. 8 daily. Senn.

SS 122. Typing. 2 hours.

Principles of touch typing; emphasis on skill development, with stress on speed and accuracy; preparation of various business forms. 8 daily. Senn.

SS 324. Office Practice. 2 hours.

Advanced secretarial instruction; duplicating machines; voice-writing machines; electric typing. 9 MTuWTh. Senn.

Economics

***Ec 202. Principles of Economics (Second Term).** 3 hours.

Money, monetary policy, and economic growth. Economics of the firm. 9 MWF. Smith.

***Ec 203. Principles of Economics (Third Term).** 3 hours.

Factor pricing, domestic and international economic problems. 10 MWF. Smith.

Ec 463. Economics of Competitive Industries. 3 hours.

Industrial organizations; competition and price determination. Development and application of anti-trust legislation in the American economy. 11 MWF. Smith.

English

Wr 50. Corrective English. 1 hour.

No-grade course. One-term course in the mechanics of English, required of freshmen who receive low ratings in an entrance placement examination. 1 MWF. Stallman.

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

Fundamentals of English composition. Equivalent of the first term of English composition given during the regular academic year. 8 MWF. Gardiner.

* The complete year sequence in Principles of Economics may be satisfied during the summer by enrolling in Ec 201 in the eight-week session and in Ec 202 and 203 in the eleven-week session.

- Wr 111. **English Composition (First Term)**. 3 hours.
Fundamentals of English composition. Equivalent of the first term of English composition given during the regular academic year. 9 MWF. Aho.
- Wr 111. **English Composition (First Term)**. 3 hours.
Fundamentals of English composition. Equivalent of the first term of English composition given during the regular academic year. 10 MWF. Gardiner.
- Wr 112. **English Composition (Second Term)**. 3 hours.
Fundamentals of English composition. Equivalent of the second term of English composition given during the regular academic year. 10 MWF. Stallman.
- Wr 113. **English Composition (Third Term)**. 3 hours.
Fundamentals of English composition. Equivalent of the third term of English composition given during the regular academic year. 11 MWF. McKnight.
- Eng 101. **Survey of English Literature (First Term)**. 3 hours.
Anglo-Saxon beginnings to the Renaissance. 9 MWF. McKnight.
- 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. 11 MWF. Strange.
- Eng 105. **Appreciation of Literature (Second Term)**. 3 hours.
Continuation of 104. 8 MWF. Hynes.
- Eng 107. **World Literature (First Term)**. 3 hours.
Study of the literary and cultural foundations of the Western world through analysis of a selection of masterpieces of literature, ancient and modern, read in chronological order. The readings include continental, English, and American works. 1 MWF. Strange.
- Eng 201. **Shakespeare (First Term)**. 3 hours.
Study of the important plays—comedies, histories, and tragedies. Required for majors. 10 MWF. Svendsen.
- Eng 391. **American Novel**. 3 hours.
From the beginnings through Howells (Brackenridge, Cooper, Hawthorne, Melville, Stowe, Howells). 10 MWF. McCloskey.
- Eng 395. **Twentieth-Century Literature**. 3 hours.
A critical discussion of important American, British, and European literature written between the World Wars: 1914-1940; significant works of drama, poetry, and fiction by such authors as O'Casey, O'Neill, Eliot, Stevens, Joyce, Faulkner, and Kafka. 11 MWF. Hynes.
- Eng 482. **Major American Writers**. (G) 3 hours.
Intensive study of Emerson and Thoreau.

Foreign Languages

- GL 50. **First-Year German (First Term)**. 4 hours.
First four weeks, June 17-July 12. The fundamentals of grammar, oral drill, translation of prose selections. Equivalent of the first term of First-Year German given during the regular academic year. Recommended for students who wish to acquire a reading knowledge. 8-10 daily. Gontrum.
- GL 51. **First-Year German (Second Term)**. 4 hours.
Second four weeks, July 15-August 9. Continuation of GL 50. Equivalent of the second term of First-Year German given during the regular academic year. 8-10 daily. Gontrum.
- GL 52. **First-Year German (Third Term)**. 3 hours.
Three weeks, August 12-30. Continuation of GL 51. Completion of the se-

quence GL 50, 51, 52, the approximate equivalent of First-Year German given during the regular academic year; qualifies the student to enter Second-Year German. 8-10 daily. Gontrum.

RL 50. First-Year French (First Term). 4 hours.

First four weeks, June 17-July 12. An introduction to the language, stressing reading, comprehension of the spoken tongue, and the basic principles of French grammar. Equivalent of the first term of First-Year French given during the regular academic year. 8-10 daily. Marshall.

RL 51. First-Year French (Second Term). 4 hours.

Second four weeks, July 15-August 9. Continuation of RL 50. Equivalent of the second term of First-Year French given during the regular academic year. 8-10 daily. Marshall.

RL 52. First-Year French (Third Term). 3 hours.

Three weeks, August 12-30. Continuation of RL 51. Completion of the sequence RL 50, 51, 52, the approximate equivalent of First-Year French given during the regular academic year, qualifies the student to enter Second-Year French. 8-10 daily. Marshall.

RL 101. Second-Year French (First Term). 4 hours.

First four weeks, June 17-July 12. Study of selections from representative authors; review of grammar; considerable attention to oral use of the language. 8-10 daily. Solinis.

RL 102. Second-Year French (Second Term). 4 hours.

Second four weeks, July 15-August 9. Continuation of RL 101. Equivalent of the second term of Second-Year French given during the regular academic year. 8-10 daily. Solinis.

RL 103. Second-Year French (Third Term). 3 hours.

Three weeks, August 12-30. Continuation of RL 102. Completion of the sequence RL 101, 102, 103, the approximate equivalent of Second-Year French given during the regular academic year. Satisfies the language requirement for the B.A. degree. 8-10 daily. Solinis.

RL 70. First-Year Italian (First Term). 4 hours.

First four weeks, June 17-July 12. Grammar, pronunciation, composition, and translation of modern authors. Equivalent of the first term of First-Year Italian given during the regular academic year. 10-12 daily. Hatzantonis.

RL 71. First-Year Italian (Second Term). 4 hours.

Second four weeks, July 15-August 9. Continuation of RL 70. Equivalent of the second term of First-Year Italian given during the regular academic year. 10-12 daily. Hatzantonis.

RL 72. First-Year Italian (Third Term). 3 hours.

Three weeks, August 12-30. Completion of the sequence RL 70, 71, 72, the approximate equivalent of First-Year Italian given during the regular academic year; qualifies the student to enter Second-Year Italian. 10-12 daily. Hatzantonis.

RL 60. First-Year Spanish (First Term). 4 hours.

First four weeks, June 17-July 12. An introduction to Spanish, stressing speaking and reading; exercises in elementary composition. Equivalent of the first term of First-Year Spanish given during the regular academic year. 10-12 daily. Rosen.

RL 61. First-Year Spanish (Second Term). 4 hours.

Second four weeks, July 15-August 9. Continuation of RL 60. Equivalent of the second term of First-Year Spanish given during the regular academic year. 10-12 daily. Rosen.

RL 62. First-Year Spanish (Third Term). 3 hours.

Three weeks, August 12-30. Continuation of RL 61. Completion of the sequence RL 60, 61, 62, the approximate equivalent of First-Year Spanish

given during the regular academic year; qualifies the student to enter Second-Year Spanish. 10-12 daily. Rosen.

RL 107. Second-Year Spanish (First Term). 4 hours.

First four weeks, June 17-July 12. Intensive oral and written exercises designed to help the student acquire an accurate and fluent use of Spanish; study of selections from representative authors. 10-12 daily. Palley.

RL 108. Second-Year Spanish (Second Term). 4 hours.

Second four weeks, July 15-August 9. Continuation of RL 107. Equivalent of the second term of Second-Year Spanish given during the regular academic year. 10-12 daily. Palley.

RL 109. Second-Year Spanish (Third Term). 3 hours.

Three weeks, August 12-30. Continuation of RL 108. Completion of the sequence RL 107, 108, 109, the approximate equivalent of Second-Year Spanish given during the regular academic year. Satisfies the language requirement for the B.A. degree. 10-12 daily. Palley.

SL 50. First-Year Russian (First Term). 4 hours.

First four weeks, June 17-July 12. The elements of the Russian language. Elementary reading, composition, and conversation. 8-10 daily. Tolson.

SL 51. First-Year Russian (Second Term). 4 hours.

Second four weeks, July 15-August 9. Continuation of SL 50. Equivalent of the second term of First-Year Russian given during the regular academic year. 8-10 daily. Tolson.

SL 52. First-Year Russian (Third Term). 3 hours.

Three weeks, August 12-30. Completion of the sequence SL 50, 51, 52, the approximate equivalent of First-Year Russian given during the regular academic year; qualifies the student to enter Second-Year Russian. 8-10 daily. Tolson.

Geography

Geog 105. Introductory Geography. 3 hours.

First four weeks, June 17-July 12. A general introduction to the field of geography; physical geography emphasized. 10-12 MTuWTh.

Geog 106. Introductory Geography. 3 hours.

Second four weeks, July 15-August 9. A general introduction to the field of geography; regional geography emphasized. 10-12 MTuWTh. Price.

Geog 107. Introductory Geography. 3 hours.

Three weeks, August 12-30. A general introduction to the field of geography; cultural geography emphasized. 10-12 daily. Price.

Geog 301. Geography of Oregon. 3 hours.

First four weeks, June 17-July 12. A study of the land forms, climate, population, resources, products, and people of the Pacific Northwest, with emphasis on Oregon. 8-10 MTuWTh. Dicken.

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

Second four weeks, July 15-August 9. Physical and cultural geography of the western U.S. and Canada. 8-10 MTuWTh. Dicken.

Geog 303. Geography of Eastern North America. 3 hours.

Three weeks, August 12-30. Physical and cultural geography of the eastern United States and Canada. 8-10 daily. Price.

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

Three weeks, August 12-30. Intensive study of the physical and cultural processes that have shaped the landscapes of western and southern Europe. 8-10 daily.

History

- Hst 101. **History of Western Civilization.** 3 hours.
Origin and development of Western civilization in the ancient and medieval periods. 9 MWTh. Birn.
- Hst 102. **History of Western Civilization.** 3 hours.
From the Renaissance to 1815. 11 MWTh. Birn.
- Hst 103. **History of Western Civilization.** 3 hours.
Since 1815. 8 MWTh. Pierson.
- Hst 201. **History of the United States.** 3 hours.
The thirteen colonies, the American Revolution, and the United States to about 1840. 1 MWTh. Peterson.
- Hst 202. **History of the United States.** 3 hours.
The United States from 1840 to 1900. 10 MWTh. Peterson.
- Hst 301. **Europe since 1789.** 3 hours.
Political, social, economic, and cultural trends from the French Revolution to 1870. 10 MWTh. Pierson.
- Hst 405. **Reading and Conference.** Hours to be arranged.
Peterson.
- Hst 407. **Seminar: The French Revolution.** 3 hours.
Birn.
- Hst 407. **Seminar: Twentieth-Century Totalitarianism.** 3 hours.
Concentration on the German experience, with reference to Russian and Italian developments where they appear particularly illuminating. Pierson.

Mathematics

- Mth 10. **Elements of Algebra.** No credit.
Intended for students who have had less than one year of high-school algebra. 8 MTuWTh.
- Mth 100. **Intermediate Algebra.** 4 hours.
Intended for students who have had only one year of high-school algebra or who have not had algebra for some time. 8 MTuWTh.
- Mth 104. **Introductory College Mathematics.** 4 hours.
The first term of the standard freshman course. Primarily college algebra and trigonometry. Prerequisite: one and one-half years of high-school algebra, or intermediate algebra in college. 10 MTuWTh.
- Mth 105. **Introductory College Mathematics.** 4 hours.
The second term of the standard freshman course. Primarily analytic geometry. Prerequisite: trigonometry. 8 MTuWTh.
- Mth 106. **Introductory College Mathematics.** 4 hours.
The third term of the standard freshman course. Elements of calculus and other topics. Prerequisite: consent of department. 10 MTuWTh.
- Mth 405. **Reading and Conference.** Hours to be arranged.
- Mth 407. **Seminar: Number Theory.** 3 hours.
Prerequisite: A one-term course in number theory. Time to be arranged.
- Mth 444. **Computing. (G)** 4 hours.
First ten weeks, June 17-August 23. IBM 1620 programming and computing.
- Mth 501. **Thesis.** Hours to be arranged.

Mth 503. **Research.** Hours to be arranged.

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

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

Music

Mus 111. **Music Theory I.** 4 hours.

Theory I and II are basic courses for all majors in the School of Music, providing a thorough groundwork in the elements of music science—melodic, harmonic, and rhythmic—taught through analysis of the styles of Bach, Haydn, Mozart, Beethoven, and other eighteenth- and nineteenth-century composers. 11 daily. Earls.

Mus 211. **Music Theory II.** 3 hours.

For description see Mus 111. Prerequisite: Mus 111, 112, 113. 2 MTuWTh. Earls.

Mus 214. **Keyboard Harmony.** 1 hour.

Application of theoretical principles to the keyboard; exercises in modulation, transposition, and development of extempore playing. Prerequisite: Mus 111, 112, 113. 2 F. Earls.

Mus 201, 202, 203. **Introduction to Music and Its Literature.** 9 hours.

Cultivation of understanding and intelligent enjoyment of music through a study of its elements, forms, and historical styles. 8-10 MWF; 9-10 TuTh. Maves.

Physical Education

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

For men and women. 12 MWF. Ballou.

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

For men and women. 11 MWF. Ballou.

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

For men and women. 1-2:40 MW and 1-2:40 TuTh. Ballou.

Physics

Ph 204. **General Physics Laboratory.** 1 hour.

1-3 M.

Ph 205. **General Physics Laboratory.** 1 hour.

1-3 Tu.

Ph 206. **General Physics Laboratory.** 1 hour.

1-3 W.

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: Theoretical Physics.** Hours to be arranged.

Ph 507. **Seminar: Nuclear Physics.** Hours to be arranged.

Ph 507. **Seminar: Solid State Physics.** Hours to be arranged.

Political Science

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

Provisions and principles of the United States Constitution; how they were formulated and have developed in American government and politics. 8 MWF. Klonoski.

Sociology

Soc 204. **General Sociology.** 3 hours.

First four weeks, June 17-July 12. Introduction to basic sociological problems. A frame of reference, selected hypotheses, and empirical generalizations will be given in connection with these problems; dominant characteristics of modern societies; the relation between the individual and the group. 1-3 MTuWTh. Price.

Soc 205. **General Sociology.** 3 hours.

Second four weeks, July 15-August 9. Types of social groups, analysis of the components of groups; economic, political, and control components or groups. Prerequisite: Soc 204. 1-3 MTuWTh. Price.

Soc 206. **General Sociology.** 3 hours.

Three weeks, August 12-30. Analysis of the control components of groups; kinship, religion, and social stratification; social change, population, and ecology. Prerequisite: Soc 204, 205. 1-3 MTuWTh. Price.

Eight-Week Session

Anthropology

Associate Professor : ALFRED G. SMITH.

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

Anth 456. **Language, Culture, and Behavior.** (G) 3 hours.

The way people and groups behave toward one another through language, gestures, and other forms of communication; how people learn these forms of communication and how this changes their behavior; special emphasis on the symbolic systems of American children. 11 MTuWTh. Smith.

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

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

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

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

The background and perspectives of each of the social-science disciplines—anthropology, economics, political science, psychology, and sociology. Selected aspects of social organization and process considered in detail. 8-10 daily. Tope, Campbell, Johnson, Goldstein, Smith, Fosmire.

Architecture and Allied Arts

Professors : HAYDEN, WILKINSON.

Associate Professors : BALLINGER, BURGNER, FERENS, NIXON.

Assistant Professors : BUCKNER, DOLE, FOSTER, GEHRING, GYGAX, JAMES, KRAMER, MOURSUND, SMITH.

Applied Design

AA 255. **Ceramics.** 2-3 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. 1-3 MTuWTh. James.

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

Introduction to basic weaving techniques; the dressing, care, and manipulation of several types of looms; experimentation with a wide variety of fibers; production of textiles of original design on four- and ten-harness looms. 1-3 MTuWTh. Nixon.

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

The handworking of nonferrous metals—copper, brass, pewter, silver, gold. Development of design for metal objects; enameling on metal; centrifuge casting. 8-10 MTuWTh. Nixon.

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

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

AA 455. **Advanced Ceramics.** (G) 2-3 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 atmosphere and effects on body glaze. Students assume responsibility for firing their own work. Prerequisite: 6 hours in AA 255. 10-12 MTuWTh. James.

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

Emphasis on creative work. Production of a wide variety of handwoven fabrics; historical studies, fabric analysis, spinning, and dyeing. 10-12 MTuWTh. Nixon.

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

Emphasis on creative work. Advanced problems in forcing, centrifuge casting, enameling, etching, and repousse. 10-12 MTuWTh. Nixon.

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

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

Architecture

AA 401. **Special Studies: Architecture.** 5 hours.

No-grade course. Intensified conduct of a planning and design project; the group will work collaboratively in the study of a specially formulated project. 8-12 MTuWTh.

AA 487. **Architectural Design.** 5 hours.

Extension of creative processes; synthesis and coordination of technological, cultural, and social aspects of architecture; design projects, individual criticism; group discussions, reviews of projects. Prerequisite: 12 term hours in AA 387. 8-12 MTuWTh.

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

AA 587. **Architectural Design.** 6 hours.

No-grade course. Offered for students nearing completion of their major program who wish to accelerate their advancement toward graduation. Terminal-project candidates planning to enroll should be recommended by their committee chairman. 8-12 MTuWTh.

Art Education

ArE 401. **Special Studies: Art in Secondary-School Curriculum.** 2-3 hours.

Study of significant art experiences for junior and senior high-school students. Laboratory, lecture, and discussion periods. 10-12 MTuWTh. Ballinger.

ArE 401. **Special Studies: Art for Elementary Teachers.** 2-3 hours.

