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Cover Photo: Venerable Deady Hall is the oldest building on the University of Oregon campus. (Color separations courtesy of Irwin-Hodson Company, Portland. Back cover plates courtesy of Oregon State Highway Department, Travel Information Division.)

UNIVERSITY
OF OREGON
SUMMER
SESSION

1962 CATALOG

EUGENE, OREGON

Table of Contents

OREGON STATE SYSTEM OF HIGHER EDUCATION.....	5
OFFICERS OF ADMINISTRATION.....	7
SUMMER SESSION FACULTY.....	8
SUMMER SESSION CALENDAR.....	16
THE SUMMER PROGRAM.....	17
GENERAL INFORMATION	24
WORKSHOPS AND CONFERENCES.....	26
ELEVEN-WEEK SESSION.....	27
Biology	27
Business Administration	27
English	28
Foreign Languages	28
History	29
Mathematics	29
Physics	30
Political Science	30
Speech	30
EIGHT-WEEK SESSION	31
Anthropology	31
Architecture and Allied Arts.....	31
Biology	34
Business Administration	36
Chemistry	38
Economics	39
Education	40
English	50
Foreign Languages	52
Geography	53
Geology	54
Health, Physical Education, and Recreation.....	55
History	59
Journalism	60

EIGHT-WEEK SESSION (continued)

Librarianship	61
Mathematics	62
Music	64
Philosophy	67
Physics	67
Political Science	68
Psychology	69
Sociology	70
Speech	72
WORLD AFFAIRS PROGRAM.....	73
JUVENILE COURTS PROGRAM.....	74
SUMMER ACADEMY OF CONTEMPORARY ARTS.....	74

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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.

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- DEVERE TAYLOR, M.S., Dean of Boys, Medford High School, Medford, Oregon; Visiting Instructor in Education.
- TOM THAYER, M.S., Teacher, David Douglas High School, Portland, Oregon; Visiting Instructor in Education.
- BERTHA THOMPSON, Ph.M., Remedial Teacher, Eugene Public Schools; Visiting Instructor in Education.
- ARTHUR THROCKMORTON, Ph.D., Professor of History.

- GEORGE C. TIMMONS, M.Ed., Research Associate Professor of Education.
- LOWELL TITUS, M.S., Teacher, Sunset High School, Beaverton, Oregon; Visiting Instructor in Education.
- VLADIMIR TOLSTOUCHOV, Th.D., Assistant Professor of Slavic Languages.
- DONALD E. TOPE, Ph.D., Professor of Education.
- DALE H. TROXEL, M.S., Teacher, McLoughlin Junior High School, Vancouver, Washington; Visiting Instructor in Education.
- J. LLOYD TRUMP, Ph.D., Associate Secretary, National Association of Secondary School Principals; Visiting Professor of Education.
- E. EDWARD TYLER, M.S., Vice-Principal, Reedsport High School, Reedsport, Oregon; Visiting Instructor in Education.
- ROBERT S. VAGNER, M.A., M.Mus., Professor of Music; Director of Bands.
- DONALD VAN ROSSEN, M.Ed., Instructor in Physical Education; Swimming Coach.
- MAX WALES, M.A., Associate Professor of Journalism.
- DWIGHT T. WALLACE, Ph.D., Assistant Professor of Anthropology.
- PAUL R. WASHKE, Ph.D., Professor of Physical Education.
- EVELYN S. WATSON, B.A., Instructor in Education.
- ANDREW KINGSLEY WEATHERHEAD, Ph.D., Assistant Professor of English.
- CARL C. WEBB, M.A., Associate Professor of Journalism.
- KENNETH W. WEGNER, Ed.D., Assistant Professor of Education.
- DONALD O. WELLS, Ph.D., Assistant Professor of Physics.
- KATHRYN I. WHYTE, B.A., Instructor in Education.
- ROGER C. WILEY, M.S., Instructor in Physical Education.
- RUTH WILLARD, Ed.D., Associate Professor of Education.
- LAWRENCE H. WISMER, M.A., Instructor in Speech.
- LES G. WOLF, B.S., Teacher, Douglas High School, Winston, Oregon; Visiting Instructor in Education.
- DONALD I. WOOD, Ed.D., Professor of Education, Rice University; Visiting Professor of Education.
- KENNETH S. WOOD, Ph.D., Professor of Speech; Director, Speech and Hearing Clinic.
- JANET G. WOODRUFF, M.A., Professor of Physical Education.
- BEATRICE WRIGHT, Ph.D., Professor of Psychology, University of Kansas; Visiting Professor of Education.
- LOIS YOUNGEN, M.S., Assistant Professor of Physical Education.
- WALTER L. YOUNGQUIST, Ph.D., Professor of Geology.
- ARNULF ZWEIG, Ph.D., Assistant Professor of Philosophy.

Summer Session Calendar

JUNE 11. Registration for pre-session workshops.

JUNE 18. Registration for regular summer session courses.

(Materials available at the Registrar's Office during the week of June 11.)

JUNE 19. Classes begin.

JUNE 20. Last day for payment of registration fee without penalty.

JULY 4. Independence Day, holiday.

JULY 16. Last day to file doctoral dissertations.

JULY 26. Last day to file master's theses.

AUGUST 9-10. Final examinations for eight-week courses.

AUGUST 11. Commencement Exercises.

AUGUST 13-24. Post session.

AUGUST 30-31. Final examinations for eleven-week courses.

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.