Critical examination of the significance of art experience for teacher and student in the primary and intermediate grades. Lectures and laboratory. 10-12 MTuWTh. Gehring.

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

Teaching of art history in the elementary and secondary school; historical and critical approaches to study of painting, sculpture, and architecture; illustrated lectures, readings, and class discussions; of particular interest to librarians, history, art, social science, and elementary teachers. 1 MTuWTh. Kramer.

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

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

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

Current trends and directions in elementary public school art education; methods and laboratory practice in the effective use of materials and ideas in creative activities; significant research and literature in the field. Prerequisite: ArE 311, 312 or one year of teaching experience. 8-10 MTuWTh. Ballinger.

- ArE 501. **Special Studies.** Hours to be arranged.
 ArE 505. **Reading and Conference.** Hours to be arranged.
 ArE 507. **Seminar: The Coming Paradox of Art in Public School Education.**
 3 hours.
 9 MTuWTh. Burgner.

Drawing and Painting

- AA 290. **Painting.** 2-3 hours.
 Instruction in the use of oil color, water color, and other media. 9-12 MTuWTh. Foster.
- AA 349. **Fundamentals of Print Making.** 2-4 hours.
 Graphic reproduction and print techniques in silk screen, block printing, and photographic processes. 1-4 MTuWTh. Foster.
- AA 401. **Special Studies.** Hours to be arranged.
- AA 405. **Reading and Conference.** Hours to be arranged.
- AA 490. **Advanced Painting.** (g) 2-4 hours.
 Advanced problems in portrait, figure, landscape, and still life, in all media. Prerequisite: 12 hours in beginning painting or consent of instructor. 9-12 MTuWTh. Wilkinson.
- AA 491. **Advanced Drawing.** (g) 1-4 hours.
 Advanced work in drawing; study of form from the figure. Prerequisite: 6 hours in lower-division drawing or consent of instructor. 1-4 MTuWTh. Foster.
- AA 492. **Composition and Visual Theory.** (G) 2-4 hours.
 A study of light, color, and visual processes as they relate to easel and mural painting. 9-12 MTuWTh. Wilkinson.
- AA 501. **Special Studies.** Hours to be arranged.
- AA 505. **Reading and Conference.** Hours to be arranged.
- AA 509. **Terminal Creative Project.** Hours to be arranged.
- AA 590. **Graduate Studies in Painting, Drawing, and Design.** 2-4 hours.

History of Art

- AA 401. **Special Studies: American Art.** 3 hours.
 Survey of American architecture, painting, and sculpture, from the Colonial period to the present day. 10 MTuWTh. Kramer.
- AA 401. **Special Studies.** Hours to be arranged.
- AA 405. **Reading and Conference.** Hours to be arranged.
- AA 501. **Special Studies.** Hours to be arranged.
- AA 505. **Reading and Conference.** Hours to be arranged.

Sculpture

- AA 293. **Elementary Sculpture.** 2-4 hours.
 Introduction to materials; elementary considerations of form; technical and compositional exercises in clay, plaster, wood, and stone. Sections for pre- and nonmajors. 1-3 MTuWTh. Buckner.
- AA 401. **Special Studies.** Hours to be arranged.
- AA 405. **Reading and Conference.** Hours to be arranged.

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

No-grade course. Coordination of sculpture with related fields of architecture, landscape, interior, and industrial design. 10-12 MTuWTh. Buckner.

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

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

AA 509. **Terminal Creative Project.** Hours to be arranged.

Open only to master's degree candidates. Buckner.

Biology

Visiting Faculty: CHAPMAN, EFFORD, FEDER, FRITCHMAN, HINDMAN, MURPHY, SPARLING.

Professor: HUESTIS.

Associate Professor: FRANK.

Instructor: MASTERSON.

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 in a series of summer sessions. 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. One term of General Biology and one or more field courses are offered each summer. 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 101. **General Biology.** 4 hours.

First four weeks, June 17-July 12. Fundamental principles of life science illustrated by studies of structure, function, and evolution in animals and plants. This is the first term of a three-term sequence; students who have taken one or two terms previously should consult with the instructor. 8-9:30 daily; lab, 9:30-12:30 MWTh. Masterson, Hindman.

Bi 102. **General Biology.** 4 hours.

Second four weeks, July 15-August 9. Continuation of Bi 101. 8-9:30 daily; lab, 9:30-12:30 MWTh. Masterson, Hindman.

Bi 332. **Plant Morphology.** 4 hours.

Comparative study of the structure and life histories of representatives of vascular plant groups, both extinct and living, with emphasis on basic principles of phylogeny. (Secondary teachers may enroll in Bi 592.) 1 MWF; lab, 2-5 MWF.

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

Gametogenesis, fertilization, development of the vertebrate body plan and its organogeny, as illustrated by amphibian and chick embryos; more limited use of invertebrates and mammals; study of serial sections of embryos of successive ages supplemented by living material. (Secondary teachers may enroll in Bi 596.) 8 MWF; lab, 9-12 MWF. Huestis.

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

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

Bi 439. **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. Includes material directly usable in the public schools. Lectures, laboratory, and field work, including several Saturday field trips. Class limited in size. 1-5 MW, Saturday field trips.

Bi 481. **Microbiology.** (G) 4 hours.

An introductory course designed to give students a broad general familiarity with the major groups of micro-organisms, their biology, their importance in the world and to man. Laboratory work stresses methods for the isolation, characterization, maintenance, and study of as many groups of micro-organisms as possible, with special emphasis on the bacteria. 8 MWF; lab, 9-12 MWF.

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

Designed especially 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. Lectures, discussions, laboratory, and field work, including several Saturday or week-end field trips. Prerequisite: consent of instructor. 1-5 TuTh, week-end field trips. Murphy.

Bi 590. **Recent Advances in Biology.** 4 hours.

Survey of recent advances in the rapidly moving fields of biology, such as cytology, genetics, ecology, physiology, molecular biology, and morphology. (Enrollment restricted to high-school teachers). 8:30-11 TuTh.

Bi 592. **Comparative Morphology of Vascular Plants.** 4 hours.

Comparative study of the structure and life histories of representatives of vascular plant groups, both extinct and living, with emphasis on basic principles of phylogeny. (Enrollment restricted to high-school teachers.) 1 MWF; lab, 2-5 MWF.

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

Gametogenesis, fertilization, and development of the vertebrate body plan and its organogeny, as illustrated by amphibian and chick embryos; more limited use of invertebrates and mammals. Study of serial sections of embryos of successive ages supplemented by living material. (Enrollment restricted to high-school teachers.) 8 MWF; lab, 9-12 MWF. Huestis.

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 published in a special announcement available on request to the Director of Summer Sessions or to Dr. Peter W. Frank, director, Oregon Institute of Marine Biology, Department of Biology, University of Oregon.

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.** (G) Hours to be arranged.

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

Structure, life histories, and ecology of representative marine algae. TuTh. Chapman.

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

Survey of representative invertebrate groups with emphasis on marine forms. Morphology, systematics, ecology and life histories. MWF. Feder.

Bi 476. Biology of Marine Organisms. (G) 8 hours.

Introduction to marine biology for college teachers who have had no first-hand experience in this field. Enrollment restricted to members of N.S.F. Institute For College Teachers. Daily. Fritchman, Sparling, staff.

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

Ecological problems, with special reference to marine invertebrates. Tidal zonation, patchiness and migration in plankton, zoogeography, community structure, population control, fouling organisms. Calculus recommended. TuTh. Efford.

Business Administration

Visiting Faculty: SHERMAN, VEON.

Professor: BURRELL.

Associate Professors: HARWOOD, RICHINS, ROBERT, SEUBERT, SOHA.

Assistant Professors: BELL, CHRISTY.

Instructor: SENN.

Finance and Business Economics

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

First four weeks, June 17-July 12. Aspects of money and banking, insurance, real estate, investments, estates, and family financing related to family financial security. Designed for elementary- and secondary-school teachers, principals, superintendents, curriculum directors, guidance counselors, teacher-training instructors, and other administrators. Admission by prior application. 8:30-12; 1-4 daily. H. Wood, Soha.

Business Education

BEd 508. Workshop: Current Trends in Teaching Bookkeeping and General Business. 3 hours.

June 17-28. Opportunity for graduate students and experienced teachers to study improved methods of teaching bookkeeping and the general business subjects. Research on individual problems. 1-4 daily. Sherman.

BEd 508. Workshop: Principles and Problems of Business Education. 3 hours.

July 1-12. Study of the growth and development of the business education program, with particular emphasis on the secondary level; critical analysis of major problems related to standards, organization, trends, and procedures in the various areas of specialization. 1-4 daily. Veon.

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

Presentation of methods for teaching elementary and advanced typewriting; selected drills for improving skills, remedial drills, standards to be met; application of audio-visual aids available for teaching typewriting; current experimental studies related to typewriting. 1-4 daily. Veon.

Chemistry

Visiting Faculty: FERGUSON.

Ch 320 Elementary Quantitative Analysis. 5 hours.

Lectures on the fundamentals of quantitative analysis; laboratory work devoted mainly to volumetric analysis. Intended to satisfy the needs of sec-

ondary teachers and others not intending to major in chemistry; secondary teachers may enroll in Ch 429. 10 MTuWTh; lab, 2-5 MTuTh.

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

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

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

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

Students wishing laboratory instruction not classifiable as research or thesis may enroll under this number.

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

Lectures on the fundamentals of quantitative analysis; laboratory work devoted mainly to volumetric analysis. Intended to satisfy the needs of secondary teachers and others not intending to major in chemistry. 10 MTuWTh; lab, 2-5 MTuTh. Ferguson.

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

Lectures on the fundamental principles of organic chemistry and types of organic reactions; laboratory work on representative procedures. Intended for teachers of science in secondary schools and others not majoring in chemistry. 11 MTuWTh; lab, 9-12 F. Ferguson.

Economics

Associate Professors: ALLEN, CAMPBELL, SIEGEL.

Assistant Professor: TATTERSALL.

Lecturer: SMITH.

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

Economic resources and institutions; income determination and economic stabilization: government financial operations. 8 MTuWTh. Tattersall.

Ec 318. **Money and Banking.** 3 hours.

A study of the monetary and banking system as a segment of the American economy. 9 MTuWTh. Siegel.

Ec 407. **Seminar: Principles and Problems of Government Finance.** (g) 3 or 4 hours.

Basic issues involved in financing government; theory and its application to contemporary problems of Federal, state, and local units. 10 MTuWTh. Tattersall.

Ec 407. **Seminar: Contemporary International Economic Policies.** (g) 4 hours.

Analysis and evaluation of the major characteristics and problems of the international economy; assessment of policies: European economic integration, U.S. trade policy, economic aid and development policy, and balanced payments policies. 11 daily. Allen.

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

Selected current economic problems in the United States: analysis and evaluation of proposed solutions. 11 daily. Siegel.

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

First four weeks, June 17-July 12. Evaluation of the capitalist economic system, with emphasis upon its historical development and major criticisms. 9 daily. Allen.

* The complete year-sequence requirement in Principles of Economics may be satisfied during the summer by enrolling in Ec 201 in the eight-week session and Ec 202 and 203 in the eleven-week session.

Ec 451. **Comparative Economic Systems.** 4 hours.

Second four weeks, July 15-August 9. Analysis and evaluation of the Soviet economy, with emphasis upon its development, organization, and planning. 9 daily. Allen.

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

Campbell, Siegel.

Ec 503. **Thesis.** Hours to be arranged.Ec 505. **Reading and Conference.** Hours to be arranged.

Tattersall, Siegel.

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. 8-10 daily. Tope, Campbell, Johnson, Goldstein, Smith, Fosmire.

Ec 508. **Workshop: Economic Education.** 6 hours.

Second four weeks, July 15-August 9. Opportunity for experienced secondary-school teachers to combine study of economic problems with the development of teaching materials for economic education in the high school. Designed for experienced teachers in social studies areas where economic education is taught, and for their supervisors and administrators. 8-11, 12-3 daily.

Education

Visiting Faculty: ALLEN, AULD, BATTLE, CONWAY, CUNNINGHAM, DREIKURS, EDLING, JAEGBERS, LESSINGER, McDONALD, SCOBAY, SCOTT, SMITH, WAECHTER, D. WOOD.

Professors: BREEN, CASTELL, CLARKE, DUBIN, HEARN, HINES, JACOBSON, KAMBLY, LOWE, MILLHOLLEN, POND, ROMNEY, RUMMEL, SANDIN, TOPE, H. WOOD.

Associate Professors: CAMPBELL, CANDLAND, DILS, FOSMIRE, GRAHAM, HILL, LAING, LENT, LOUGHARY, NICKERSON, SMITH.

Assistant Professors: ACKER, BERRYHILL, CARLSON, CHRONISTER, JOHNSON, KRAUS, LOVELL, MATTSON, NYE, SCHAAF, SCHMINKE, TATTERSALL, TENBRINKE, WEGNER.

Instructors: CROSS, GOLDSTEIN, McMANIS.

General Education

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

The school as a social institution; the impact of dominant characteristics of American society on the school; historical developments of elementary and secondary education; patterns of curriculum development; school organization; school law; current issues in education. 2 MTuWTh. Tope.

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

The understanding of children's behavior at various developmental levels during the school years; learning theories and principles, and application to classroom situations; individual differences as they affect developmental and learning patterns; methods of evaluating changes in children's behavior. 8-10 MTuWTh. McManis.

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

The nature and influence of such social determinants of child behavior as family, class structure, peer groups, mass media of communication, etc.; the social status of childhood, emerging rights, agencies concerned with children. 11 MTuWTh. Graham.

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

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

The development and use of audio-visual aids in education; emphasis on actual learning situations in which radio, recordings, films, slides, pictures, maps, charts, etc. are utilized; sources of materials and equipment; administration of audio-visual programs. Two sections: 3 MTuWTh; 4 MTuWTh. McDonald.

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

A general review of the growth and development of education in relation to the civilization of the times; emphasis on development of educational philosophies. 9 MTuWTh. Breen.

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

The intellectual development of the United States, with special reference to the development of the school system. Prerequisite: knowledge of American history. 3 MTuWTh. Castell.

Ed 446. **Modern Philosophies of Education.** (G) 3 hours.

An examination of educational philosophies proposed by recent leaders and critics of American educational theory and practice. 11 MTuWTh. Castell.

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. 1 MTuW.

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. 10 MTuWTh. Graham.

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

Instruction may be arranged for the eight-week session, for the first four weeks, or for the second four weeks.

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

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

Instruction may be arranged for the eight-week session, for the first four weeks, or for the second four weeks.

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

Instruction may be arranged for the eight-week session, for the first four weeks, or for the second four weeks.

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

First four weeks, June 17-July 12. Aspects of money and banking, insurance, real estate, investments, estates, and family financing related to family financial security. Designed for elementary and secondary teachers, principals, superintendents, curriculum directors, guidance counselors, teacher-training instructors, and other administrators. Admission by prior application. 8:30-12, 1-4 daily. H. Wood, Soha.

Ed 508. **Workshop: Programmed Learning.** 6 hours.

First four weeks, June 17-July 12. Principles and techniques employed in the development of programmed instructional materials; analysis of characteristics of programs and devices and of psychological principles upon which curriculum materials and devices are based. 9-12, 1-4 daily. Edling.

Ed 542. Urbanization, the Pupil, and the Curriculum. (G) 2-3 hours.

Social patterns in urban society that are pertinent to an understanding of what pupils learn and study, pupil behavior in general, and school problems; the impact of urbanization, the changing American family, teenage culture, population migrations, and cosmopolitan outlooks upon school and pupils; emphasis on effects upon children. 8 MTuW. Graham.

Ed 565. Curriculum Foundations. 3 hours.

Implications of basic social, philosophical, and psychological factors in curriculum planning and organization; historical background; techniques of curriculum planning. 10 MTuWTh. Nickerson.

Ed 566. Curriculum Construction. 3-4 hours.

Second four weeks, July 15-August 9. Survey and appraisal of curricular patterns; state and city programs; courses of study in major subject areas; techniques of course-of-study planning. 2-4 daily. H. Wood.

Elementary Education

Ed 352. The Child and His Curriculum: Language Arts. 3 hours.

Language development from kindergarten through the elementary school; emphasis on language as a means of communication and as a tool for thinking. Reading, reading readiness, the psychology of the reading process, reading skills in relation to other parts of the curriculum, diagnostic and remedial measures; materials and teaching procedures in oral and written communication, spelling, and handwriting. Prerequisite: Ed 315. 9 MTuWTh. Carlson.

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 315. 8 MTuWTh. Schminke.

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. 11 MTuWTh. Nye.

Ed 407. Seminar: Social Studies for the Elementary School. (G) 4 hours.

Social studies in the elementary-school curriculum; ways of developing basic concepts in human relationships and community living; emphasis on effective reading in social studies, provision for individual differences, cultivation of critical thinking, and methods of evaluating results of instruction. Prerequisite: Ed 315. 10 daily. Nye.

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

A survey of children's literature, with emphasis on selection and evaluation of books suitable for public and school libraries. Reading guidance for both personal and curricular needs. Valuable to librarians and elementary-school teachers. 9 MTuWTh. Ostwald.

Lib 491. Storytelling. (G) 3 hours.

Fundamental principles of the art of storytelling, including the planning of a story, locating suitable materials for use, and the techniques for learning and presenting the story; study and selection of literature appropriate for oral presentation to children of all ages. Valuable to librarians and elementary school teachers. 8 MTuWTh. Ostwald.

Ed 507. Seminar: The Nongraded Elementary School. 3-4 hours.

First four weeks, June 17-July 12. Study of the philosophy, objectives and practices of the nongraded elementary school; definition of grouping, promotion, progress reporting to parents, testing, cumulative record, and teacher cycling procedures consistent with the nongraded approach. 10-12 daily. Sandin.

Ed 507. Seminar: Individualized Approaches to Reading Instruction. 4 hours.

Second four weeks, July 15-August 9. Analysis of research and current prac-

tices in individualizing reading instruction; methods of organization; diagnosis and evaluation of progress; record keeping; grouping for specific purposes; selection of books for children in the elementary school. 8-10 daily. Candland.

Ed 508. Workshop: Elementary-School Education. 3 hours.

Two weeks, June 17-28. A workshop for teachers and principals interested in working on classroom or school-district problems and projects, using the library resources and consultant assistance of the elementary-education specialists at the University. School districts are encouraged to send teams. Interested participants should submit a letter of application to Adolph A. Sandin, School of Education, University of Oregon, before June 1, including with the application a brief identification of a proposed problem or project. 9-4 daily. Utsey, Carlson, Nye, Sandin, Schminke.

Ed 508. Workshop: Team Teaching in the Elementary School. 3-6 hours.

June 17-August 2. Aimed at the development and implementation of the concept of team teaching and the related and technical arrangements toward achieving an operable team model. Workshop will be held in Salem. Enrollment by invitation only. Application should be made through the superintendent of schools in the teacher's district. Suttle.

Ed 534. Science in the Elementary School. 3 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; room and equipment. 2 MTuWTh. 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. 8 MTuWTh. Scobey.

Ed 536. Language Arts in the Elementary School. 4 hours.

The role of language arts in the elementary-school program; objectives; research findings on language development; the teaching of spelling, writing, and speaking-listening skills; newer instructional materials; testing and evaluation. 12 daily. Carlson.

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. 11 MTuWTh. Scobey.

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

Number abilities needed by children; research findings in mathematics education; designing number experiences; theories of teaching, desirable teaching procedures, selection and use of materials. 1 MTuWTh. Schminke.

Ed 553. Elementary-School Curriculum. 3 hours.

A systematic study of the elementary-school curriculum, including pupil needs in everyday life situations, objectives, essentials of a good program, varying curriculum designs, organization of learning experiences, evaluation of learning, and appraisal of newer curriculum practices. 9 MTuWTh. Scobey.

Ed 554. Elementary-School Supervision and Administration. 3-4 hours.

Second four weeks, July 15-August 9. For mature students of elementary education who are preparing for administrative or supervisory positions. Characteristics of good elementary schools, leadership responsibilities and processes, school organization patterns, pupil personnel policies, school-community relationships. 10-12 daily. Sandin.

Secondary Education

Ed 314. Principles of Secondary Teaching. 3 hours.

Study of the actual classroom teaching process, including classroom or-

ganization and management, planning teaching units, evaluating pupil learning, and similar problems. Prerequisite: Ed 310, Ed 312. 12 MTuWTh. Kambly.

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

Principles and purposes of school activities; pupil participation in school governments; assemblies, clubs, social activities, athletics, speech activities, drama, music, publications; evaluation of the school activity program. 8 MTuWTh. D. Wood.

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. 2 MTuWTh. D. Wood.

Lib 488. Books and Related Materials for Young People. (G) 3 hours.

A survey of books and nonbook materials suitable for students of junior and senior high-school age; emphasis on selection and evaluation of books, adolescent reading interests, and reading guidance for curricular and personal needs. Valuable to librarians and secondary-school teachers. 1-3 TuTh. Ostwald.

Ed 507. Seminar: The Community College. 3 hours.

First four weeks, June 17-July 12. The role of the two-year college in American culture; general and vocational education; student personnel work; legal and financial problems. 1-3 MTuWTh. Scott.

Ed 507. Seminar: The Student Council. 3 hours.

Aims and objectives of the student council; organization, leadership training, problems, projects; evaluation of student council programs. 9 MTuWTh. D. Wood.

Ed 508. Workshop: Team Teaching in the Secondary School. 3-6 hours.

June 17-August 2. Aimed at the development and implementation of the concept of team teaching and the related and technical arrangements toward achieving an operable team model. Workshop will be held in Salem. Enrollment by invitation only. Application should be made through the superintendent of schools in the teacher's district. Suttle.

Geog 508. Workshop: Teaching Geography in the Junior High School. 3 hours.

First four weeks, June 17-July 12. A workshop for present and prospective teachers of geography and social studies in the junior high schools of Oregon. Types and kinds of geographical knowledge that should be taught at the junior high-school level and methods by which this material can be presented most effectively. Students will work collectively on preparation of materials to be used in their own teaching situations. 8-10 daily. Jolly.

Ed 508. Workshop: Secondary-School Administration. 1-2 hours.

July 15-July 19. Problems of the secondary-school administrator, with particular reference to staff utilization; recent studies in the field of team teaching, class size, and flexible scheduling. 9-12, 1-4 daily. Hearn, Conway.

Ed 508. Workshop: The Student Council. 2-5 hours.

August 11-30. Aims and objectives of the student council organization, group processes, council problems and projects; evaluation of the council's program. The first week of the program organized in conjunction with high-school leaders' workshop; second and third weeks devoted to individual work. 9-12, 1-4 daily. Hearn, D. Wood.

Ed 522. Secondary-School Curriculum. 3-4 hours.

First four weeks, June 17-July 12. Overview of the secondary-school curriculum, with emphasis on the various subject fields; organization of the school for curriculum development; educational objectives; the course of study; evaluation of the secondary-school curriculum. 10-12 daily. Hearn.

Ed 527. Secondary-School Administration and Supervision. 3-4 hours.

Second four weeks, July 15-August 9. 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. 10-12 daily. Hearn.

Ed 593. Methods in Secondary-School English. 3 hours.

Second four weeks, July 15-August 9. Limited to students with a teaching field in English. The class will be conducted primarily as a seminar. Students will select problems from the many basic issues confronting English teachers (linguistics and its place in the classroom, the teaching of literature and composition, the problem of usage, etc.) and seek answers in the most recent research. 1-3 MTuWTh. Kraus.

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

Second four weeks, July 15-August 9. Development of proficiency in the use of the problem-solving approach to the teaching of topics in arithmetic, algebra, geometry, and advanced high-school mathematics. Consideration of the strengths, inadequacies, and needed revisions of the present-day mathematics curriculum. Prerequisites: teaching experience or consent of instructor. 1-3 daily. Schaaf.

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

Selection of materials for secondary-school science teaching, demonstrations, science test construction, instructional devices; use and care of microscopes, meters, and other equipment. Prerequisite: teaching experience or consent of instructor. 1 daily. TenBrinke.

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

First four weeks, June 17-July 12. Trends in the social-studies curriculum; the unit method of teaching; the core curriculum; social-studies materials and teaching techniques; teaching reflective thinking; teaching current affairs. Students may work on problems of individual interest, and prepare materials for use in junior and senior high-school classes. Prerequisite: teaching experience or consent of instructor. 1-3 MTuWTh. Jaegers.

Remedial Education

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

In order to be assured of a place in the remedial practica (Ed 409, Ed 509), students must contact W. R. Hill, director, Remedial Education Clinic, School of Education, University of Oregon, before June 1.

Ed 409. Practicum: Remedial Clinic (Diagnosis). (G) 3 hours.

Supervised clinical experience in the diagnosis of learning difficulties of school pupils. Prerequisite: Ed 429 or consent of instructor; concurrent registration in Ed 465 required. Chronister.

Ed 409. Practicum: Remedial Clinic (Remediation). (G) 3 hours.

Supervised clinical experience in the remediation of learning difficulties of school pupils. Prerequisite: Ed 429, Ed 465, or consent of instructor; concurrent registration in Ed 468 required. Chronister.

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

Nature of the reading process; factors of learning and development related to reading achievement; psychological foundations of methods and materials of reading instruction. 10 MTuWTh. Smith.

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

Introduction to extreme school learning problems; factors associated with

underachievement; general principles of diagnosis and remediation; diagnostic instruments and remedial resources. Applicable to programs at the elementary and secondary level. 11 MTuWTh. Hill.

Ed 465. Diagnostic Techniques in the Basic Skills. (G) 3 hours.

Analysis of difficulty in the skills of reading, spelling, arithmetic, and handwriting; selection, administration, and interpretation of group and individual diagnostic achievement tests; diagnostic procedures; development of the diagnostic report. Concurrent enrollment in Practicum: Remedial Clinic (Diagnosis) (Ed 409) required. Prerequisite: Ed 429. 9 MTuWTh. Chronister.

Ed 468. Remedial Techniques in the Basic Skills. (G) 3 hours.

Organization and implementation of the remedial program; specific procedures in the remediation of difficulty in the skills of reading, spelling, arithmetic, and handwriting; location and creation of remedial instrumental materials. Concurrent enrollment in Practicum: Remedial Clinic (Remediation) (Ed 409) required. Prerequisite: Ed 429. 8 MTuWTh. Chronister.

Ed 469. Reading in High School and College. (G) 3 hours.

Basic principles of reading instruction; nature and scope of the total reading program; methods, materials, and organization of the developmental and corrective reading programs in high school and college. 1 MTuWTh. Smith.

Ed 509. Practicum: Remedial Clinic. 3 hours.

Intensive clinical work involving the complete range of problems in remedial education. Prerequisite: satisfactory work at the Ed 409 level and consent of instructor. 8 M. Hill.

Ed 562. Issues in Extreme Learning Difficulties. 3 hours.

Theory and research related to learning problems in the basic skills; analysis of differential learning capacity; reading-listening relationships; sensory-motor modes of remediation; social-emotional correlates of skills disability; therapeutic elements of remediation. 2 MTuWTh. Hill.

Education of Exceptional Children

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

Students interested in enrolling in the program leading to certification for teaching mentally retarded children must, in order to be assured enrollment in the program, make arrangements with J. R. Lent, director, Program for Teaching the Mentally Retarded, School of Education, University of Oregon, before May 15, 1963.

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

Intended for students who have taken *The Maladjusted Child* (Ed 463) and wish additional work. Prerequisite: Ed 463. 2-3:30 MW. Dreikurs, Lowe.

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

Observation and teaching of a class for the mentally retarded at the elementary and junior and senior high-school levels. Enrollees will be placed in the appropriate practicum at the time of registration. Normally taken concurrently with Curriculum for the Mentally Retarded (Ed 489), Practicum: Art Experiences for the Mentally Retarded (ArE 409), and the Mentally Retarded Child (Ed 464). Prerequisite: consent of instructor. 8-12 daily. Lent, staff.

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

A course for teachers of children diagnosed as mentally retarded. Problem-solving activities using art materials; growth and development of the retarded child. Normally taken concurrently with Practicum: Teaching the Mentally

Retarded (Ed 409), Curriculum for the Mentally Retarded (Ed 489), and the Mentally Retarded Child (Ed 464). Prerequisite: consent of instructor. 8-12 daily. Lent, staff.

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

The psychology, education, and guidance of the mentally superior and the extraordinarily gifted child. 10 MTuWTh. Lovell.

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

Characteristics and problems of all types of exceptional children, with special emphasis on those with sensory handicaps; consideration of essential educational adaptations. 2 MTuWTh. Mattson.

Ed 463. The Maladjusted Child. (G) 3 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. Opportunities for the observation of family counseling techniques. 2-3:30 MW. Dreikurs.

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

The psychology, education, and guidance of the mentally retarded child. 1 MTuWTh. Lent.

Ed 489. Curriculum for the Mentally Retarded. (G) 3 hours.

Curriculum, methods, and materials for special classes, developed on the basis of the diagnosed characteristics of mentally retarded children. Normally taken concurrently with Practicum: Teaching the Mentally Retarded (Ed 409), Practicum: Art Experiences for the Mentally Retarded (ArE 409), and The Mentally Retarded Child (Ed 464). Prerequisite: consent of instructor. 8-12 MTuWTh. Lent.

Ed 507. Seminar: Teaching the Emotionally and Socially Maladjusted. 3 hours.

Systematic review of literature related to social-emotional development and educational management of aberrant development. 9 MTuWTh. Mattson.

Ed 507. Seminar: Adlerian Theory. 3 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: Ed 463 and advanced standing in the behavioral sciences. 1 MWTh. Dreikurs.

Ed 508. Workshop: Problems of Administration Related to Education of Exceptional Children. 1-3 hours.

July 15-19. Delineation of administrative problems in educating exceptional children as viewed by administrators and by educators of exceptional children. Problems will be considered by small mixed groups of administrators and educators of exceptional children. Coordinated with Oregon School Administrators' Conference. 8-12, 1-3 daily. Mattson, staff.

Ed 508. Workshop: Curriculum for the Gifted Child. 3 hours.

July 15-16. Administration of special educational programs for the talented, the educationally alert, and the gifted; administrative problems of obtaining community support, and of the establishment, maintenance, and expansion of such programs. Selection of teacher personnel and pupils. Prerequisite: courses or practical experience emphasizing the educationally able child. 9-12, 1-3 daily. Lessinger.

Educational Psychology

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

Ed 409. Practicum: Clinical Procedures in Education. (G) 3 hours.

Assessment of children with learning difficulties; preparation of statements of preferred behavior for any given child; collection and analysis of information; communication of information to teachers and parents; evaluation of clinic process. Prerequisite: consent of instructor. 1-3 WTh. Berryhill, Cross, Mattson, staff.

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. The course includes simple statistics of test interpretation. 8 MTuWTh.

Ed 507. Seminar: Individual Intelligence Testing. 4 hours.

Supervised practice in the administration, scoring, and interpretation of the Wechsler Intelligence Scale for Children and the Wechsler Adult Intelligence Scale. Enrollment limited to students in whose program individual testing is a requirement. Prerequisite: Ed 424 or Psy 421. 7-9:30 p.m. TuTh. Waechter.

Ed 509. Practicum: Clinical Procedures in Education. 3 hours.

Same as Ed 409 except the student is expected to function with less supervision. Prerequisite: a practicum in clinical procedures at the 409 level and consent of instructor. 1-3 WTh. Berryhill, Cross, Mattson.

Ed 512. Research Procedures in Education. 3 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. An introductory course in statistics is desirable preparation. 11 MTuWTh. Rummel.

Ed 515. Educational Statistics. 3 hours.

Technique in quantitative and experimental methods. Calculus not required. 9 MTuWTh. Clarke.

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

Theoretical bases and principles of educational measurement; item writing, tryout, selection and revision, reproduction and administration; nature of measurement; units and norms; reliability and validity; batteries and profiles; local and wide-scale testing programs. Designed primarily for advanced students in educational psychology and human development. Prerequisite: Ed 424, Ed 515, or equivalent. 9 MTuWTh. Lovell.

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

Intensive study of the purposes, uses, administration, scoring, and interpretation of group tests commonly used in public schools and colleges; testing of achievement, aptitudes, interests, and personality. Designed primarily for advanced students in educational psychology, human development, psychometrics, and counseling. Open only to students when required in their programs. Prerequisite: Ed 424. 3-5 TuTh. Wegner.

Ed 529. Advanced Educational Psychology. 2 hours.

Review of some modern viewpoints in educational psychology, with particular attention to theories of learning and their application to problems of school learning. Prerequisite: consent of instructor. 1 MW. Lovell.

Counseling

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

- Ed 409. Practicum: Procedures in Family Counseling.** (G) 2 hours.
Open only to students preparing to be specialists in the field. Various functioning areas of Adlerian family counseling; study of and participation in the work of the playroom supervisor, recorder, intake interviewer, socio-dramatist and receptionist; emphasis on the organization and administration of family counseling programs. Prerequisite: Ed 463, Ed 507 (Adlerian Theory), consent of instructor. 1-4:30 Tu. Lowe.
- Ed 409. Practicum: Employment Counseling.** 6 hours.
Open only to employment service counselors. Intensive experiences in counseling, including supervised counseling experiences, case writing, staffing of cases, and observation. 9-12, 1-3 daily. Battle, staff.
- Ed 409. Practicum: Family Counseling.** (G) 3 hours.
Open only to students planning to be specialists in the field. Application to Adlerian principles of family counseling and the role of family counseling in education. Maximum opportunity to observe and discuss the counseling procedure; minimal opportunities for actual counseling experience. Prerequisite: Practicum: Procedures in Family Counseling (Ed 409), consent of instructor. 2-4:30 Tu. Dreikurs.
- Ed 409. Practicum: Rehabilitation Counseling.** (G) 4-12 hours.
Instruction and supervised practice in counseling the disabled either in the University Counseling Center or in a community agency engaged in offering service to the disabled. Case writing, testing, observation, counseling, and staffing. Prerequisite: consent of instructor. 2-3 Th. Acker, Wegner.
- Ed 409. Practicum: Secondary-School Counseling.** (G) 3 hours.
Open only to students in programs leading to specialization in secondary-school counseling. Observation, staffing of cases, counseling, case writing, testing. Counseling sessions conducted in the University Counseling Center. Prerequisite: consent of instructor. 2-4 M. Loughary.
- 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. 10 MTuWTh. Lowe.
- Ed 488. Educational and Vocational Guidance.** (G) 3 hours.
Designed primarily for advanced students preparing for positions as counselors. Current materials and trends in educational and vocational opportunities. Prerequisite: Ed 424, Ed 485. 9 MW. Acker.
- Ed 507. Seminar: Work Evaluations.** Hours to be arranged.
Designed to assist students in the development of an approach to the understanding of work performance and work activities which will enhance their abilities to evaluate the work capacities of disabled persons. 11-1 MW. Acker.
- Ed 507. Seminar: Elementary-School Guidance.** 3 hours.
Study of elementary-school guidance concepts and practices, with emphasis on developmental as contrasted with remedial guidance. Topics include general semantics, attitude development, early career development, parent conferences, material development. 11 MTuWTh. Loughary.
- Ed 509. Practicum: Family Counseling.** 3 hours.
Open only to students preparing to be specialists in the field. Same as Ed 409, except that the student must have had extensive experience in the actual counseling process. Prerequisite: Practicum: Family Counseling (Ed 409), consent of instructor. 2-4:30 Tu; 2-3 Th. Dreikurs.
- Ed 509. Practicum: Secondary-School Counseling.** 3 hours.
Same as Ed 409 except that the student is expected to work with less immediate supervision. Prerequisite: consent of instructor. 2-4 M. Loughary.
- Ed 509. Practicum: Rehabilitation Counseling.** 4-12 hours.
Same as Ed 409 except that the student is expected to function with a mini-

num of supervision. Prerequisite: Ed 409, consent of instructor. Acker, Wegner.