Seattle World's Fair: Two trips to the Seattle World's Fair are planned during the summer, each leaving on a Friday afternoon and returning on Sunday evening. Tour members will have the opportunity of spending a day and a half at the fair, plus the experience of seeing a good deal of the scenic beauty of both the states of Oregon and Washington.

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.

The Summer Program

During the summer of 1962 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 1962 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 requirements for the M.A. and M.S. degrees (and all other master's degrees except the M.Ed.) 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.

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

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

Secondary-School Teaching. The state of Oregon will grant a one-year provisional certificate for secondary-school teaching to a person who holds a bachelor's degree and who has completed a minimum of 21 term hours of work in education, at least 9 hours of which are for student teaching. Provisional certification may be continued for a maximum period of five years, if, during each of these five years, the teacher earns not less than 9 term hours in properly selected college courses at the upper-division or graduate level. On the completion of 45 term hours of selected work as a graduate student, the teacher is eligible for regular

certification. A total of 36 term hours of work in education, including undergraduate and graduate courses, is required for the regular certificate.

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 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. In addition, the University offers departmental master's degrees in a wide variety of teaching fields. Work toward these degrees

is admirably fitted to the need of persons who wish to limit preparation to one field. At the option of the department, a thesis may or may not be required. Many departments offer programs for the master's degree both with thesis and without thesis.

A third type of master's degree is the M.Ed. which fits 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.

Post Session

There will be a two-week post session for graduate students in education from August 13 to 24. Credit may be earned in Reading and Conference (Ed 505).

Student Council Workshop. The eleventh and twelfth Student Council Workshops, sponsored jointly by the Oregon Association of Secondary School Principals, the Oregon State Department of Education, and the University of Oregon will be held August 5-10 and August 12-17, respectively. An adult section will be organized in connection with each of these workshops. Students enrolled in the course in School Activities will comprise the adult section in the first workshop. Enrollment in the second workshop is open to other graduate students.

Registration Procedure

Students will register for the summer session on Monday, June 18; classes will begin Tuesday morning, June 19. 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 the pre-session workshops will be on June 11.

Students who reside in the Eugene area may obtain their registration materials at the Registrar's Office, Emerald Hall, during the week of June 11. They will thus be able to confer with their advisers and fill out cards in advance of the regular registration day. Fees for the regular summer session will, however, not be assessed or paid until Monday, June 18.

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 Busi-

ness 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, 8-week session.....\$100.00
 Registration fee, 11-week session.....\$150.00
 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 20.

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 feessee page 64

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 will be 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 rooms are available.

Blankets and bed linen, and the laundry of these items, are furnished by the halls. 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; however, charges are made 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
Eleven-week session	\$88.00	\$115.50
Eight-week session	64.00	84.00	\$97.50
Seven-week session	56.00	73.50	86.50
Six-week session	48.00	63.00	75.50
Five-week session	40.00	52.50	64.50
Four-week session	32.00	42.00	52.50
Three-week session	24.00	31.50	40.25
Two-week session	16.00	21.00	27.90
One-week session	10.50	15.00	13.95
Daily board:	2.00	2.50	3.10
Breakfast85
Lunch85
Dinner			1.40

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 27.

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 27 or if the second installment is not paid by July 27.

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 17. 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 18. The dormitories will close at 7:00 p.m. on Friday, August 10, for the eight-week session and at 7:00 p.m. on Friday, August 31, for the eleven-week session. The last meal served will be the evening meal on Friday, August 10, for the eight-week session and on Friday, August 31, 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 Office of Student Affairs after June 1.

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

Married students may also obtain rooms in the dormitories.

Undergraduate Housing Rules. The rules regarding housing which prevail

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

during the regular academic year are applicable to undergraduate students during the summer session. Mature undergraduate teachers are excepted from these rules.

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

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

General Information

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

Recreation. Everyone who enjoys the outdoors should come prepared to take part in the recreational program sponsored by the University. There will be hikes and picnics, golf, tennis, pingpong, outdoor volleyball, playground baseball, indoor evening games, swimming, and social dancing. It is suggested that students bring tennis rackets and golf clubs. There are excellent opportunities for these sports on the University campus and nearby courses.

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

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, June 17-30, will be for band students. The second, July 1-July 14, will be for orchestra students. Observation of the rehearsals of these high school groups will be interesting and valuable to high school music teachers.

The Summer Sun, a weekly newspaper devoted to summer session news, is 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 system of the Oregon State System of Higher Education. Lower-division (freshman and sophomore) courses are numbered below 300. Upper-division (junior and senior) courses are numbered from 300 to 499. Graduate courses are numbered 500-599. A large (G) following the name of a 400 course indicates that the course may be taken for either major or minor graduate credit. A small (g) following the name of a 400 course indicates that the course is approved for graduate minor credit only.

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

University Placement. The University maintains a centralized office, the University Placement Service, which assists graduates or alumni in securing new

or better positions in education, business, or government. The office is located 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.