Ed 526. High-School Counseling. 3 hours.

The purposes, techniques, and processes of counseling; dynamics of adjustment and personality change; methods of promoting emotional, educational, and occupational adjustment. Prerequisite: Ed 485. 10 MTuWTh. Loughary.

Educational Administration

Ec 407. Seminar: Principles and Problems of Government Finance. (g) 3 hours.

Basic issues involved in financing government; theory and its application to contemporary problems of Federal, state, and local units. 9 MTuWTh. Tattersall.

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

For advanced graduate students; draws from the literature in the related fields of business administration, economics, social psychology, sociology, and political science; emphasis on fundamental research underlying human behavior as a basis for the theory and practice of administrative behavior. 10-12 MTuWTh. Jacobson, 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. 8-10 daily. Tope, Campbell, Johnson, Goldstein, Smith, Fosmire.

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

Theory and practice of school personnel administration; development of principles and procedures in recruitment, selection, terms of employment, assignments, orientation, in-service education, appraisal, promotion, salary, programs, tenure, leaves, separation, public relations, and professional ethics. 8 MTuWTh. Dils.

Ed 507. Seminar: School Survey. 3 hours.

Field experience in the application of survey and administrative research procedures in actual school situations. Hines.

Ed 508. Workshop: Problems of School Administration. 4 hours.

June 10-21. A workshop for administrators. Simulated materials depicting an actual school situation used as the basis for group discussions and evaluations of developmental procedures, the techniques of decision making, administrative problems and relationships, and the role of the individual school as a part of a school system in a specific community. Enrollment limited to 25 participants. Prerequisite: basic courses in administration for the administrator's credential, or consent of instructor. 8-11:30 MTuWTh. Goldhammer, staff.

Ed 508. Workshop: Problems of Administration Related to Education of Exceptional Children. 1-3 hours.

July 15-19. Delineation of administrative problems in educating the exceptional, as viewed by administrators and by educators of exceptional children. Problems delineated will be considered by small mixed groups of administrators and educators of exceptional children. 8-12, 1-4 daily. Mattson, staff.

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

Interpersonal relations in administration; school-board powers, duties, roles, relationships; the administrative roles, responsibilities, issues, problems; problems of staff personnel; student personnel problems at the local district level; problems and issues relating to the development of effective school-community relationships. 1 daily. Romney.

Ed 573. Public School Organization. 3 hours.

First four weeks, June 17-July 12. The schools in relation to state and Fed-

eral agencies; the intermediate unit, its purposes, organization, trends; local school-districts problems of organization, plant planning and management, school business administration, transportation, school finance, textbooks and supplies; extralegal agencies affecting education. 2-4 MTuWTh. Pond.

Ed 574. School Supervision. 3 hours.

First four weeks, June 17-July 12. The role of the supervisor in keeping education geared to the changing demands of society; theories of leadership; group processes and individual conference techniques; action research and related approaches to curriculum change; analysis of concrete supervisory problems. 8-10 MTuWTh. Millhollen

Ed 575. School Finance. 3 hours.

Problems of school finance and business management; sources of school income; relationship to the state financial structure; budgeting and accounting. Includes the construction of a school budget. Prerequisite: work in administration and organization, or consent of instructor. 2 daily. Romney.

Ed 576. School Buildings. 3-4 hours.

Problems involved in planning, financing, and construction of school buildings; care and maintenance of building; problems of equipment. Includes analysis of the problems of a specific district. Prerequisite: work in administration and organization, or consent of instructor. 8 daily. Hines.

English

Professors: BLACK, BRODEUR, KITZHABER, McCLOSKEY, MOLL, SVENDSEN.

Associate Professors: BARTEL, KARCHMER.

Assistant Professors: HYNES, O'NEIL, OSWALD, STRANGE.

Instructors: AHO, GARDINER, McKNIGHT, STALLMAN.

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

Fundamentals of English composition. 10 TuWThF. Oswald.

Wr 216. Expository Writing. 3 hours.

Practice in various forms of expository writing. Summer students may take Wr 216 in place of either Wr 112 or Wr 113 to satisfy the composition requirement. 9 TuWThF. Karchmer.

Wr 451. Projects in Writing. 3 hours.

For students who desire advanced instruction and practice in writing short stories, novels, television dramas, nonfiction, etc. 11 TuWThF. Karchmer.

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

8 TuWThF. Moll.

Eng 320. English Novel. 3 hours.

11 TuWThF. Black.

Eng 439. Contemporary Fiction. (G) 1-2 hours.

Eng 440. Seventeenth-Century Literature. (G) 3 hours.

9 TuWThF. Black.

Eng 445. Milton's Major Poems. (G) 3 hours.

8 TuWThF. Svendsen.

Eng 460. Romantic Poets. (G) 3 hours.

10 TuWThF. Moll.

Eng 463. Later Nineteenth-Century Poets. (G) 3 hours.

11 TuWThF. Moll.

Eng 507. Seminar: Written Discourse. 2 hours.

Restricted to participants in Institute of Oregon Curriculum Study Center. To be taken in conjunction with Seminar: Oral Discourse (SP 507). 9 MTuWThF. Kitzhaber.

Eng 507. Seminar: Written Discourse. 2 hours.

To be taken in conjunction with Seminar: Oral Discourse (SP 507). 11 MTuWThF. Oswald.

Eng 507. Seminar: Applied Criticism. 4 hours.

Restricted to participants in Institute of Oregon Curriculum Study Center. 11 MTuWThF. Bartel.

Eng 507. Seminar: Applied Criticism. 4 hours.

8 MTuWThF. Bartel.

Eng 507. Seminar: Structure and History of English. 4 hours.

Restricted to participants in Institute of Oregon Curriculum Study Center. 8 MTuWThF. O'Neil.

Eng 507. Seminar: Structure and History of English. 4 hours.

9 MTuWThF. O'Neil.

Eng 518. Chaucer's Troilus and Criseyde. 3 hours.

Detailed study of the poem, its sources, and its influence. 11 TuWThF. Brodeur.

Foreign Languages

Professor: BEALL.

Associate Professor: PALLEY.

Assistant Professors: GONTRUM, HATZANTONIS, KRATZ, MARSHALL, TOLSON.

Instructors: ROSEN, SOLINÍS.

German

GL 50. First-Year German (First Term). 4 hours.

First four weeks, June 17-July 12. The fundamentals of grammar, oral drill, translation of prose selections. Equivalent of the first term of First-Year German given during the regular academic year. Recommended for students who wish to acquire a reading knowledge. 8-10 daily. Gontrum.

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

Second four weeks, July 15-August 9. Continuation of GL 50. Equivalent of the second term of First-Year German given during the regular academic year. 8-10 daily. Gontrum.

GL 101. Second-Year German. 4 hours.

First four weeks, June 17-July 12. Review of grammar and composition; reading of selections from representative authors; conversation. 10-12 daily. Kratz.

GL 102. Second-Year German. 4 hours.

Second four weeks, July 15-August 9. Continuation of GL 101. Equivalent of the second term of Second-Year German given during the regular academic year. 10-12 daily. Kratz.

GL 320. Scientific German. 4 hours.

Intensive practice in the reading of scientific texts of increasing difficulty. Prerequisite: satisfactory completion of First-Year German or consent of instructor. 8 MTuWTh. Kratz.

- GL 405. **Reading and Conference.** 3 hours.
Readings and reports in selected periods of German literature, individually arranged with instructor. For German majors. Gontrum.
- GL 503. **Thesis.** Hours to be arranged.
Gontrum, Leppmann.
- GL 505. **Reading and Conference.** 3 hours.
Readings and reports in selected periods of German literature, individually arranged with instructor. For graduate students. Gontrum.

French

- RL 50. **First-Year French (First Term).** 4 hours.
First four weeks, June 17-July 12. An introduction to the language, stressing reading, comprehension of the spoken tongue, and the basic principles of French grammar. Equivalent of the first term of First-Year French given during the regular academic year. 8-10 daily. Marshall.
- RL 51. **First-Year French (Second Term).** 4 hours.
Second four weeks, July 15-August 9. Continuation of RL 50. Equivalent of the second term of First-Year French given during the regular academic year. 8-10 daily. Marshall
- RL 101. **Second-Year French (First Term).** 4 hours.
First four weeks, June 17-July 12. Study of selections from representative authors; review of grammar; considerable attention to oral use of the language. 8-10 daily. Solinis.
- RL 102. **Second-Year French (Second Term).** 4 hours.
Second four weeks, July 15-August 9. Continuation of RL 101. Equivalent of the second term of Second-Year French given during the regular academic year. 8-10 daily. Solinis.
- RL 405. **Reading and Conference.** 3 hours.
Advanced grammar and composition; phonetics; intended for teachers and prospective teachers; particular attention to the use of idioms and to stylistics. 8 MTuWTh. Beall.
- RL 405. **Reading and Conference.** 3 hours.
Advanced readings in French literature. Students interested should consult the instructor. 10 MTuWTh. Beall.
- RL 503. **Thesis.** Hours to be arranged.
Beall.
- RL 505. **Reading and Conference.** 3 hours.
Advanced grammar and composition; phonetics; intended for teachers and prospective teachers; particular attention to the use of idioms and to stylistics. 8 MTuWTh. Beall.
- RL 505. **Reading and Conference.** 3 hours.
Advanced readings in French literature. Students interested should consult the instructor. 10 MTuWTh. Beall.

Italian

- RL 70. **First-Year Italian (First Term).** 4 hours.
First four weeks, June 17-July 12. Grammar, pronunciation, composition, and translation of modern authors. Equivalent of the first term of First-Year Italian given during the regular academic year. 10-12 daily. Hatzantonis.
- RL 71. **First-Year Italian (Second Term).** 4 hours.
Second four weeks, July 15-August 9. Continuation of RL 70. Equivalent of the second term of First-Year Italian given during the regular academic year. 10-12 daily. Hatzantonis.

Russian

SL 50. First-Year Russian (First Term). 4 hours.

First four weeks, June 17-July 12. The elements of the Russian language; elementary reading, composition, and conversation. 8-10 daily. Tolson.

SL 51. First-Year Russian (Second Term). 4 hours.

Second four weeks, July 15-August 9. Continuation of SL 50. Equivalent of the second term of First-Year Russian given during the regular academic year. 8-10 daily. Tolson.

Spanish

RL 60. First-Year Spanish (First Term). 4 hours.

First four weeks, June 17-July 12. An introduction to Spanish, stressing speaking and reading; exercises in elementary composition. Equivalent of the first term of First-Year Spanish given during the regular academic year. 10-12 daily. Rosen.

RL 61. First-Year Spanish (Second Term). 4 hours.

Second four weeks, July 15-August 9. Continuation of RL 60. Equivalent of the second term of First-Year Spanish given during the regular academic year. 10-12 daily. Rosen.

RL 107. Second-Year Spanish (First Term). 4 hours.

First four weeks, June 17-July 12. Intensive oral and written exercises designed to help the student acquire an accurate and fluent use of Spanish. Study of selections from representative authors. 10-12 daily. Savage.

RL 108. Second-Year Spanish (Second Term). 4 hours.

Second four weeks, July 15-August 9. Equivalent of the second term of Second-Year Spanish given during the regular academic year. Continuation of RL 107. 10-12 daily. Savage.

RL 405. Reading and Conference. 4 hours.

Readings in basic writings in Hispanic culture, with particular emphasis on the language and exercises in Spanish composition. 9 MTuWTh. Rosen.

RL 505. Reading and Conference. 4 hours.

Readings in basic writings in Hispanic culture, with particular emphasis on the language and exercises in Spanish composition. 9 MTuWTh. Rosen.

Geography

Visiting Faculty: JOLLY.

Professor: DICKEN.

Assistant Professor: PRICE.

Geog 105. Introductory Geography. 3 hours.

First four weeks, June 17-July 12. A general introduction to the field of geography. Physical geography emphasized. 10-12 MTuWTh.

Geog 106. Introductory Geography. 3 hours.

Second four weeks, July 15-August 9. A general introduction to the field of geography. Regional geography emphasized. 10-12 MTuWTh. Price.

Geog 301. Geography of Oregon. 3 hours.

First four weeks, June 17-July 12. A study of the land forms, climate, population, resources, products, and people of the Pacific Northwest, with emphasis on Oregon. 8-10 MTuWTh. Dicken.

- Geog 302. **Geography of Western North America.** 3 hours.
Second four weeks, July 15-August 9. Physical and cultural geography of the western U.S. and Canada. 8-10 MTuWTh. Dicken.
- Geog 463. **Geography of Middle America.** 3 hours.
First four weeks, June 17-July 12. Physical and cultural processes that change the landscapes of Middle America. 1-3 MTuWTh.
- Geog 464. **Geography of South America.** 3 hours.
Second four weeks, July 15-August 9. A study of the physical and cultural processes that change the landscapes of South America, except Brazil. 1-3 MTuWTh.
- Geog 503. **Thesis.** Hours to be arranged.
- Geog 505. **Reading and Conference.** Hours to be arranged.
- Geog 508. **Workshop: Teaching Geography in the Junior High School.** 3 hours.
First four weeks, June 17-July 12. A workshop for present and prospective teachers of geography and social studies in the junior high schools of Oregon. Types and kinds of geographical knowledge that should be taught at the junior high-school level, and methods by which this material can be presented most effectively. Students will work collectively on preparation of materials to be used in their own teaching situations. 8-10 daily. Jolly.

Geology

Professors: STAPLES, YOUNGQUIST.

- Geol 102. **General Geology.** 4 hours.
Earth materials, processes, and forms; formation of economic mineral deposits. Lectures, laboratory, field trips. 11 MTuWTh. Youngquist.
- Geol 352. **Geology of Oregon.** 3 hours.
Lectures, assigned reading, and field trips, to acquaint the student with some of the salient features of the geology of the state. 9 MTuWTh. Youngquist.
- Geol 405. **Reading and Conference.** Hours to be arranged.
- Geol 406. **Field Geology.** 9 hours.
Geological field work in selected parts of Oregon. Prerequisites: Geol 313, Geol 393, and consent of instructor. Staples.
- Geol 456. **Problems in Regional Geology.** (g) 3 hours.
Intended primarily for teachers; introduction to selected basic concepts of geology, and to the common materials which make up the earth's crust. The lectures, supplemented by visual aids, present a general description of North America, including such notable geologic areas as those in the national parks. 10 MTuWTh. 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, chiefly in connection with graduate theses. Emphasis on individual problems. Prerequisite: graduate standing, consent of instructor. Youngquist, Staples.

Health, Physical Education, and Recreation

Visiting Faculty: BURKE, M. SARVER, R. SARVER, ULRICH, WESLEY.

Professors: CLARKE, DOUGHERTY, ESSLINGER, POLEY, RODNEY, SIGERSETH, SPRAGUE, WOODRUFF.

Associate Professors: PUCKETT, RHODA, TUCK.

Assistant Professors: BORCHARDT, BRUMBACH, GILLESPIE, YOUNGEN.

Instructors: BALLOU, MUNROE, MUNSON, SCENDEL, WILEY.

Workshops

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

June 17-July 5. Designed for secondary-school and college teachers. Directed toward the improvement of teaching, with emphasis upon participation and proficiency in performance. Areas for participation and study:

Elementary Gymnastics—Apparatus. 2 hours. For women. Basic vaulting, high and low balance beams, ropes, rings, elementary performance skills on uneven parallel bars. Elementary free exercise. 8-10 daily. M. Sarver.

Team Sports. 1-2 hours. For women. Theory and practice in speed-a-way and basketball; teaching techniques for skills and team tactics. 10-12 daily. Woodruff.

Tennis. 1 hour. For women. Emphasis on skill improvement and methods of teaching. Class organization, teaching aids. 9-10 daily. Puckett.

Contemporary Dance. 1 hour. For men and women. Emphasis on the selection of materials providing both enjoyment and challenge to the secondary-school student. 10-11 daily. Dougherty.

Dance Composition. 1 hour. For men and women. The problem-solving approach in making dances which have meaning for, and can be performed by, beginning dancers. 11-12 daily. Dougherty.

Ballroom Dance. 1 hour. For men and women. Fundamentals of footwork, position and styling; progression in dances and methods of presentation. 12-1 daily. R. Sarver.

Individual and Dual Sports (Archery-Badminton). 1 hour. For women. Basic fundamentals, teaching materials, theory and practice, with emphasis on skill testing. 1-2 daily. Puckett.

Tournament Tennis. 1 hour. For women. Team tactics in singles and doubles for advanced players. Clinic for high-school teachers who have responsibility for tennis teams. 2-3 daily. Youngen.

Track and Field. 1 hour. For women. Theory and practice in running, jumping, and throwing events; skill-conditioning procedures and organizational methods. 3-4 daily. Youngen.

Tumbling and Trampoline. 1 hour. For women. Basic rolling, balancing, springing, teaching progressions, and materials. 4-5 daily. M. Sarver.

Coaching Clinic

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

June 10-14. Special problems of coaching football, basketball, baseball, track and field, wrestling; injury care. Designed especially to meet the needs of high-school coaches.

Football Coaching.....	8:30-11:45 a.m.	MTuW
	1:15- 3:30 p.m.	MTu
Basketball Coaching.....	8:30-11:45 a.m.	ThF
	1:15- 3:30 p.m.	WThF
Track Coaching.....	3:30- 5:30 p.m.	MTuWTh
	7:00- 9:00 p.m.	M

Baseball Coaching.....	3:30- 5:30 p.m. MTuWTh
	7:00- 9:00 p.m. Tu
Gymnastics.....	1:15- 3:30 p.m. WThF
	7:00- 9:00 p.m. WTh
Wrestling.....	8:30-11:45 a.m. ThF
	1:15- 3:30 p.m. WThF
Care and Prevention of Injuries.....	7:00- 9:00 p.m. WTh.