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: Development of Business Education Programs for the Academically Talented.** 3 hours. June 18-29.
- BEd 508. Workshop: Basic Business Economic Education.** 3 hours. July 23-August 3.
- BEd 508. Workshop: Secretarial Science.** 3 hours. July 30-August 10.
- FBE 508. Workshop: Economic Education Workshop.** 6 hours. June 18-July 13.
- Ed 508. Workshop: Elementary Education.** 3 hours. June 18-29.
- Ed 508. Workshop: The Student Council.** 3 hours. August 12-24.
- Ed 508. Workshop: Teaching Geography in the Junior High School.** 3 hours. June 18-July 13.
- Ed 508. Workshop: Secondary School Administration.** 1-2 hours. July 16-20.
- Ed 508. Workshop: The Physically Handicapped.** 5 hours. July 2-13.
- Ed 508. Workshop: Program for the Able and Gifted.** 3 hours. June 18-29.
- Ed 508. Workshop: Problems of School Administration.** 6 hours. July 16-August 10.
- Ed 508. Workshop: Financing Education in the Decade Ahead.** 2 hours. July 9-18.
- Eng, Ed 508. Workshop: Historical Linguistics.** 3 hours. June 18-29.
- HE 407, 507. Seminar: Health Science.** 2-3 hours. June 11-16.
- PE 408. Workshop: Secondary-School and College Physical Education.** 1-6 hours. June 18-July 6.
- PE 408, 508. Workshop: Elementary School Rhythms.** 2-3 hours. June 11-16.
- PE 406. Coaching Clinic.** 2 hours. June 11-15.
- MuE 408. Workshop in Comparative Music Education.** 3 hours. July 2-13.
- MuE 408. Workshop in General Music.** 3 hours. July 2-13.
- MuE 408. Workshop: Musical Improvisation as a Tool for Music Teaching.** 3 hours. July 16-27.
- Mus 408. Workshop: Choral Literature and Interpretation.** 3 hours. July 16-27.
- Psy 508. Workshop: Clinical Work with Children.** 3 hours. June 18-August 10.
- Sp 508. Workshop: Educational Television.** 4 hours. June 11-22.
- High School Music Summer Session.** Band, June 17-30; Orchestra, July 1-14.
- Mathematics Institute.** June 18-August 10.
- World Affairs Program.** June 18-August 10.
- Summer Institute in Physical Science for Elementary-School Teachers.** June 18-August 10.
- Summer Institute in Biological Science.** June 18-August 10.
- Oregon Institute of Marine Biology.** June 18-August 10.
- Juvenile Courts Program.** August 20-24.
- Summer Academy of Contemporary Arts.** Contemporary Dance. June 18-28. Contemporary Literature. July 30-August 8. Contemporary Music. July 16-26. Contemporary Design. July 2-12. Contemporary Drama. July 30-August 8.

Eleven-Week Session

An eleven-week session designed to offer a full term's work will become an integral part of the 1962 summer session. This program is designed particularly for freshman and sophomore students interested in completing a four-year college program in three years. The courses listed below are offered in the 1962 session. These courses will run for a full eleven weeks from June 18 to August 31. A student may take a full term's work, normally 16 hours, by selecting a program among these courses.

Biology

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

First four weeks, June 18 to July 13. Fundamental principles of life science illustrated by studies of structure, function, and evolution of animals and plants. Part of a three-term sequence; students should not break the sequence. 7:30-9:00 daily; lab, 9-12 TuThF. Erickson, Hindman.

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

Second four weeks, July 16 to August 10. Continuation of Bi 101. 7:30-9:00 daily; lab, 9-12 TuThF. Erickson, Hindman.

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

Three weeks, August 13 to 31. Continuation of Bi 103. 8-10 daily; lab, 10-12 daily. Erickson, Hindman.

Business Administration

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

This is a combined course covering 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. An introductory study of the accounting process, accounting concepts, valuation problems, income determination, and analysis of cost information. 9 daily. Harwood.

BS 232. Business Statistics. 5 hours.

Introduction to the applications of statistics to decision making in the functional areas of business administration; compilation of data for managerial use; index numbers; time-series analysis; elements of probability and introduction to statistical inference. 8 MTuWThF. Christy.

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. 7-9 TuTh. Robert.

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. 10 MWF.

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. 1 MWF.

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. 11 MWF. Lawrence.

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. 9 MWF. Nolte.

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

Anglo-Saxon beginnings to the Renaissance. 9 MWF. Lawrence.

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. 2 MWF. Nolte.

Eng 201. Shakespeare (First Term). 3 hours.

10 MWF. Svendsen.

Foreign Languages

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

First four weeks, June 18 to July 13. 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. McWilliams.

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

Second four weeks, July 16 to August 10. Continuation of GL 50. Equivalent of the second term of First-Year German given during the regular academic year. 8-10 daily. McWilliams.

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

Three weeks, August 13-31. Continuation of GL 51. Completion of the sequence 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. McWilliams.

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

First four weeks, June 18 to July 13. 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. Solinis.

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

Second four weeks, July 16 to August 10. Continuation of RL 50. Equivalent of the second term of First-Year French given during the regular academic year. 8-10 daily. Solinis.

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

Three weeks, August 13-31. 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. Solinis.

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

First four weeks, June 18 to July 13. The elements of the Russian language. Elementary reading, composition, and conversation. 8-10 daily. Tolstouchov.

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

Second four weeks, July 16 to August 10. Continuation of SL 50. Equivalent of the second term of First-Year Russian given during the regular academic year. 8-10 daily. Tolstouchov.

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

Three weeks, August 13-31. 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. Tolstouchov.

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

First four weeks, June 18 to July 13. 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. Powers.

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

Second four weeks, July 16 to August 10. Continuation of RL 60. Equivalent of the second term of First-Year Spanish given during the regular academic year. 10-12 daily. Powers.

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

Three weeks, August 13-31. 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. Powers.

History

Hst 101. History of Western Civilization. 3 hours.

Origin and development of Western civilization in the ancient and medieval periods. First term of a year sequence. 11 MWTh. Shanahan.

Hst 201. History of the United States. 3 hours.