Physical Education (Professional Courses)

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

The dance program for children in the elementary school, grades one through six. Locomotor and nonlocomotor movement; dramatization and creative dance studies; singing games; traditional dance skills and folk dances for children of the intermediate grades. 3 MTuWTh. Munson.

PE 223. Fundamental Body Movement, Posture, and Tumbling. 2 hours.

The mechanics of movement, posture, conditioning exercises, stunts, tumbling, self-testing, apparatus, and evaluation for the elementary-school child. 2 MTuWTh. Munson.

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

Reading and assignments in connection with other courses for extra credit. Honors readings. Prerequisite: consent of instructor.

PE 406. Special Problems. Hours to be arranged.

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

Program development: methods of instruction in elementary-school physical education; purposes and requirements of the elementary physical-education program, with emphasis on program planning, methods, and materials of instruction. 8 TuWThF. Munson.

PE 421. Administration of Elementary-School Physical Education. (g) 3 hours.

Modern trends in elementary-school physical education; duties of the physical-education specialist; organization and administration at the primary, intermediate, and upper-grade levels; evaluative procedures and techniques; the role of elementary physical education in outdoor education. Prerequisite: PE 221, PE 223, PE 420, or consent of instructor. 9 TuWThF. Munson.

PE 446. 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. 1 MTuWTh. Rhoda.

PE 501. Research. Hours to be arranged.

PE 503. Thesis. Hours to be arranged.

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

PE 506. Special Problems. Hours to be arranged.

Study of selected problems in the field of physical education.

PE 507. Seminar: Scientific Bases of Physical Education. 3 hours.

Application of principles derived from anatomy, physiology, psychology, sociology, and human growth and development to the philosophy, organization, and methodology of teaching and research. 9 TuWThF. Ulrich.

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

Integration and application of the philosophic process as a foundation for the development of a meaningful philosophy of modern physical education. 11 TuWThF. Ulrich.

PE 509. Practicum. Hours to be arranged.

Practical experience in handling corrective cases; to be taken in conjunction with PE 521, PE 522, PE 523. Poley.

PE 517. Methods of Research. 3 hours.

Study of the methods and techniques of research in health, physical education, and recreation; practice in application to problems of current interest. 2 MTuWTh. Rhoda.

PE 531. Muscle Testing and Therapeutic Exercise. 3 hours.

Fundamentals of muscle re-education. Methods of determining specific muscle weaknesses; restoration of normal function following injury. 2 MTuWTh. Poley.

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

The use of norms, comparable scores, rating scales, multiple regression, curve fitting, and factor analysis as tools of research and interpretation of physical-growth, physical-status, and physical-performance data. Prerequisite: graduate standing. 1 MTuWTh. Clarke.

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

The use of norms, comparable scores, rating scales, multiple regression, curve fitting, and factor analysis as tools of research and interpretation of physical-growth, physical-status, and physical-performance data. Prerequisite: graduate standing. 3 MTuWThF. Clarke.

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

The different schools of thought and practice which determine the purposes and procedures in the professional field of physical education, analysis of the Oregon and other regional public school physical-education programs. 8 TuWThF. Esslinger.

PE 552. Administration of Athletics. 3 hours.

Historical development of athletics and their control; place of athletics in education; purposes, administrative control, management, operational policies, care of equipment and facilities. 10 TuWThF. Sprague.

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

Historical development of professional preparation in the field of physical education; curriculum, evaluation, and recruitment in the development and conduct of teacher-education programs in physical education. 8 TuWThF. Sprague.

PE 567. Motor Development in Infancy and Childhood. 3 hours.

Acquisition of motor skills during the first decade of life. Prerequisite: PE 446 or Psy 460, or consent of instructor. 10 TuWThF. Poley.

PE 573. Gross Anatomy. 3 hours.

Principles and facts in the fields of myology, osteology, arthrology, neurology, and angiology of importance to college teachers of physical education who give instruction in anatomy, kinesiology, and physiology of exercise; application to body movement and performance. Prerequisite: Bi 391, 392, PE 472, PE 473; or equivalent. 7-9 p.m. TuTh. Sigersest.

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

Analysis of various physical-education activities to determine their relation to laws of physics concerning motion, force, inertia, levers, etc. 12 MTuWThF. Sigersest.

Physical Education (Service Courses)

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

For men and women. 11 TuWThF. Borchardt.

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

For men and women. 2 MTuWTh. Wiley.

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

For men and women. 3 or 4 MTuWTh. Munroe.

- PE 180, 190, PE 380, 390. **Swimming.** 1 hour.
For men and women. 10 or 11 TuWThF. Wiley.
- PE 180, 190, PE 380, 390. **Golf.** 1 hour.
For men and women. 3-5 MW or 3-5 TuTh. Borchardt.

Health Education (Professional Courses)

- HE 250. **Personal Health.** 3 hours.
Study of the personal health problems of university men and women, with emphasis on implications for family life; mental health, communicable diseases, degenerative diseases, nutrition. Satisfies the University requirement in health education for men and women. 11 TuWThF. Gillespie.
- HE 252. **First Aid.** 3 hours.
First aid and safety procedures—for the individual, schools, athletics, and civilian defense. Meets certification standards of the American Red Cross. 9 TuWThF. Schendel.
- HE 405. **Reading and Conference.** Hours to be arranged.
- 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. 1 MTuWTh. Tuck.
- HE 464. **Health Instruction.** (G) 3 hours.
Methods and materials in health instruction for junior and senior high schools; special emphasis on the construction of health teaching units for Oregon secondary schools. Prerequisite: HE 361, 362, 363 or consent of instructor. 8 TuWThF. Gillespie.
- HE 467. **Driver Education.** 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. 2 MTuWTh. Brumbach.
- 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.
Organization and administration of driver education, personal psychological problems of driving, traffic enforcement, engineering, safety teaching materials, methods of instruction in driver education. Prerequisite: secondary-school teaching credential and basic driver-education course. 11 TuWThF. Brumbach.
- 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. 1 MTuWTh. Tuck.
- HE 552. **Administration of School Health Education.** 3 hours.
Organization and administration of the school health program. 9 TuWThF. Tuck.

Recreation Management

- Rec 405. **Reading and Conference.** Hours to be arranged.

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

FOR THE FAMILY

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 children, and recreational swimming for men, women, and families.

The millrace, located on the campus, is a delightful picnic spot. The recreation area of the Erb Memorial Student Union provides bowling, 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 for the golf enthusiast.

Within easy driving distance are a number of state and county parks and picnic areas, as well as lakes and rivers for boating, swimming, and fishing.

Well-known lecturers will be featured during summer workshops, and the Browsing Room lecture series, always popular, will feature visiting lecturers and members of our faculty.

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

The University Theater has an outstanding summer of entertainment planned for you, including main stage and arena theater productions.

The Erb Memorial Student Union will present art exhibits, lectures, lunch and afternoon discussion sessions, and other special programs throughout the summer for your enjoyment.

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, and an Imperial Jade Pagoda, largest of its kind, valued at \$75,000.

The Museum of Natural History houses many fascinating exhibits, featuring fluorescent minerals, masks of Northwest Coast Indians, birds of the Pacific Coast, etc.

ON

THE

CULTURAL

SIDE



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

Other social events, dances, mixers, bridge and chess tournaments, and recreation programs will be presented for your enjoyment at the Erb throughout the summer.

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

STRICTLY

FOR

FUN

- Rec 415. **Recreation Field Work.** Hours to be arranged (9 hours maximum credit).
Rodney.
- Rec 499. **School and Community Recreation Programs.** (G) 3 hours.
Types of recreational activities considered in relation to sex, age, and individual interest, needs, and capacities. 7-9 p.m. MW. Rodney.
- Rec 501. **Research.** Hours to be arranged.
- Rec 503. **Thesis.** Hours to be arranged.
- Rec 505. **Reading and Conference.** Hours to be arranged.
- Rec 506. **Special Problems.** Hours to be arranged.
- Rec 553. **Administration of Recreation.** 3 hours.
Organization and administration of recreation programs in recreational districts, communities, and municipalities; legal aspects, source of funds, types of programs. 12 MTuWTh. Rodney.

History

Visiting Faculty: DELZELL, POSEY, TYLER.

Professors: BREEN, DULL.

Associate Professors: SMITH, SORENSON.

Assistant Professors: PETERSON, PIERSON.

Instructor: BIRN.

- Hst 203. **History of the United States.** 3 hours.
Survey of United States history since 1896. 8 MTuWTh. Posey.
- Hst 407. **Seminar: United States Intellectual and Social History.** 3 hours.
Tyler.
- Hst 407. **Seminar: Twentieth-Century Totalitarianism.** 3 hours.
Concentration on the German experience, with reference to Russian and Italian developments where they appear particularly illuminating. Pierson.
- Hst 407. **Seminar: The French Revolution.** 3 hours.
Birn.
- Hst 413. **History of Rome.** (G) 3 hours.
Emphasis on the Roman Empire: its two centuries of world peace; decline; Christianization; legal genius. 9 MTuWTh. Breen.
- Hst 418. **Studies in Western Civilization.** (g) 3 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. 10 MTuWTh. Sorenson.
- 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. 11 MTuWTh. Breen.
- Hst 445. **Europe since 1939.** (G) 3 hours.
Background and course of World War II; postwar developments in the European states. 11 MTuWTh. Delzell.
- Hst 449. **History of Russia.** (G) 3 hours.
Russia under the tsars; the Russian Revolution; Lenin, Stalin, and the Communist state. 1 MTuWTh. Delzell.

- Hst 465. **British Empire.** (g) 3 hours.
History of British colonial policy, with emphasis on Africa in the twentieth century. 8 MTuWTh. Smith.
- Hst 469. **Twentieth-Century England.** (G) 3 hours.
The changing fortunes of Britain as a world and empire power; socialism, the welfare state, and postwar economic problems. 10 MTuWTh. Smith.
- Hst 474. **American Foreign Relations.** (G) 3 hours.
United States foreign policy from the middle of the nineteenth century to World War I. 10 MTuWTh. Posey.
- Hst 478. **History of the Pacific Northwest.** (G) 3 hours.
The building of civilization in the Pacific Northwest. 9 MTuWTh. Tyler.
- Hst 480. **The United States in the Twentieth Century.** (G) 3 hours.
The United States before 1919. First term of a year sequence. 11 MTuWTh. Tyler.
- Hst 489. **American Economic History.** (G) 3 hours.
The economic development of the United States, 1890 to the present. 8 MTuWTh. Peterson.
- Hst 490. **Problems of the Pacific: Resurgence of Japan.** (g) 3 hours.
An historical examination of the development of new political, economic, and social institutions in postwar Japan. 9 MTuWTh. Dull.
- Hst 499. **History of Japan.** (G) 3 hours.
From 1889 to 1945. 11 MTuWTh. Dull.
- 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: Chinese Communism.** 2-3 hours.
Dull.
- Hst 507. **Seminar: The French Revolution.** 3 hours.
Birn.
- Hst 507. **Seminar: Twentieth-Century Totalitarianism.** 3 hours.
Concentration on the German experience, with reference to Russian and Italian developments where they appear particularly illuminating. Pierson.
- Hst 507. **Seminar: European Diplomacy.** 3 hours.
Delzell.
- Hst 507. **Seminar: United States Intellectual and Social History.** 3 hours.
Tyler.
- Hst 520. **Historical Method.** 3 hours.
Introduction to problems and methods of research and writing in history. Posey.
- Hst 530. **European History: Problems and Interpretations.** 3 hours.
Readings, reports and group discussions of major trends, problems, and interpretations in European history in the period of the Renaissance and Reformation. Breen.

Journalism

Visiting Faculty: PAYNE.

Professors: HULTENG, PRICE.

Associate Professors: RARICK, WALES, WEBB.

Assistant Professors: FREEMESSER, NELSON.

Instructor: JOHNSTONE.

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. 10 daily. Wales.

J 361. Reporting. 4 hours.

Basic training in news gathering and reporting for newspapers and other media; laboratory experience. 9 daily. Payne.

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

J 407. Seminar: High-School Journalism. 8 hours.

First four weeks, June 17-July 12. A special four-week seminar for high-school teachers of journalism or publications advisers who have been awarded Newspaper Fund fellowships enabling them to attend the seminar. Reporting, editorial writing, history of journalism, copy editing, advertising, photography, production methods; daily workshops. 8-12, 1-4 daily.

J 459. Publicity and Public Relations. 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. 8 daily. Wales.

J 501. Research. 1-3 hours.

J 503. Thesis. 1-3 hours.

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

Librarianship

Associate Professors: FINDLY, ROECKER.

Assistant Professors: OSTWALD, PIERRON.

Lib 481. Bibliography and Reference. (G) 3 hours.

Introduction to reference services; evaluation and use of reference materials; correct bibliographical forms; practical problems in the use of reference books in school and other small libraries. 3-5 TuTh.

Lib 484. School Library Administration. (G) 3 hours.

Introduction to school librarianship and to the objectives of the school library in the instructional program, problems relating to budget and finance, housing and equipment, personnel, etc. Emphasis on national and state standards for the instructional materials center. 1-3 MW.

Lib 486. Introduction to Cataloging and Classification. (G) 3 hours.

Instruction and practice in simplified procedures for the classification and cataloging of books, films, filmstrips, phonorecords, and maps. Procedure for ordering and using Library of Congress and Wilson cards. 10-12 TuTh.

Lib 487. Cataloging and Classification. (G) 3 hours.

More difficult problems in the cataloging and classification of books and other library materials; brief survey of theories and experiments in cataloging and classification and of their implications for the future. Prerequisite: Lib 486 or consent of the instructor. 10-12 MW. Pierron.

Lib 488. Books and Related Materials for Young People. (G) 3 hours.

Survey of children's literature, with emphasis on selection and evaluation of books suitable for public and school libraries; reading guidance in relation to both personal and curricular needs. 9 MTuWTh. Ostwald.

Lib 489. Principles of Book Selection. (G) 3 hours.

Analysis of criteria for book selection in the light of library objectives; read-

ing habits and interests of adults; use of selection aids and reviewing media; censorship. Practice in oral book reviewing and written annotations. 3-5 MW, Pierron.

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

Survey of books and nonbook materials suitable for students of junior and senior high-school age; emphasis on selection and evaluation of books, adolescent reading interests, and reading guidance for curricular and personal needs. 1-3 TuTh. Ostwald.

Lib 491. **Storytelling.** (G) 3 hours.

Fundamental principles of the art of storytelling, including the planning of a story hour, location of suitable materials for use, and the techniques for learning and presenting the story; study and selection of literature appropriate for oral presentation to children of all ages. Valuable to librarians and elementary school teachers. 8 MTuWTh. Ostwald.

Lib 494. **Literature of the Sciences.** (G) 3 hours.

Survey and evaluation of library materials in the fields of science and technology; problems of scientific documentation; literature searching methods; compilation, classification, and reporting of information. 9 MTuWTh. Roecker.

Lib 496. **The Library in the Modern Community.** (G) 3 hours.

The development of American libraries; their present-day functions as educational and cultural institutions; legal structure; interlibrary cooperation; relations with the mass media; librarianship as a profession. 1-3 TuTh. Pierron.

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

Lib 512. **Government Publications.** 3 hours.

The acquisition, organization, and use of government publications of the United States, selected foreign countries, and international organizations, with special attention to United States government documents. 10-12 TuTh. Findly.

Mathematics

Visiting Faculty: JENNINGS, MOYLS.

Professors: GHENT, MOURSUND, NIVEN.

Associate Professor: MAIER.

Instructor: SHERMAN.

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

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

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

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

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

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

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

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

The department offers these courses on a rotating basis, so that a student may complete all of them in at most four summers. This summer Mth 457, Mth

458, Mth 488, Mth 499, and Mth 579 are being offered. Mth 111, a special course for elementary-school teachers is offered every summer.

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

Mth 111. Mathematics for Elementary Teachers. 3 hours.

Elements of arithmetic, algebra, and geometry. A required course in the elementary teacher training program. 8 daily. Sherman.

Mth 201, 202, 203. Calculus. 4-12 hours.

Enrollment restricted to students who are sufficiently well prepared to do the work with little class instruction.

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

Mth 407. Seminar. Hours to be arranged.

For selected upper-division students. Topics to be announced. Several 1-4 hour credit seminars will be organized.

Mth 421. Functions of a Complex Variable. (g) 3 hours.

Introductory complex variable theory. Prerequisite: consent of instructor. 9 MTuWF. Moursund.

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

An introductory course in statistics. Integrated with Educational Statistics (Ed 515). Electric calculators are available for student use. Prerequisite: consent of department. 10 MTuWTh.

Mth 457. Foundations of Mathematics. (g) 3 hours.

Foundations of arithmetic and elementary algebra. Intended primarily for junior high-school teachers. 2 MTuWTh.

Mth 458. Foundations of Mathematics. (g) 3 hours.

June 17-21; July 8-August 9. Finite mathematics; elements of logic, the algebra of sets, and other selected topics. 1 daily. Maier.

Mth 488. Geometry. (g) 4 hours.

Critical discussion of Euclid's Book I; modern axiom systems for Euclidean geometry; introduction to coordinates, projective geometry. 9 daily.

Mth 499. Analysis: Sequences in Series. (g) 4 hours.

Sequences and series, representation of functions by series, computation of constants such as e and π and logarithmic and trigonometric tables. Prerequisite: calculus. 8 daily. Moursund, Ghent.

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. Hours to be arranged.

Several 1-4 hour credit seminars will be organized on topics selected to meet the needs of graduate students.

Mth 579. Algebra. 4 hours.

Introduction to modern algebraic systems. Rings, fields, polynomials over rings and fields; special attention to problems of factorization; elements of group theory with special emphasis on examples. 2 MTuWTh. Moyle.

Mathematics Institute

The University has been granted funds by the National Science Foundation to hold a Summer Institute for Teachers of High-School Mathematics, with Professor A. F. Moursund as director. The Institute will be held during the eight

weeks of the summer session. Stipends of \$75 per week, exemption from fees, allowances for dependents, and travel allowances are available for fifty mathematics teachers. Institute courses are open to a limited number of teachers who are not stipend holders. Some of the Institute courses parallel regular summer session courses listed above. Three Institute courses which should prove to be of particular interest are listed below.