The thirteen colonies, the American Revolution, and the United States to about 1840. First term of a year sequence. 1 MWTh. Throckmorton.

Hst 203. History of the United States. 3 hours.

The United States in the twentieth century. Third term of a year sequence. 11 MWTh. Throckmorton.

Hst 303. Europe since 1789. 3 hours.

Political, social, economic, and cultural trends from 1918 to the present. 9 MWTh. Shanahan.

Mathematics

Mth 10. Elements of Algebra. No credit.

Intended for students who have had less than one year of high-school algebra. 8 daily.

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 daily.

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 daily.

Mth 105. Introductory College Mathematics. 4 hours.

The second term of the standard freshman course. Primarily analytic geometry. Prerequisite: trigonometry. 10 daily.

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. 9 daily.

Physics

Ph 204. General Physics Laboratory. 1 hour.

1-3 M. Powell.

Ph 205. General Physics Laboratory. 1 hour.

1-3 Tu. Powell.

Ph 206. General Physics Laboratory. 1 hour.

1-3 W. Powell.

Political Science

PS 205. International Relations. 3 hours.

An introductory course presenting intellectual tools for the analysis of relations among nations; the nature of international relations. Contemporary issues for reference and illustration. 1 MWF. Sheldon.

Speech

Sp 111. Fundamentals of Speech. 3 hours.

Projects in extempore speaking. Primary emphasis on content, organization, and adjustment to the speaking situation. 2 MWF. Cohen.

Eight-Week Session

Anthropology

Assistant Professor: WALLACE.

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

Anth 418. **The American Indian.** (G) 3 hours.

Indian life in Central America, primarily before white contact. Attention to contemporary problems arising from the impact of modern culture on the Indian way of life. Prerequisite: 9 hours of anthropology or consent of instructor. 11 MTuWTh. Wallace.

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

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

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

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

The background and perspectives of each of the social-science disciplines—anthropology, economics, political science, psychology, and sociology. Selected aspects of social organization and processes considered in detail. 8-10 daily. Wallace, Koplin, Tope, Foskett, Goldstein, Fosmire.

Architecture and Allied Arts

Visiting Faculty: BRAUN, FULLER, MASLEY.

Associate Professors: ANDREWS, BALLINGER, BRYAN.

Assistant Professors: CHO, DI GIUSTO, DOLE, JAMES, NIXON, RYAN, SOEDER.

Instructor: GEHRING.

Applied Design*

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

Introduction to ceramic techniques and materials. Throwing, molding, and hand building. Surface decoration of two- and three-dimensional surfaces. Students participate in stacking, firing, and drawing the kiln. Open to non-majors. 3-5 MTuWTh. James.

AA 256. **Beginning Weaving.** 1-3 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 eight-harness looms. 1-3 MTuWTh. Nixon.

AA 257. **Metalwork and Jewelry.** 1-3 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.** 5 hours.

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

* Students may enroll for the first four weeks or for the eight-week period in the Applied Design and Drawing and Painting areas.

- AA 437. **Contemporary Design.** (G) 1-2 hours.
July 2-12. The impact of science and technology on the concept of form and function. The consequences and anticipations in this century of the "trend toward invisibility." 3-5 MTuWTh. Fuller.
- AA 455. **Advanced Ceramics.** (G) 1-3 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 and glaze. Students assume responsibility for firing own work. Prerequisite: 6 hours in AA 255. 1-3 MTuWTh. James.
- AA 456. **Advanced Weaving.** (G) 1-3 hours.
Emphasis on creative work. Production of a wide variety of handwoven fabrics. Historical studies, fabric analysis, spinning, and dyeing. 1-3 MTuWTh. Nixon.
- AA 457. **Advanced Metalwork and Jewelry.** (G) 1-3 hours.
Emphasis on creative work. Advanced problems in forging, sand and centrifuge casting, enameling, etching, repousse, and tool making. 10-12 MTuWTh. Nixon.
- AA 501. **Special Studies: Problems in Ceramics.** Hours to be arranged.
- AA 505. **Reading and Conference.** Hours to be arranged.

Architecture

- AA 401. **Special Studies: Architecture.** 5 hours.
No-grade course. The planning and design of urban housing facilities; analysis of current project-production practices, investigation of modes of dwelling unit financing and ownership; and programming community growth to extend cultural amenity. 8-12 daily. Bryan.
- AA 501. **Special Studies: Architectural Design.** Hours to be arranged.
No-grade course. Offered for students nearing completion of their major program who wish to accelerate advancement toward graduation. Terminal-project candidates planning to enroll should be recommended by their committee chairman. 8-12 daily. Andrews, Cho, Dole.

Art Education

- ArE 401. **Special Studies: Art in the Elementary School Curriculum.** 2-3 hours.
First four weeks, June 18-July 13. A critical examination of the significance of art experiences for teacher and student in the primary and intermediate grades. Lectures and laboratory. 8-10 MTuWTh. Gehring.
- ArE 401. **Special Studies: Art History in the Secondary-School Curriculum.** (G) 3 hours.
Teaching of art history in the secondary-school instructional program; historical and critical approaches to the study of painting, sculpture, and architecture. Illustrated lectures, readings, and class discussions. Of particular interest to librarians, history, art, and social science teachers. 1 MTuWTh. Braun.
- ArE 405. **Reading and Conference.** Hours to be arranged.
- ArE 409. **Practicum: Art Experiences in the Curriculum for the Mentally Retarded Child.** (G) 3 hours.
Two weeks, July 30-August 10. A lecture-laboratory course for the study of creative experiences for teachers of children diagnosed as mentally retarded. Problem-solving activities using art materials. Growth and development as this pertains to retardation. Graduate credit may be earned by the experienced teacher. 1-2 daily; lab, 8-12 daily. Gehring.

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

Six weeks, June 18-July 27. 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: Art in the Secondary-School Curriculum.** 2-3 hours.

Six weeks, July 2-August 10. A study of significant art experiences for junior and senior high-school students. Laboratory, lecture, and discussion periods. 10-12 MTuWTh. Masley.

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

ArE 507. **Seminar: Art in Education, an American Dilemma.** 2 hours.

Second four weeks, July 16-August 10. An examination of art on the contemporary scene. Science, the arts, and the pursuit of excellence. The public-school curriculum and the renaissance of quality education. Required of all graduate art students in the interdisciplinary studies program. 8-10 TuWTh. Masley.

Drawing and Painting*

AA 290. **Painting.** 2-4 hours.

Instruction in the use of water color, oil, and other media. 9-12 MTuWTh, Ryan; 1-4 MTuWTh. Soeder.

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 MuTuWTh, Soeder; 1-4 MTuWTh, Ryan.

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

Advanced work in drawing. Study of form from the figure. Prerequisite: 6 hours in lower-division drawing or consent of instructor. 9-12 MTuWTh, Ryan; 1-4 MTuWTh, Soeder.

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

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

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

AA 590. **Graduate Studies in Painting.** 2-4 hours.

Work at an advanced level, with problems of color and form, techniques, processes, and visual theories. Hours to be arranged. Ryan.

History of Art

AA 401. **Special Studies: Modern Art.** (G) 3 hours.

A comprehensive study and analysis of the art of the twentieth century; particular emphasis on architecture, painting, and sculpture. 11 MTuWTh. Braun.

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

Teaching of art history in the secondary-school instructional program; historical and critical approaches to the study of painting, sculpture, and architecture. Illustrated lectures, readings, and class discussions. Of particular interest to librarians, history, art, and social science teachers. 1 MTuWTh. Braun.

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

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

* Students may enroll for the first four weeks or the eight-week period in the Applied Design and Drawing and Painting areas.

Sculpture

AA 293. Elementary Sculpture. 1-3 hours.

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

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. 1-3 MTuWTh. Di Giusto.

Biology

Visiting Faculty: FRITCHMAN, GIBLEY, HINDMAN, OBERTEUFFER, PRITCHARD, RUMELY, SPARLING.

Professors: CLANCY, HUESTIS, RISLEY.

Associate Professor: FRANK.

Assistant Professors: CASTENHOLZ, MCCONNAUGHEY.

Instructors: ADDOR, ERICKSON.

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 (see offerings for eleven-week session, p. 27).

Bi 101. General Biology. 4 hours.

First four weeks, June 18 to July 13. Fundamental principles of life science illustrated by studies of structure, function, and evolution of animals and plants. Part of a three-term sequence course; students should not break the sequence unless they have taken one or two terms previously, in which case they should first consult the instructor; the content has been rearranged recently. 7:30-9:00 daily; lab, 9-12 TuThF. Erickson, Hindman.

Bi 102. General Biology. 4 hours.

Second four weeks, July 16 to August 10. Continuation of Bi 101. 7:30-9:00 daily; lab, 9-12 TuThF. Erickson, Hindman.

Bi 355. Comparative Anatomy. 4 hours.

A survey, based upon careful study of the amphibian and the mammal, of how the primitive vertebrate body plan has been modified, in time, to meet the demands of new environments. Students given adequate practice in dissection and in the interpretation of serial sections. Secondary teachers may enroll in Bi 595. 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. Seminar. Hours to be arranged.

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

Bi 422. Introduction to Genetics. (G) 3 hours.

An introduction to the fundamental principles of genetics. 1 MWF; 1 hour to be arranged. Clancy.

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

Breeding experiments with the fruit fly, *Drosophila melanogaster*. Particular attention to the needs of biology teachers in secondary schools. 2-5 MWF. Clancy.

Bi 428. Cytology. (G) 4 hours.

Problems and methods of cytology; behavior of cell structures in relation to development and growth; ultramicroscopic structure. 8 MWF; lab, 9-12 MWF. Risley.

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 drawn primarily from western Oregon, but methods are of general applicability. The course content includes material directly usable in the public schools. Lectures, laboratory, and field work. 1-5 TuTh. Rumely.

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. Prerequisite: consent of instructor. 1-5 MW and several field trips. Oberbauer.

Bi 595. Advanced Vertebrate Anatomy. 4 hours.

A survey, based on careful study of the amphibian and the mammal, of how the primitive vertebrate body plan has been modified, in time, to meet the demands of new environments. Students will be given adequate practice in dissection and in the interpretation of serial sections. Enrollment restricted to high-school teachers. 8 MWF; lab, 9-12 MWF. Huestis.

Bi 597. Advanced Biology. 4 hours.

Survey of recent advances in the study of cell structure, mitosis, meiosis, chromosome structure, chemistry of heredity, human heredity, transmission of information in the central nervous system, nature of the nerve impulse, cellular respiration, photosynthesis, ecology, and morphology. Enrollment restricted to high-school teachers. 9:30-12 TuTh. Staff.

Oregon Institute of Marine Biology

The courses listed below will be offered at the Oregon Institute of Marine Biology, Charleston, Oregon. Detailed description of these courses is 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, Eugene.