Mth 468. Probability and Statistics. (g) 4 hours.

Elementary probability theory and introductory statistics; applications. 10 daily. Moyls.

Mth 598. Numerical Analysis. 4 hours.

Numerical analysis with an introduction to electronic computing. 11 MTuThF. Laboratory hours to be arranged. Jennings.

Mth 460. Combinatorial Mathematics. (g) 1 hour.

June 24-July 5. The number of ways of doing a well-defined operation. A knowledge of permutations and combinations is assumed. 1 daily. Niven.

Music

Visiting Faculty: DAVIES, SAUNDERS.

Professors: CYKLER, NYE, VAGNER.

Associate Professors: ANDERSON, BITTNER, BOUGHTON, KELLER, LEE, RISINGER.

Assistant Professors: CUNNINGHAM, EARLS.

Instructors: MAVES, WILSON.

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, voice, organ, and harpsichord, one lesson a week for eight weeks, \$20.00; two lessons a week, \$33.00. Wind instruments, one lesson a week for eight weeks, \$14.00; two lessons a week, \$28.00. Practice-room fee: one hour daily for eight weeks, \$2.75.

Mus 190. Applied Music. 1-2 hours.

Lower-division instruction in piano, voice, organ, harpsichord, string instruments, orchestral and band instruments. Prerequisite: qualifying examination.

Piano—Bittner.

Voice—Anderson.

Violin—Boughton, Maves.

Woodwind Instruments—Cunningham.

Brass Instruments—Lee.

Mus 290. Applied Music. 1-2 hours.

Lower-division instruction. Continuation of Mus 190, which is prerequisite. For instructors, see Mus 190.

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. Required of majors in elementary education. 1 MTuThF. Wilson.

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

Teaching the various music activities in the elementary schools. Required of majors in elementary education. Prerequisite: MuE 381, 382 or consent of instructor. 4 MTuThF. Wilson.

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

Upper-division instruction. 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. 12 daily. Vagner.

Mus 396. **Orchestra.** 1 hour.

2 MTuTh; 7 p.m. W. Boughton.

Mus 397. **Chorus.** 1 hour.

Preparation of a significant choral work in the large form for public performance at the close of the summer session. Open to all students. 1 MTuWTh. Risinger.

Mus, MuE 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. 9 MWF. Keller.

Mus 407. **Seminar: Review of Music Theory.** (G) No credit.

Designed for graduate students; satisfies requirements in music theory. 8 MWF. Earls.

MuE 407. **Seminar: Class Piano Pedagogy for Public School.** (G) 2 hours.

Methods and literature for piano classes in elementary and secondary schools. 11 MWF. Bittner.

MuE 407. **Seminar: Woodwind-Instrument Techniques.** (G) 2 hours.

Second four weeks, July 15-August 9. Problems in teaching woodwind instruments. Prerequisite: prior experience in the teaching of woodwind instruments, or consent of instructor. 1 daily. Cunningham.

MuE 407. **Seminar: Music Theory in the Secondary School.** (G) 2 hours.

Exploration of procedures that can be effective in the secondary curricula as a separate class or as a part of existing organized music activities. 2 MWF. Keller.

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

Detailed study of orchestral literature, with emphasis on conducting, interpretation, and musical styles. 9 MTuWF. Boughton.

MuE 407. **Seminar: Problems of the Marching Band.** (G) 2 hours.

Second four weeks, July 15-August 9. The techniques of planning rehearsals, performances, and arranging music for outdoor presentation; new trends. 11 daily. Lee.

MuE 407. **Seminar: Interpretation of Wind-Instrument Literature.**

(G) 2 hours.

Survey of wind-instrument literature from the sixteenth through the twentieth century, with emphasis on interpretation. 10 MWF. Vagner.

Mus 407. **Seminar: Music History.** (G) 3 hours.

Renaissance period. 10 MTuThF. Cykler.

Mus 409. **Collegium Musicum.** (G) 1 hour.

Laboratory experience in performance of vocal and instrumental music in all historical periods of music. 7:30 p.m. TuTh. Cykler.

Mus 429. **Introduction to Musicology.** (G) 3 hours.

Study of methods of research in music, and application of research techniques to particular musical problems. Prerequisite: Mus 360, 361, 362, or consent of instructor. 9 MTuThF. Cykler.

Mus 438. **Contemporary Music.** (G) 1-2 hours.

A study of contemporary trends in music. A section of the Summer Academy of Contemporary Arts. 3 MTuWTh.

Mus 490. Applied Music. 1-2 hours.

Upper-division instruction. Continuation of Mus 390. For instructors, see Mus 190.

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

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

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

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

Mus 507. Seminar: History of Music in Education. (G) 3 hours.

An historical study of the place of music in the culture and educational systems of Western civilization, beginning with ancient Greece; includes the development of music education in the United States. 11 MTuWTh. Nye.

MuE 532. Problems in Music Education. 3 hours.

Discussion of problems and issues in music education at all levels. Organization of field studies, research papers, and theses. Prerequisite: consent of instructor. 8 MTuWTh. Nye.

MuE 533. Music in the Elementary School. (G) 3 hours.

Theory, supervision, curriculum, materials, and procedures of vocal music teaching in the elementary school; research in problems involving music and related areas of instruction. 3 MTuThF. Wilson.

Mus 590. Applied Music. (G) 2-4 hours.

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

Workshops in International Music Education**MuE 408. Workshop: Comparative Music.** (G) 3 hours.

7-9 p.m. MTuWTh.

MuE 408. Workshop: Creating Music in the Classroom. (G) 3 hours.

4-6 MTuWTh. Davies.

MuE 408. Workshop: Instrumental Music in Canadian and English Schools.

3 hours.

4-6 MTuWTh. Saunders.

High-School Music Summer Sessions

Two special music summer sessions for high-school students will be held on the campus: June 15-June 28 for band students; June 30-July 12 for orchestra students. Observation of the rehearsals of these high-school groups will be interesting and valuable to high-school music teachers.

Philosophy

Professor: CASTELL.

Associate Professor: EBERSOLE.

Assistant Professor: ZWEIG.

Phl 203. Elementary Logic. 3 hours.

An introduction to the study of reasoning. How to recognize, analyze, criticize and construct types of argument and proof. 9 MTuWTh.

Phl 303. Modern Philosophy. 3 hours.

The third term of History of Philosophy. From Hume and Kant to the present. 10 MTuWTh. Ebersole.

Phl 435. Existentialism. (G) 3 hours.

The basic ideas of the Christian and atheistic divisions of the existentialist movement in philosophy. 11 MTuWTh. Zweig.

Phl 452. Philosophy of Language. (G) 3 hours.

Examination of philosophical theories of language and meaning; ideals and methods of clarification; definition, analysis; philosophy as study of language. Selected readings. 1 MTuWTh. Ebersole.

Physics

GS 104. Physical-Science Survey. 4 hours.

General introduction to the physical sciences; principles of physics and chemistry, geologic processes, and man's relation to them. Special emphasis on scientific method. 10 daily.

Ph 417. Atomic Physics. 3 hours.

Atomic and molecular structure, elements of spectroscopy; radioactivity, nuclear reactions, nuclear structure; selected topics in quantum physics. Designed for students preparing for secondary-school teaching. 9 daily.

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.

Political Science

Professors: GANGE, WENGERT.

Assistant Professors: KLONOSKI, SUMMERS, WEILENMANN.

Instructors: FISZMAN, GOLDSTEIN.

PS 205. International Relations. 3 hours.

Analysis of the relations among nations with reference to contemporary issues. 10 MTuWTh.

PS 405. Reading and Conference. Hours to be arranged.**PS 407. Seminar: Introduction to the Legal Order.** 3-6 hours.

Characteristics of the methods and operations of the legal system, illustrated in the work of lawmakers, lawyers, and judges. 10-12 MTuWTh. Klonoski, Summers.

PS 427. Government and Politics of the Soviet Union. (G) 3 hours.

Governmental institutions and political processes in the Soviet Union. 11 MTuWTh. Fiszman.

PS 429. Government and Politics of China. (G) 3 hours.

Governmental institutions and political processes in China. 9 MTuWTh. Fiszman.

PS 443. Processes of Integration in the North Atlantic Area. (G) 3 hours.

Investigation of trends toward international and supranational organizations in Western Europe and across the North Atlantic (such as NATO, Common Market, Council of Europe); institutional and noninstitutional conditions and prospects. 11 MTuWTh. Weilenmann.

- PS 501. **Research: Development Administration and Politics of the Developing Countries.** Hours to be arranged.
Wengert.
- PS 503. **Thesis.** Hours to be arranged.
- PS 505. **Reading and Conference.** Hours to be arranged.
- PS 507. **Seminar: Introduction to the Legal Order.** 3-6 hours.
Characteristics of the methods and operations of the legal system, illustrated in the work of lawmakers, lawyers, and judges. 10-12 MTuWTh. Klonoski, Summers.
- PS 507. **Seminar: Urban Growth and Development Problems in Asia.** 8 hours.
Analysis of the problems of rapidly accelerating urban growth in Asian countries, with particular attention to the political, social, economic, and cultural consequences of the movement of population from rural areas to urban centers. Research materials will be drawn substantially from official and other documentary sources. Visiting faculty and government officials will participate in the discussion of research problems on this subject. 10-12 daily. Gange and associates.
- PS 507. **Seminar: Nature and Problems of Administrative Behavior.** 3-6 hours.
For advanced graduate students; draws from the literature in the related fields of business administration, economics, social psychology, sociology, and political science; emphasis on fundamental research underlying human behavior as a basis for the theory and practice of administrative behavior. 10-12 MTuWTh. Jacobson, 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. Selective aspects of social organization and process considered in detail. 8-10 daily. Campbell, Goldstein, Johnson, Smith, Tope.

Psychology

Visiting Faculty: RUNKEL.

Associate Professors: FOSMIRE, SUNDBERG.

Assistant Professors: BREGER, BRICKER, STRAUGHAN.

Instructors: MAYNARD, RESCH.

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

First four weeks, June 17-July 12. Introductory study of behavior and conscious processes; survey of experimental studies of motivation, learning, thinking, perceiving, and individual differences. 8-10 MTuWTh. Resch.

Psy 202. **General Psychology.** 3 hours.

Second four weeks, July 15-August 9. Introductory study of behavior and conscious processes; survey of experimental studies of motivation, learning, thinking, perceiving, and individual differences. 8-10 MTuWTh. Resch.

Psy 204. **Psychology of Adjustment.** 3 hours.

The nature and origins of differences in personality; means of making desired changes. 10-11 MTuWTh. Maynard.

Psy 208. **General Psychology Laboratory.** 1 hour

First four weeks, June 17-July 12. Introduction to research methods. Designed to familiarize the student with scientific approaches to problems in psychology. 11-1 MW. Resch.

Psy 209. **General Psychology Laboratory.** 1 hour.

Second four weeks, July 15-August 9. Introduction to research methods. De-

signed to familiarize the student with scientific approaches to problems in psychology. 11-1 MW. Resch.

Psy 210. General Psychology Laboratory. 1 hour.

Introduction to research methods. Designed to familiarize the student with scientific approaches to problems in psychology. 11-1 Tu. Maynard.

Psy 334. Social Psychology. 3 hours.

First four weeks, June 17-July 12. Analysis of psychological processes in relation to social situations; how languages, perception, learning, thinking, motivation, and attitudes determine and result from social interaction and group processes. Prerequisite: Psy 201, 202 or Soc 204, 205. 10-12 MTuWTh. Runkel.

Psy 335. Social Psychology. 3 hours.

Second four weeks, July 15-August 9. Analysis of psychological processes in relation to social situations; how languages, perception, learning, thinking, motivation, and attitudes determine and result from social interaction and group processes. Prerequisite: Psy 201, 202 or Soc 204, 205. 10-12 MTuWTh. Runkel.

Psy 401. Research. 1-3 hours.

Psy 407. Seminar: Mental Health. (G) 6 hours.

June 9-August 16. Special mental health work study program sponsored by the Western Interstate Commission for Higher Education. (Application for admission to this seminar must be made by April 15 to Dr. Herbert Bisno, Department of Sociology, University of Oregon.) Bisno, Sundberg.

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

Application of psychological methods to the study of the individual; theoretical and statistical rationale of test construction and interpretation; problems involved in the prediction of human behavior; survey of psychological assessment techniques. Prerequisite: Mth 425 or equivalent. 9-10 MTuWTh.

Psy 436. Character and Personality. (g) 3 hours.

Major theories of personality development and function. Prerequisite: Psy 204 or equivalent. 10-11 MTuWTh.

Psy 450. Abnormal Psychology. (g) 3 hours.

Various forms of unusual behavior, including anxiety states, hysteria, hypnotic phenomena, and psychoses. Normal motives and adjustment mechanisms considered in their exaggerations in the so-called neurotic person. 11-12 MTuWTh. Breger.

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

First four weeks, June 17-July 12. Development of behavior and psychological activity through the prenatal period, infancy, and childhood; changes of intelligence, motor capacity, emotional response, language, and social behavior; emphasis on social influences on development. 8-10 MTuWTh. Bricker.

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

Second four weeks, July 15-August 9. Development of behavior and psychological activity through adolescence, maturity, and old age; changes of intelligence, motor capacity, emotional response, language, and social behavior; emphasis on social influences on development. 8-10 MTuWTh. Bricker.

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. 8-10 daily. Tope, Campbell, Johnson, Goldstein, Smith, Fosmire.

- Psy 507. **Seminar: Language Development in Children.** 2-3 hours.
1-3:30 Tu. Bricker.
- Psy 507. **Seminar: Quantitative Models of Cognitive Systems in Social Psychology.** 2-3 hours.
Runkel.
- Psy 507. **Seminar: Psychotherapy and Treatment.** 2-3 hours.
Breger.
- Psy 508. **Clinical Work with Children.** 3 hours.
Work in the University Child Study Center. Enrollment limited. Prerequisite: Psy 524, 530, 531; consent of instructor. Straughan.
- Psy 509. **Practicum Experience.** Hours to be arranged.
Work in selected agencies providing diagnostic and counseling services. Enrollment limited. Prerequisite: consent of instructor. Straughan.

Sociology

Professors: BERREMAN, MARTIN.

Associate Professors: BISNO, JOHANNIS, JOHNSON.

Assistant Professor: PRICE.

- Soc 204. **General Sociology.** 3 hours.
First four weeks, June 17-July 12. Introduction to basic sociological problems. Dominant characteristics of modern societies; the relation between the individual and the group. 1-3 MTuWTh. Price.
- Soc 205. **General Sociology.** 3 hours.
Second four weeks, July 15-August 9. Types of social groups; analysis of the components of groups; the economic, political, and control components of groups. Prerequisite: Soc 204. 1-3 MTuWTh. Price.
- Soc 334. **Social Psychology.** 3 hours.
First four weeks, June 17-July 12. Analysis of psychological processes in relation to social situations; how languages, perception, learning, thinking, motivation, and attitudes determine and result from social interaction and group processes. Prerequisite: Psy 201, 202 or Soc 204, 205. 10-12 MTuWTh.
- Soc 335. **Social Psychology.** 3 hours.
Second four weeks, July 15-August 9. Analysis of psychological processes in relation to social situations; how languages, perception, learning, thinking, motivation, and attitudes determine and result from social interaction and group processes. Prerequisite: Psy 201, 202 or Soc 204, 205. 10-12 MTuWTh.
- Soc 401. **Research.** Hours to be arranged.
- Soc 403. **Thesis.** Hours to be arranged.
- Soc 405. **Reading and Conference.** Hours to be arranged.
- Soc 407. **Seminar: Propaganda and Social Control.** (G) 3 hours.
An examination of the principles and techniques of indoctrination and propaganda; their uses as means of controlling behavior through the control of ideas and attitudes. 1-3 MW. Berreman.
- Soc 407. **Seminar: Mental Health.** (G) 6 hours.
June 9-August 16. Special mental-health work-study program sponsored by the Western Interstate Commission for Higher Education. (Application for admission must be made by April 15 to Dr. Herbert Bisno, Department of Sociology, University of Oregon.) Bisno, Sundberg.
- Soc 416. **Criminology and Delinquency.** (G) 3 hours.
The nature and extent of delinquency and crime as forms of deviant social

behavior; causes of delinquent behavior and program of prevention. 11 MTuWTh. Berreman.

Soc 432. Community Structure and Organization. (G) 3 hours.

Social structure of communities; social class; differential participation in informal and formally organized associations; leadership roles and influence patterns; community conflict. 1-3 TuTh. Martin.

Soc 437. Sociology of Race Relations. (G) 3 hours.

The development of "race consciousness" and emergent problems of race-culture contacts. Prerequisite: introductory course in sociology, anthropology, or psychology. 9 MTuWTh. Berreman.

Soc 440. Group Dynamics. (G) 3 hours.

Analysis of the dynamics of group interaction through readings and experimentation in the classroom setting. 1-2:40 TuTh. Johannis.

Soc 466. Sociology of the Family. (G) 3 hours.

The dynamics of family interaction throughout the family life cycle. Prerequisite: 9 hours in sociology. 8 MTuWTh. Johannis.

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: Scope and Methods of 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. 8-10 daily. Tope, Campbell, Johnson, Goldstein, Smith, Fosmire.

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

For advanced graduate students. Draws from the literature in related fields of business administration, economics, social psychology, sociology, and political science; emphasis on the fundamental research underlying human behavior as a basis for the theory and practice of administrative behavior.

Soc 507. Seminar: Urban Growth and Development Problems in Asia. 8 hours.

Analysis of the problems of rapidly accelerating urban growth in Asian countries, with particular attention to the political, social, economic, and cultural consequences of the movement of population from rural areas to urban centers. Research materials will be drawn substantially from official and other documentary sources. Visiting faculty and government officials will participate in the discussion of research problems. 10-12 daily. Gange and others.

Speech

Professor: ROBINSON.