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

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

Bi 407, 507. **Seminar.** 1 hour.

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

Bi 414. **Comparative Physiology.** (G) 4 hours.

Discussion of feeding, digestion, metabolism respiration, circulation, water and salt balance, excretion, and coordination among the major animal groups.

Prerequisite: college zoology and elementary chemistry; invertebrate zoology and quantitative analysis recommended. Pritchard.

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

Lectures. Survey of representative invertebrate groups, with emphasis on marine forms; morphology, systematics, ecology, and life histories. McConnaughey.

Bi 468. **Invertebrate Embryology.** (G) 4 hours.

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

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

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

Business Administration

Visiting Faculty: GILLIAM, LAMB, McCARTHY, MCGILL.

Professor: BURRELL.

Associate Professors: BEAL, MALTER, RICHINS, ROBERT.

Assistant Professors: CHRISTY, HARWOOD.

Instructor: MARNIX.

Business Education and Secretarial Science

BEd 508. **Workshop: Business Education for the Academically Talented.** 3 hours.

June 18-29. Analysis of methods and techniques of instruction which are effective in teaching business-education courses for the academically talented students. A study of the specific application of methods to the courses commonly offered in the business curriculum. 1-2 daily. McGill.

BEd 508. **Workshop: Basic Business and Economic Education.** 3 hours.

July 23-August 3. Instructional materials; techniques and methodology; development of units; review of literature; recent developments. 9-12 daily. Gilliam.

BEd 508. **Workshop: Secretarial Training.** 3 hours.

July 30-August 10. The upgrading of secretarial training; curriculum evaluation; selection and classification of students; improvement of instruction through the use of modern teaching aids; grading practices; and evaluation of training. 1-4 daily. Lamb.

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. 9 daily. Marnix.

SS 122. Typing. 2 hours.

Principles of touch typing; emphasis on skill development, with stress on speed and accuracy; preparation of various business forms. 9 daily. Marnix.

SS 211. Applied Stenography. 2 hours.

July 16-27. A refresher course for the improvement of secretarial skills and procedures. Topics covered include a review of stenographic skills—typing, dictation, transcription, English usage. Special attention to individual problems of class members. 7-9 daily. Marnix.

SS 324. Office Practice. 2 hours.

June 18-29. Advanced secretarial instruction; duplicating machines; voice-writing machines; electric typing. 1-3 daily. Marnix.

Finance and Business Economics

FBE 320. Financial Institutions. 5 hours.

Concerned with the savings of society and the functions and economic significance of the important financial institutions in our economy that make funds available to consumers, businesses, and governments. 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 providing the nation's money supply. Attention also given to the nature and functions of money and credit and the interrelationship of money, credit, and prices as they affect business decisions. Prerequisite: Ec 201, 202, 203. 7-9 MWF. Burrell.

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. Prerequisite: Ec 201, 202, 203; Ac 211, 212, 213. 10-12 MWF. Burrell.

FBE 466. Business Fluctuation and Expansion. (G) 5 hours.

Designed to provide a basis for successful planning in a dynamic business environment. Analysis of forces that cause pervasive fluctuations in aggregate business activity. Consideration given to the effects of these fluctuations on individual business firms and industries. Study of the relationships among long-run trends and shorter cycles. Critical evaluation of 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. Prerequisite: senior standing. 9-11 MWF. Christy.

FBE 508. Workshop: Economic Education Workshop. 6 hours.

First four weeks, June 18-July 13. 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 primarily for principals, supervisors, and experienced teachers responsible for social study areas where economic education is taught. 7:30-11, 12-3 daily. Richins, Malter.

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. Integra-

tion of economic principles with various areas of business administration; the role of uncertainty given particular attention. 12 MTuThF. 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. 10-12 MWF. McCarthy.

MIM 412. **Personnel Management.** (g) 3 hours.

Personnel management in the modern business organization; personnel policies and practices conducive to good relations with employees; personnel problems of small organizations. 7-9 TuTh. Beal.

MIM 414. **Problems in Personnel Management.** (g) 3 hours.

Major areas of personnel policy determination, with special emphasis on relations with organized employees at the enterprise level and within the enterprise. The impact of union practices on personnel policy and procedures in both unionized and nonunion enterprises. Prerequisite: MIM 412 or consent of the instructor. 10-12 TuTh. Beal.

MIM 507. **Seminar: Marketing.** 4 hours.

Advanced problems in marketing for graduate students. 8 daily. McCarthy.

MIM 531. **Theory of Business Organization.** 3 hours.

Development of the management role in business since 1900; principles of organization as they apply to lines of authority and responsibility in the business firm; planning and communicating personal leadership and judgment; development of standards in business organization. 1-3 TuTh. Beal.

Chemistry

Visiting Faculty: FRYE.

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

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. Frye.

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 8-11 W. Frye.

Economics

Professor: MACY.

Associate Professors: KOPLIN, SIEGEL.

Lecturer: BLUMEL.

Ec 201. Principles of Economics. 3 hours.

Economic resources and institutions; income determination and economic stabilization; government financial operations. 10 MTuWTh. Blumel.

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) 3-4 hours.

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

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

Selected current economic problems in the United States; analysis and evaluation of proposed solutions. 8 daily. Blumel.

Ec 450. Comparative Economic Systems. (g) 2 hours.

First four weeks, June 18-July 13. A comparison of capitalism and other economic systems. 10 daily. Siegel.

Ec 451. Comparative Economic Systems. (g) 2 hours.

Second four weeks, July 16-August 10. Continuation of Ec 450. 10 daily. Siegel.