Associate Professors: COHEN, KRETSINGER, NOBLES, SHEPHERD.

Assistant Professors: CHRISTENSEN, PECK, RAMEY.

TV Technician: MURPHY.

Sp 111. Fundamentals of Speech. 3 hours.

Projects in extempore speaking. Primary emphasis on content and organization of speeches and adjustment to the speaking situation. 8 MTuWTh. Nobles.

Sp 264, 265, 266. Production Workshop. 3 hours.

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

- Sp 301. **Theory and Literature of Rhetoric.** 3 hours.
Selected readings on the principles of rhetoric and public address from Plato to the present. 1 MTuWTh. Cohen.
- Sp 311. **Advanced Interpretation.** 3 hours.
Instruction in the discovery and oral expression of meaning and feeling in prose, poetry, and dramatic literature. 8 MTuWTh.
- Sp 321. **Argumentation.** 3 hours.
Principles of effective argument, with special attention to reasoning, evidence, organization, and refutation. 9 MTuWTh. Nobles.
- Sp 352. **Technique of Acting: Characterization.** 3 hours.
Problems in analysis and presentation of characters. 10 MTuWTh.
- Sp 353. **Advanced Acting.** 3 hours.
Advanced problems in acting technique; study, rehearsal, and performance. Hours to be arranged.
- Sp 364. **Play Direction.** 3 hours.
Sources of dramatic material, choice of plays, casting and rehearsal, production organization. 11 MTuWTh.
- Sp 371. **Speech Science.** 3 hours.
A study of the anatomy, psychology, and physics of speech. 10 MTuWTh. Christensen.
- Sp 423. **American Oratory.** (G) 3 hours.
Study of selected American orations. 11 MTuWTh. Nobles.
- Sp 438. **Contemporary Drama.** (G) 1-2 hours.
- Sp 445. **Television Production.** (G) 3 hours.
Problems and procedures in television broadcast production. 1 MTuWTh. Kretsinger.
- Sp 460. **Advanced Play Direction.** (G) 3 hours.
Advanced theory and practice in direction of plays for public performance. Hours to be arranged.
- Sp 464. **History of the Theater.** (G) 3 hours.
An historical study of the theater from ancient times to the Renaissance. 9 MTuWTh.
- Sp 481. **Speech Pathology.** (G) 3 hours.
Symptoms, causes, and treatment of functional speech defects and disorders. 1 MTuWTh. Christensen.
- 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. (Students who plan to register for this course should write to: Director, Speech and Hearing Clinic, University of Oregon.) Christensen.
- 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: Technical Problems in the Theater.** 3 hours.
- Sp 507. **Seminar: Theatrical Production and Direction.** 3 hours.
- Sp 507. **Seminar: Special Problems in Speech Pathology.** 3 hours.
Christensen.
- Sp 507. **Seminar: Radio-Television Script Writing.** 3 hours.
Kretsinger.
- Sp 507. **Seminar: Problems of Educational Television.** 3 hours.
Kretsinger.

- Sp 507. **Seminar: Theory of Oral Communication.** 3 hours.
Cohen.
- Sp 507. **Seminar: Directing the High-School and College Forensic Program.**
3 hours.
Nobles.
- Sp 507. **Seminar: Oral Discourse.** 2 hours.
To be taken in conjunction with Eng 507. Seminar: Written Discourse.
Registration in this section is limited to participants in the Institute of the
Oregon Curriculum Center. 9 daily. Cohen.
- Sp 507. **Seminar: Oral Discourse.** 2 hours.
To be taken in conjunction with Eng 507. Seminar: Written Discourse. 11
daily. Cohen.
- Sp 508. **Workshop: Educational Television.** 4 hours.
June 10-21. An intensive program of class and laboratory work, for teachers
and administrators, in the arts and skills of production and performance in
the use of television in education. Shepherd, Ramey, Murphy.
- Sp 541. **Theory and Criticism of Broadcasting.** 3 hours.
A comparative study of systems of broadcasting; the development of ethical,
artistic and critical standards in radio and television. 10 MTuWTh. Kret-
singer.
- Sp 553. **Theory of Dramatic Production.** 3 hours.
Theory of dramatic structure. 8 MTuWTh. Robinson.

Summer Academy of Contemporary Arts

The fifth annual Summer Academy of Contemporary Arts will be held on the University campus during the 1963 summer session. A series of two-week courses devoted to various aspects of contemporary arts will be taught by distinguished lecturers and practicing artists. The focus of all courses will be on present trends and significant work since World War II; lectures will be supplemented by class discussions and observation. As a culminating part of each course, the artist-in-residence or commentator will present a public performance appropriate to his field.

Students may enroll for the complete Summer Academy program or for selected courses at the beginning of the summer session or at the beginning of each two-week course. The courses are open to auditors as well as students registered 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. To earn 1 hour of credit, attendance at all lectures is mandatory. In all courses, a bibliography is furnished as a guide to the student's future reading. The fee for regular University credit or for audit is \$25.00 for each two-week session.

Some of the course lectures are scheduled from 3:00 to 4:00 p.m. Monday through Thursday, with discussion periods from 4:00 to 5:00 p.m. on the same days; other lectures are scheduled from 1:00 to 2:00 p.m., with discussion periods from 2:00 to 3:00 p.m.

All Summer Academy lectures are open to the public. The fee for visitors is \$5.00 for each two-week session; tickets will be on sale at the door or at the University Business Office. Visitor's comments or questions are welcome during the question sessions. No distinction in seating is made between auditors, regularly enrolled students, and visitors.

For further information see the Summer Academy brochure, which will be furnished on request to the Summer Session Office.

AA 438. **Contemporary Painting.** (G) 1-2 hours.

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

Mus 438. **Contemporary Music.** (G) 1-2 hours.

A study of contemporary trends in music. A section of the Summer Academy of Contemporary Arts. 3 MTuWTh.

Sp 438. **Contemporary Drama.** (G) 1-2 hours.

World Affairs Program

The University of Oregon 1963 summer session includes a substantial number of courses directly relevant to the study of world affairs, including instruction in foreign languages and literature and sixteen courses offered by the several social science divisions which are open to advanced undergraduate and graduate students who are interested in world affairs. These courses are listed below; for descriptions, see the departmental sections of this catalog.

The Institute of International Studies and Overseas Administration, in cooperation with the University Library Browsing Room Lecture Series, will present a number of public lectures on world affairs topics during the summer. Visiting specialists and University faculty will participate in this program.

Ec 407. **Seminar: Contemporary International Economic Policies.** (g) 4 hours.

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

Geog 463. **Geography of Middle America.** 3 hours.

Geog 464. **Geography of South America.** 3 hours.

Hst 407. **Seminar: Twentieth-Century Totalitarianism.** 3 hours.

Hst 445. **Europe since 1939.** (G) 3 hours.

Hst 465. **British Empire.** (g) 3 hours.

Hst 474. **American Foreign Relations.** (G) 3 hours.

Hst 490. **Problems of the Pacific: Resurgence of Japan.** (g) 3 hours.

Hst 499. **History of Japan.** (G) 3 hours.

PS 205. **International Relations.** 3 hours.

PS 440. **Foreign Policies of the Major Powers.** (G) 4 hours.

PS 443. **Processes of Integration in the North Atlantic Area.** (G) 3 hours.

PS 501. **Research: Development Administration and Politics of the Developing Countries.** Hours to be arranged.

PS 507, Soc 507. **Seminar: Urban Growth and Development Problems in Asia.** 8 hours.

Class Schedule by Hours

Eight-Week Session

7:00 to 9:00 a.m.

Number	Course Title	Instructor
MuE 408.	Workshop: Comparative Music. (MTuWTh)	.....
PE 573.	Gross Anatomy. (TuTh)	..... Sigerseth
Rec 499.	School and Community Recreation Programs. (MW)	..... Rodney

8:00 a.m.

Bi 356.	Vertebrate Embryology. (MWF; lab 9-12 MWF)	..... Huesties
Bi 481.	Microbiology. (MWF; lab 9-12 MWF)	.....
Bi 596.	Survey of Embryology. (MWF; lab 9-12 MWF)	..... Huesties
Ec 201.	Principles of Economics. (MTuWTh)	..... Tattersall
Ed 353.	The Child and His Curriculum: Arithmetic. (MTuWTh)	..... Schminke
Ed 424.	Measurement in Education. (MTuWTh)	.....
Ed 427.	School Activities. (MTuWTh)	..... Wood
Ed 468.	Remedial Techniques in The Basic Skills. (MTuWTh)	..... Chronister
Ed 507.	Seminar: School Personnel Policies and Procedures. (MTuWTh)	..... Dils
Ed 509.	Practicum: Remedial Clinic. (M)	..... Hill
Ed 535.	Social Studies in the Elementary School. (MTuWTh)	..... Scooby
Ed 542.	Urbanization of the Pupil, and the Curriculum. (MTuW)	..... Graham
Ed 576.	School Buildings. (daily)	..... Hines
Eng 507.	Seminar: Applied Criticism. (daily)	..... Bartel
Eng 507.	Seminar: Structure and History of English. (daily)	..... O'Neil
RL 405.	Reading and Conference. (MTuWTh)	..... Beall
RL 505.	Reading and Conference. (MTuWTh)	..... Beall
GL 320.	Scientific German. (MTuWTh)	..... Leppmann
HE 464.	Health Instruction. (TuWThF)	..... Gillespie
Hst 203.	History of the United States. (MTuWTh)	..... Posey
Hst 465.	British Empire. (MTuWTh)	..... Smith
Hst 489.	American Economic History. (MTuWTh)	..... Peterson
I 459.	Publicity and Public Relations. (daily)	..... Wales
Lib 491.	Storytelling. (MTuWTh)	..... Ostwald
Mth 111.	Mathematics for Elementary Teachers. (daily)	..... Sherman
Mth 499.	Sequences and Series. (daily)	..... Moursund, Ghent
MuE 532.	Problems in Music Education. (MTuWTh)	..... Nye
Mus 407.	Seminar: Graduate Review of Music Theory. (MWF)	..... Earls
PE 420.	Methods in Elementary School Physical Education. (TuWThF)	..... Munson
PE 550.	Current Movements in Physical Education. (TuWThF)	..... Esslinger
PE 559.	Professional Preparation in Physical Education. (TuWThF)	..... Sprague
Sp 111.	Fundamentals of Speech. (MTuWTh)	..... Nobles
Sp 311.	Advanced Interpretation. (MTuWTh)	.....
Sp 553.	Theory of Dramatic Production. (MTuWTh)	..... Robinson
Soc 466.	Sociology of the Family. (MTuWTh)	..... Johannis

8:00 to 10:00 a.m.

Anth 507.	Seminar: Scope and Methods of the Social Sciences. (daily)	..... Tope, Campbell, Johnson, Goldstein, Smith, Fosmire
AA 257.	Metalwork and Jewelry. (MTuWTh)	..... Nixon
ArE 411.	Methods and Research Materials in Elementary School Art. (MTuWTh)	..... Ballinger
Ed 315.	Human Development and Learning. (MTuWTh)	..... McManis
Ec, Ed, PS, Psy, Soc 507.	Seminar: Scope and Methods of Social Sciences. (daily)	..... Tope, Campbell, Johnson, Goldstein, Smith

8:00 to 12:00 a.m.

AA 401.	Special Studies: Architecture. (MTuWTh)	.....
AA 487.	Architectural Design. (MTuWTh)	.....
AA 587.	Architectural Design. (MTuWTh)	.....
ArE 409.	Practicum: Art Experiences for the Mentally Retarded. (daily)	..... Lent, staff
Ed 409.	Practicum: Teaching the Mentally Retarded. (daily)	..... Lent, staff
Ed 489.	Curriculum for the Mentally Retarded. (MTuWTh) Lent

8:30 to 11:00 a.m.

Bi 590.	Recent Advances in Biology. (TuTh)
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9:00 a.m.

ArE 507.	Seminar: The Coming Paradox of Art in Public School Education. (MTuWTh) Burgner
Ec 318.	Money and Banking. (MTuWTh)	..... Siegel
Ec 407.	Seminar: Principles and Problems of Government Finance. (MTuWTh)	.....
Ed 352.	The Child and His Curriculum: Language Arts. (MTuWTh)	..... Nye
Ed 440.	History of Education. (MTuWTh)	..... Breen
Ed 465.	Diagnostic Techniques in the Basic Skills. (MTuWTh)	..... Chronister
Ed 488.	Educational and Vocational Guidance. (MW)	..... Acker

Number	Course Title	Instructor
Ed 507.	Seminar: Student Council. (MTuWTh)	Wood
Ed 507.	Seminar: Teaching the Emotionally-Socially Maladjusted. (MTuWTh)	Mattson
Ed 515.	Educational Statistics. (MTuWTh)	Clarke
Ed 525.	Theory and Technique of Educational Measurement. (MTuWTh)	Lovell
Ed 553.	Elementary School Curriculum. (MTuWTh)	Scoley
Eng 507.	Seminar: Structure and History of English. (daily)	O'Neil
Eng 507.	Seminar: Written Discourse. (daily)	Kitzhaber
RL 405.	Reading and Conference. (MTuWTh)	Rosen
RL 505.	Reading and Conference. (MTuWTh)	Rosen
Geol 352.	Introduction to the Geology of Oregon. (MTuWTh)	Youngquist
HE 552.	First Aid. (TuWThF)	Schendel
HE 552.	Administration of School eHealth Education. (TuWThF)	Tuck
Hst 413.	History of Rome. (MTuWTh)	Breen
Hst 478.	History of the Pacific Northwest. (MTuWTh)	Tyler
Hst 490.	Problems of the Pacific: Resurgence of Japan. (MTuWTh)	Dull
J 361.	Reporting. (daily)	Payne
Lib 490.	Children's Literature. (MTuWTh)	Ostwald
Lib 494.	Literature of the Sciences. (MTuWTh)	Roecker
Mth 421.	Functions of a Complex Variable. (MTuWF)	Moursund
Mth 488.	Geometry. (daily)	
Mus 407.	Seminar: Analysis of Music Structure. (MWF)	Earls
Mus 429.	Introduction to Musicology. (MTuThF)	Cykler
MuE 407.	Seminar: Interpretation of Orchestral Literature. (MTuWF)	Boughton
PE 421.	Administration of Elementary School Physical Education. (TuWThF)	Munson
PE 507.	Seminar: Scientific Bases of Physical Education. (TuWThF)	Ulrich
Phil 203.	Elementary Logic. (MTuWTh)	
Ph 417.	Atomic Physics. (daily)	
PS 429.	Government and Politics of China. (MTuWTh)	Fiszman
PS 440.	Foreign Policies of the Major Powers. (daily)	
Psy 421.	Principles and Methods of Psychological Assessment. (MTuWTh)	Breger
Soc 437.	Sociology of Race Relations. (MTuWTh)	Berberman
Sp 321.	Argumentation. (MTuWTh)	Nobles
Sp 464.	History of the Theater. (MTuWTh)	
Sp 507.	Seminar: Oral Discourse. (daily)	Cohen

9:00 a.m. to 12:00 noon

AA 290.	Painting. (MTuWTh)	Foster
AA 490.	Advanced Painting. (MTuWTh)	Wilkinson
AA 492.	Composition and Visual Theory. (MTuWTh)	Wilkinson

9:30 a.m. to 12:00 noon

Bi 590.	Recent Advances in Biology: (TuTh)	
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10:00 a.m.

AA 401.	Special Studies: American Art. (MTuWTh)	Kramer
Cb 429.	Survey of Analytical Chemistry. (MTuWTh; lab 2-5 MTuTh)	Ferguson
Ed 407.	Seminar: Principles and Problems of Government Finance. (MTuWTh)	Tattersall
Ed 407.	Seminar: Social Studies for the Elementary School	Nye
Ed 428.	Psychology of Reading Instruction. (MTuWTh)	Smith
Ed 439.	The Gifted Child. (MTuWTh)	Lovell
Ed 485.	Principles and Practices of Guidance Services. (MTuWTh)	Lowde
Ed 491.	Social Education. (MTuWTh)	Graham
Ed 526.	High School Counseling. (MTuWTh)	Loughary
Ed 565.	Curriculum Foundations. (MTuWTh)	Nickerson
RL 505.	Reading and Conference. (MTuWTh)	Beall
RL 405.	Reading and Conference. (MTuWTh)	Beall
Geol 456.	Problems in Regional Geology. (MTuWTh)	Youngquist
GS 104.	Physical Science Survey. (daily)	
Hst 418.	Studies in Western Civilization. (MTuWTh)	Sorenson
Hst 469.	Twentieth-Century England. (MTuWTh)	Smith
Hst 474.	American Foreign Relations. (MTuWTh)	Posey
J 341.	Principles of Advertising. (daily)	Wales
Mth 425.	Elements of Statistical Methods. (MTuWTh)	
Mth 468.	Basic Concepts of Probability and Statistics. (daily)	Moyle
MuE 407.	Seminar: Interpretation of Wind-Instrument Literature. (MWF)	Vagner
MuE 407.	Seminar: Music History. (MTuThF)	Cykler
PE 180, 190.	Swimming. (TuWThF)	Wiley
PE 380, 390.	Swimming. (TuWThF)	Wiley
PE 552.	Administration of Athletics. (TuWThF)	Sprague
PE 567.	Motor Development in Infancy and Childhood. (TuWThF)	Poley
Phi 303.	Modern Philosophy. (MTuWTh)	Ebersole
Psy 204.	Psychology of Adjustment. (MTuWTh)	Maynard
Psy 436.	Character and Personality. (MTuWTh)	
PS 205.	International Relations. (MTuWTh)	
Sp 352.	Technique of Acting: Characterization. (MTuWTh)	
Sp 371.	Speech Science. (MTuWTh)	Christensen
Sp 541.	Theory and Criticism of Broadcasting. (MTuWTh)	Kretzinger

10:00 a.m. to 12:00 noon

AA 455.	Advanced Ceramics. (MTuWTh)	James
AA 456.	Advanced Weaving. (MTuWTh)	Nixon
AA 457.	Advanced Metalwork and Jewelry. (MTuWTh)	Nixon
AA 494.	Advanced Sculpture. (MTuWTh)	Buckner
ArE 401.	Special Studies: Art for Elementary Teachers. (MTuWTh)	Gehring

Number	Course Title	Instructor
ArE 401.	Special Studies: Art in Secondary School Curriculum. (MTuWTh)	Ballinger
Ed 507.	Seminar: Nature and Problems of Administrative Behavior. (MTuWTh)	Jacobson, Dubin
Lib 486.	Introduction to Cataloging and Classification. (TuTh)	Pierron
Lib 487.	Cataloging and Classification. (MW)	Findly
Lib 512.	Government Publications. (TuTh)	Summers
PS 407.	Seminar: Introduction to the Legal Order. (MTuWTh)	Klonoski, Summers
PS 507.	Nature and Problems of Administrative Behavior. (MTuWTh)	Jacobson, Dubin
PS 507.	Seminar: Introduction to the Legal Order. (MTuWTh)	Klonoski, Summers
PS 507.	Seminar: Urban Growth and Development Problems in Asia. (daily)	Gange, associates
Soc 507.	Seminar: Urban Growth and Development Problems in Asia. (daily)	Gange, associates

11:00 a.m.