Ec 461. Government Control of Private Business. (G) 3-4 hours.

Survey of government regulation of business in the United States; historical development, present scope, economic and philosophic bases. 11 MTuWTh. Koplin.

Ec 501. Research. Hours to be arranged.

Macy, Siegel.

Ec 503. Thesis. Hours to be arranged.

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

Macy, 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. Koplin, Wallace, Tope, Foskett, Fosmire, Goldstein.

Ec 507. Seminar: Problems of Development Administration. 8 hours.

Problems of development administration in Southeast Asia, with other illustrative examples and studies; economic, political, and social development and the various mechanisms used for such purposes. Faculty participants will include persons who have had practical experience in development assistance programs. Students will share research responsibilities with senior faculty members. May not be taken as credit toward advanced degrees by candidates in economics. 10-12 daily. Gange, Allen, staff.

Education

Visiting Faculty: ANDERSON, AULD, CONWAY, GILLETT, HALL, HALLMAN, HINZE, JAEGER, LARSON, LOUGHRY, McCLAIN, McDONALD, MILLER, ODOM, POND, THOMPSON, WOOD, WRIGHT.

Professors: BREEN, CASTELL, CLARKE, DUBIN, FOSKETT, GOLDHAMMER, HEARN, HINES, JACOBSON, KAMBLY, MACY, ROMNEY, RUMMEL, SANDIN, TOPE.

Associate Professors: CANDLAND, DILS, DYKSTRA, FOSMIRE, GRAHAM, HILL, KOPLIN, LENT, LOWE, WILLARD.

Assistant Professors: ACKER, BERRYHILL, CHRONISTER, KEHL, LALLAS, LOVELL, MARQUIS, MATTSON, PRICE, SCHMINKE, SUTTLE, TIMMONS, WALLACE, WEGNER.

Instructors: BACHMAN, CHRISTENSEN, CONANT, GEHRING, GOLDSTEIN, PEAVY, SMITH, WATSON, WHYTE.

General Education

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

Education as a career; function of education in a democracy; curriculum and organization of schools; current educational trends and contemporary problems; financing public education; the characteristics, needs, and interests of pupils by age groupings, general principles of growth and learning, and relation to current practices. 2 MTuWTh. Tope.

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

Integrates the subject matter and experiences formerly included in Ed 311 and 312; acceptable instead of these two courses for teacher certification. Understanding children's behavior at various developmental levels; learning theories applicable to classroom situations; various forces affecting learning and conditions upon which learning most efficiently takes place; methods of understanding children in groups. Prerequisite: Psy 201. 8-10 MTuWTh. Peavy.

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.

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

Forms and techniques of public speaking as they relate to leadership in special situations; forums, symposiums; panels; parliamentary procedures; speeches to convince, inspire, actuate. Special attention to needs of administrative personnel. Class conducted on a workshop basis. 10 MTuWTh. Dahlberg.

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

First four weeks, June 18-July 13. 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. 3-5 daily. McDonald.

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. 10 MTuWTh. Breen.

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

Examination of educational philosophies proposed by recent leaders and critics

Class Schedule by Hours

Eight-Week Session

7:00 to 9:00 a.m.

<i>Number</i>	<i>Course Title</i>	<i>Instructor</i>
FBE 320.	Financial Institutions (MWF)	Burrell
MIM 412.	Personnel Management. (TuTh)	Beal

8:00 a.m.

Bi 355.	Comparative Anatomy. (MWF; lab 9-12 MWF)	Huestis
Bi 428.	Cytology. (MWF; lab 9-12 MWF)	Risley
Bi 595.	Advanced Vertebrate Anatomy. (MWF; lab 9-12 MW)	Huestis
MIM 436.	Retail Store Management. (Daily)	McCarthy
Ec 417.	Contemporary Economic Problems. (Daily)	Blumel
Ed 407.	Seminar: Corrective Reading. (Daily)	Gillett, McClain, Thompson
Ed 465.	Diagnostic and Corrective Techniques in the Basic Skills. (MTuWTh)	Chronister
Ed 507.	Seminar: School Personnel Policies and Procedures. (MTuWTh)	Dils
Ed 507.	Seminar: Reading Instruction for Intermediate Grades. (Daily)	Willard
Wr 216.	Expository Writing. (TuWThF)	Cadbury
Wr 411.	Composition for Teachers. (TuWThF)	O'Neil
Eng 444.	Milton (TuWThF)	Svensden
RL 405, 505.	Reading and Conference: Advanced French Grammar and Composition. (MTuWTh)	Hartle
Geog 105.	Introductory Geography. (MTuWTh)	Kaatz
PE 420.	Methods in Elementary-School Physical Education. (TuWThF)	Munson
PE 551.	Administration of Physical Education. (TuWThF)	Esslinger
HE 464.	Health Instruction. (TuWThF)	McMurdo
Hst 424.	Early Modern Europe. (MTuWTh)	Carter
Hst 441.	History of France. (MTuWTh)	de Luna
Mth 111.	Mathematics for Elementary Teachers. (Daily)	Sherman
Mth 498.	Analysis. (Daily)	Maier
Mth 599.	Analysis. (Daily)	Moursund
Mus 395.	Band. (Daily)	Vagner
Mus 407.	Seminar: Comparative Arts. (MTuWTh)	Cykler
Phl 203.	Elementary Logic. (MTuWTh)	Zweig
PS 201.	American Government. (MTuWTh)	Mitchell
PS 451.	Comparative European Government: The Politics of Education. (MTuWTh)	Marquis
Psy 201.	General Psychology. (MTuWTh)	
Psy 421.	Principles and Methods of Psychological Assessment. (MTuWTh)	Breger
Sp 112.	Fundamentals of Speech. (MTuWTh)	Dahlberg
Sp 448.	Radio-Television and the Public. (MTuWTh)	Shepherd
Sp 551.	Theory of Dramatic Production. (MTuWTh)	Robinson

8:00 to 10:00 a.m.