Anth 456.	Language, Culture and Behavior. (MTuWTh)	Smith
Ch 439.	Survey of Organic Chemistry. (MTuWTh; lab 9-12 F)	Ferguson
Ec 407.	Seminar: Contemporary International Economic Policies. (daily)	Allen
Ec 417.	Contemporary Economic Problems. (daily)	Siegel
Ed 317.	Social Foundations of Teaching. (MTuWTh)	Graham
Ed 407.	Seminar: Reading in the Elementary School. (MTuWTh)	Nye
Ed 429.	Principles of Remedial Education. (MTuWTh)	Hill
Ed 440.	History of Education. (MTuWTh)	Green
Ed 446.	Modern Philosophies of Education. (MTuWTh)	Castell
Ed 507.	Seminar: Elementary Guidance. (MTuWTh)	Loughary
Ed 512.	Research Procedures in Education. (MTuWTh)	Rummel
Ed 537.	Reading in the Elementary School. (MTuWTh)	Scobey
Eng 507.	Seminar: Applied Criticism. (daily)	Bartel
Eng 507.	Seminar: Written Discourse. (daily)	Oswald
Eng 518.	Chaucer's Troilus and Criseyde. (TuWThF)	Brodeur
Geol 102.	General Geology. (MTuWTh)	Youngquist
HE 250.	Personal Health. (TuWThF)	Gillespie
HE 506.	Special Problems in Traffic Safety. (TuWThF)	Brumbach
Hst 445.	Europe since 1939. (MTuWTh)	Delzell
Hst 480.	The United States in the Twentieth Century. (MTuWTh)	Tyler
Hst 499.	History of Japan. (MTuWTh)	Dull
Mth 598.	Numerical Analysis. (MTuWTh)	Jennings
Mus 407.	Seminar: Counterpoint I (16th Century). (MWF)	Keller
MuE 407.	Seminar: Class Piano Pedagogy for Public School. (MWF)	Bittner
MuE 507.	Seminar: History of Music in Education. (MTuWTh)	Nye
PE 180, 190.	Swimming. (TuWThF)	Wiley
PE 180, 190.	Tennis. (TuWThF)	Borchardt
PE 380, 390.	Swimming. (TuWThF)	Wiley
PE 380, 390.	Tennis. (TuWThF)	Borchardt
PE 507.	Seminar: Philosophy of Physical Education. (TuWThF)	Ulrich
Phil 435.	Existentialism. (MTuWTh)	Zweig
Psy 450.	Abnormal Psychology. (MTuWTh)	Breger
PS 427.	Government and Politics of the Soviet Union. (MTuWTh)	Fizman
PS 443.	Processes of Integration in the North Atlantic Areas. (MTuWTh)	Weitenmann
Soc 416.	Criminology and Delinquency. (MTuWTh)	Berberman
Sp 364.	Play Direction. (MTuWTh)	Nobles
Sp 423.	American Oratory. (MTuWTh)	Cohen
Sp 507.	Seminar: Oral Discourse. (daily)	Cohen

11:00 a.m. to 1:00 p.m.

Ed 507.	Seminar: Work Evaluation. (MW)	Acker
Psy 210.	General Psychology Laboratory. (Tu)	Maynard

12:00 noon

Ed 314.	Principles of Secondary Teaching. (MTuWTh)	Kambly
Ed 536.	Language Arts in the Elementary School. (daily)	Carlson
Mus 395.	Band. (daily)	Vagner
PE 575.	Mechanical Analysis of Motor Skills. (MTuWThF)	Sigersteth
Rec 553.	Administration of Recreation. (MTuWTh)	Rodney

1:00 p.m.

ArE 401.	Special Studies: Art History in the Public School Curriculum. (MTuWTh)	Kramer
Bi 332.	Plant Morphology. (MWF; lab 2-5 MWF)	Kramer
Bi 522.	Comparative Morphology of Vascular Plants. (MWF; lab, 2-5 MWF)	Kramer
Ch 320.	Elementary Quantitative Analysis. (MTuWTh; lab 2-5 MTuTh)	Kramer
Ed 464.	The Mentally Retarded Child. (MTuWTh)	Lent
Ed 469.	Reading in High School and College. (MTuWTh)	Smith
Ed 476.	School Law and Organization. (MTuW)	Laing
Ed 507.	Seminar: Adlerian Theory. (MWTh)	Dreikurs
Ed 529.	Advanced Educational Psychology. (MW)	Lovell
Ed 538.	Mathematics in the Elementary School. (MTuWTh)	Schminke
Ed 572.	Public School Administration. (daily)	Romney
Ed 595.	Methods in Secondary-School Science. (daily)	TenBrinke
HE 450.	Elementary School Health Education. (MTuWTh)	Tuck
HE 543.	Advanced Health Instruction. (MTuWTh)	Haar
Hst 449.	History of Russia. (MTuWTh)	Delzell
Mus 407.	Seminar: Composition I. (MWF)	Keller
MuE 381.	Music for Elementary Teachers. (MTuThF)	Wilson
MuE 407.	Seminar: Woodwind-Instrument Techniques. (daily)	Cunningham

Number	Course Title	Instructor
Mus 397.	Chorus. (MTuWTh)	Rieinger
PE 446.	Tests and Measurements in Physical Education. (MTuWTh)	Rhoda
PE 340.	Statistical Methods in Physical Education. (MTuWTh)	Clarke
Phi 452.	Philosophy of Language. (MTuWTh)	Ebersole
Sp 264, 265, 266.	Production Workshop. (MTuWTh)	Peck
Sp 301.	Theory and Literature of Rhetoric. (MTuWTh)	Cohen
Sp 445.	Television Production. (MTuWTh)	Kretzinger
Sp 481.	Speech Pathology. (MTuWTh)	Christensen
Sp 507.	Seminar: Oral Discourse. (MTuWThF)	Cohen

1:00 to 2:40 p.m.

Soc 440.	Group Dynamics. (TuTh)	Johannis
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1:00 to 3:00 p.m.

AA 203.	Elementary Sculpture. (MTuWTh)	Buckner
AA 255.	Ceramics. (MTuWTh)	James
AA 256.	Beginning Weaving. (MTuWTh)	Nixon
Ed 409.	Practicum: Clinical Procedures in Education. (MTh)	Berryhill, Cross, Mattson, staff
Ed 509.	Practicum: Clinical Procedures in Education. (WTh)	Berryhill, Cross, Mattson
Lib 484.	School Library Administration. (MW)	
Lib 488.	Books and Related Materials for Young People. (TuTh)	Ostwald
Lib 496.	Library in the Modern Community. (TuTh)	Pierron
Soc 407.	Seminar: Propaganda and Social Control. (MW)	Berreman
Soc 432.	Community Structure and Organization. (TuTh)	Martin

1:00 to 3:30 p.m.

Psy 507.	Seminar: Language Development in Children. (Tu)	Bricker
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1:00 to 4:00 p.m.

AA 401.	Fundamentals of Print Making. (MTuWTh)	Foster
AA 491.	Advanced Drawing. (MTuWTh)	Foster

1:00 to 4:30 p.m.

Ed 409.	Practicum: Procedures in Family Counseling. (Tu)	Lowe
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1:00 to 5:00 p.m.

Bi 439.	Field Botany.	
Bi 494.	Laboratory and Field Methods in Biology. (TuTh)	Murphy

2:00 p.m.

Ed 310.	The School in American Life. (MTuWTh)	Tope
Ed 409.	Practicum: Rehabilitation Counseling. (Th)	Wegner
Ed 462.	Psychology of Exceptional Children. (MTuWTh)	Mattson
Ed 575.	School Finance. (daily)	Romney
Ed 484.	The Junior High School. (MTuWTh)	Wood
Ed 534.	Science in the Elementary School. (MTuWTh)	Kambly
Ed 562.	Issues in Extreme Learning Difficulties. (MTuWTh)	Hill
HE 467.	Driver Education and Training. (MTuWTh)	Brumbach
Mth 457.	Foundations of Mathematics. (MTuWTh)	
Mth 579.	Algebra. (MTuWTh)	Moyle
MuE 407.	Seminar: Music Theory in the Secondary School. (MWF)	Earls
PE 180, 190.	Tennis. (MTuWTh)	Wiley
PE 380, 390.	Tennis. (MTuWTh)	Wiley
PE 223.	Fundamental Body Movement, Posture and Tumbling. (MTuWTh)	Munson
PE 517.	Methods of Research. (MTuWTh)	Rhoda
PE 531.	Muscle Testing and Therapeutic Exercise. (MTuWTh)	Poley

2:00 to 3:30 p.m.

Ed 463.	The Maladjusted Child. (MW)	Dreikurs
Ed 407.	Seminar: Behavior Problems in the Classroom. (MW)	Dreikurs Lowe

2:00 to 4:00 p.m.

Ed 409.	Practicum: Secondary School Counseling. (M)	Loughary
Ed 509.	Practicum: Secondary School Counseling. (W) or (M)	Loughary

2:00 to 4:30 p.m.

Ed 409.	Practicum: Family Counseling. (Tu; 2-3 Th)	Dreikurs
Ed 509.	Practicum: Family Counseling. (Tu; 2-3 Th)	Dreikurs

3:00 p.m.

Ed 435.	Audio-Visual Aids. (MTuWTh)	McDonald
Ed 441.	History of American Education. (MTuWTh)	Castell
MuE 533.	Music in the Elementary School. (MTuThF)	D. Wilson
Mus 438.	Contemporary Music. (MTuWTh)	
PE 180, 190.	Tennis. (MTuWTh)	Munroe
PE 380, 390.	Tennis. (MTuWTh)	Munroe
PE 222.	Rhythms for the Elementary School. (MTuWTh)	Munson
PE 541.	Statistical Methods in Physical Education. (MTuWThF)	Clark

8:00 to 9:30 a.m.

Bi 102. General Biology. (daily; lab 9:30-12:30 MWTh) Masterson, Hindman

8:00 to 10:00 a.m.

Ed 507. Seminar: Individualized Approaches to Reading Instruction. (daily) Candland
 GL 51. First-Year German. (daily) Gontrum
 RL 51. First-Year French. (daily) Marshall
 RL 102. Second-Year French. (daily) Solinis
 SL 51. First-Year Russian. (daily) Tolson
 Geog 302. Geography of Western North America. (MTuWThF) Price
 Psy 202. General Psychology. (MTuWTh) Resch
 Psy 461. Developmental Psychology II: Adolescence and Maturity. (MTuWTh) Bricker

8:00 to 11:00 a.m. and 12:00 to 3:00 p.m.

Ec 508. Workshop: Economic Education Workshop. (daily)

9:00 a.m.

Ec 451. Comparative Economic Systems. (daily) Allen

10:00 to 12:00 noon

Ed 527. Secondary School Administration and Supervision. (daily) Hearn
 Ed 554. Elementary School Supervision and Administration. (daily) Sandin
 GL 102. Second-Year German. (daily) Leppmann
 RL 61. First-Year Spanish. (daily) Rosen
 RL 71. First-Year Italian. (daily) Hatzantonis
 RL 108. Second-Year Spanish. (daily) Pailley
 Geog 106. Introductory Geography. (MTuWTh) Price
 Psy 335. Social Psychology. (MTuWTh) Runkel
 Soc 335. Social Psychology. (MTuWTh)

11:00 a.m.

MuE 407. Seminar: Problems of the Marching Band. (daily) Lee

11:00 a.m. to 1:00 p.m.

Psy 209. General Psychology Laboratory. (MW) Resch

1:00 to 3:00 p.m.

Ed 593. Methods in Secondary English. (MTuWTh) Kraus
 Ed 594. Methods in Secondary-School Mathematics. (daily) Schaaf
 Geog 464. Geography of South America. (MTuWTh) Price
 Soc 205. General Sociology. (MTuWTh)

2:00 to 4:00 p.m.

Ed 566. Curriculum Construction. (daily) Wood

3:00 p.m.

MuE 407. Seminar: Chamber Music Literature for Secondary Schools. (daily) Maves

Six-Week Courses

Mth 458. Foundations of Mathematics. (daily) 1:00 p.m. Maier

Eleven-Week Courses

(June 17-August 30)

8:00 a.m.

BS 232. Introduction to Business Statistics. (daily) Christy
 FBE 530. Managerial Economics. (TuTh) Richins
 SS 121. Typing. (daily) Senn
 SS 122. Typing. (daily) Senn
 Wr 111. English Composition (First Term). (MWF) Gardiner
 Eng 105. Appreciation of Literature (First Term). (MWF) Hynes
 Eng 482. Major American Writers. (MWF) McCloskey
 Hist 103. History of Western Civilization. (MWTh) Pierson
 Mth 10. Elements of Algebra. (MTuWTh)
 Mth 100. Intermediate Algebra. (MTuWTh)
 Mth 105. Introductory College Mathematics. (MTuWTh)
 PS 201. American Government. (MWF) Klonoski

8:00 to 10:00 a.m.

Mus 201, 202, 203. Introduction to Music and Its Literature. (MWF; 9-10 TuTh) Maves

9:00 a.m.

Ac 211, 212. Fundamentals of Accounting. (daily) Harwood

Number	Course Title	Instructor
FBE 463.	Investments. (MWF)	Burrell
SS 111.	Stenography. (MTuWTh)	Senn
Ec 202.	Principles of Economics (Second Term). (MWF)	Smith
Wr 111.	English Composition (First Term). (MWF)	Aho
Eng 101.	Survey of English Literature (First Term). (MWF)	McKnight
Hst 101.	History of Western Civilization. (MWTh)	Birn

9:00 to 12:00 noon

AA 187.	Design Studio I. (MW)	Dole
AA 290.	Painting. (TuTh)	

10:00 a.m.

FBE 216.	Business Law. (daily)	Robert
FBE 466.	Business Fluctuations. (daily)	Christy
Ec 203.	Principles of Economics (Third Term). (MWF)	Smith
Wr 111.	English Composition (First Term). (MWF)	Cardner
Wr 112.	English Composition (Second Term). (MWF)	Stallman
Eng 201.	Shakespeare (First Term). (MWF)	Swendsen
Hst 202.	History of the United States. (MWTh)	Peterson
Hst 301.	Europe since 1789. (MWTh)	Pierson
Mth 104.	Introductory College Mathematics. (MTuWTh)	
Mth 106.	Introductory College Mathematics. (MTuWTh)	

11:00 a.m.

FBE 320.	Financial Institutions. (daily)	Richins
FBE 522.	Problems in Business Finance. (MWF)	Burrell
MIM 413.	Wage and Salary Administration. (MWF)	Seubert
SS 324.	Office Practice. (MTuWTh)	Sean
Ec 463.	Economics of Competitive Industries. (MWF)	Smith
Wr 113.	English Composition (Third Term). (MWF)	McKnight
Eng 104.	Appreciation of Literature (First Term). (MWF)	Strange
PE 180, 190.	Badminton. For men and women. (MWF)	Bailou
PE 380, 390.	Badminton. For men and women. (MWF)	Bailou
Hst 102.	History of Western Civilization. (MWTh)	Birn
Mus 111.	Music Theory I. (daily)	Earls

11:00 to 12:30 p.m.

MIM 507.	Seminar: Marketing Theory. (MW)	Bell
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12:00 noon

PE 180, 190.	Swimming. For men and women. (MWF)	Bailou
PE 380, 390.	Swimming. For men and women. (MWF)	Bailou

1:00 p.m.

FBE 322.	Business Finance. (daily)	Burrell
MIM 531.	Theory of Business Organization. (MWF)	Seubert
Wr 50.	Corrective English. (MWF)	Stallman
Eng 107.	World Literature (First Term). (MWF)	Strange
Hst 201.	History of the United States. (MWTh)	Peterson

1:00 to 2:40 p.m.

PE 180, 190.	Golf. For men and women. (MW and TuTh)	Bailou
PE 380, 390.	Golf. For men and women. (MW and TuTh)	Bailou

1:00 to 3:00 p.m.

Ph 204.	General Physics Laboratory. (M)	
Ph 205.	General Physics Laboratory. (Tu)	
Ph 206.	General Physics Laboratory. (W)	

1:00 to 4:00 p.m.

BE 508.	Workshop: Current Trends and Methods in Typewriting. (daily)	Veon
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2:00 p.m.

FBE 418.	Advanced Business Law. (daily)	Robert
MIM 323.	Elements of Marketing. (MWF)	Bell
Mus 211.	Music Theory II. (MTuWTh)	Earls
Mus 214.	Keyboard Harmony. (F)	Earls

3:00 p.m.

Ac 540.	Administrative Controls. (MW)	Harwood
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3:00 to 4:30 p.m.

Ac 313.	Managerial Accounting. (TuTh)	Soha
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3:00 to 5:00 p.m.

MIM 321.	Organization and Interpersonal Relations. (MWF)	Seubert
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