Anth, Ed, PS,		
Soc, Psy, Ec 507.	Seminar: Scope and Methods of the Social Sciences. (Daily)	Tope, Wallace, Koplin, Foskett, Goldstein, Fosome
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)	Peavy
Soc 308.	World Population and Social Structure. (TuTh)	Martin

8:00 to 12:00 a.m.

AA 401.	Special Studies: Architecture. (Daily)	Bryan
AA 501.	Special Studies: Architectural Design. (Daily)	Andrews, Cho, Dole

9:00 a.m.

SS 121.	Typing. (Daily)	Marnix
SS 122.	Typing. (Daily)	Marnix
Ec 318.	Money and Banking. (MTuWTh)	Siegel
Ec 407.	Seminar: Principles and Problems of Government Finance. (MTuWTh)	Macy
Ed 424.	Measurement in Education. (MTuWTh)	Acker
Ed 468.	Diagnostic and Remedial Techniques in Reading. (MTuWTh)	Hill
Ed 522.	Secondary-School Curriculum (MTuWTh)	Miller
Ed 526.	High-School Counseling. (MTuWTh)	Lallas
Ed 529.	Advanced Educational Psychology. (MTuW)	Lovell
Ed 565.	Curriculum Foundations. (MTuWTh)	Graham
Ed 576.	School Buildings. (Daily)	Hines
Eng 412.	English Drama (second term). (TuWThF)	Horn
Eng 481.	Major American Writers (first term). (TuWThF)	Weatherhead
RL 405, 505.	Reading and Conference: Readings in Basic Writings in Hispanic Culture. (MTuWTh)	Powers
Geog 106.	Introductory Geography. (MTuWTh)	Kaatz

<i>Number</i>	<i>Course Title</i>	<i>Instructor</i>
Geol 291.	Rocks and Minerals. (MTuWTh)	Youngquist
PE 507.	Seminar: Philosophy of Physical Education. (TuWThF)	Davis
PE 515.	History and Theories of Physical Education. (TuWThF)	Washke
HE 465.	School Health Service. (TuWThF)	McMurdo
Hst 103.	History of Western Civilization (third term). (MTuWTh)	Birn
Hst 477.	History of the West. (MTuWTh)	Farnham
Hst 496.	History of China. (MTuWTh)	Dull
Mth 457.	Foundations of Arithmetic and Elementary Algebra. (Daily)	Jennings
MuE 407.	Seminar: Music History and Theory in the Secondary Schools. (MTuThF)	Gustafson
Mus 428.	Introduction to Musicology. (MTuThF)	Cydler
Phl 441.	Aesthetics. (MTuWTh)	Jessup
Ph 418.	Nuclear Physics. (Daily)	Powell
PS 205.	International Relations. (MTuWTh)	Fiszman
PS 442.	Foreign Policy of the Major Powers. (Daily)	Agger
PS 450.	Public Education and the New Politics of Discontent. (MTuWTh)	Agger
Psy 204.	Psychology of Adjustment. (MTuWTh)	Bregger
Psy 436.	Character and Personality. (MTuWTh)	Bregger
Soc 437.	Sociology of Race Relations. (MTuWTh)	Berreman
Sp 311.	Advanced Interpretation. (MTuW)	McGraw
Sp 370.	Phonetics. (MTuWTh)	Christensen
Sp 464.	History of the Theater. (MTuWTh)	Wismer

9:00 to 11:00 a.m.

FBE 466.	Business Fluctuations and Expansion. (MWF)	Christy
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9:00 a.m. to 12:00 noon

AA 290.	Painting. (MTuWTh)	Ryan
AA 490.	Advanced Painting. (MTuWTh)	Soeder
AA 491.	Advanced Drawing. (MTuWTh)	Ryan
BI 597.	Advanced Biology. (9:30-12 TuTh)	Staff
Ed 409.	Practicum: Corrective Reading. (Daily)	Gillett, McClain, Thompson

10:00 a.m.

Ch 429.	Survey of Analytical Chemistry. (MTuWTh; lab 2-5 MTuTh)	Frye
Ec 201.	Principles of Economics. (MTuWTh)	Blumel
Ed 314.	Principles of Secondary Teaching. (MTuWTh)	Kamely
Ed 354.	The Child and His Curriculum: Social Studies and Science. (Daily; lab 2-4 M)	Price
Ed 428.	Psychology of Reading Instruction. (MTuWTh)	Conant
Ed 439.	The Gifted Child. (MTuWTh)	Lovell
Ed 440.	History of Education. (MTuWTh)	Breen
Ed 507.	Publicity and Public Relations. (Daily)	Wales
Ed 528.	Testing in Schools and Colleges. (MTuWTh)	Christensen
Ed 564.	Mental Tests. (Daily)	Watson
Ed 573.	Public-School Organization. (Daily)	Timmons
Wr 111.	English Composition (first term). (TuWThF)	Cadbury
Eng 431.	Literature of the Renaissance. (TuWThF)	McNeir
Eng 451.	Eighteenth Century Literature (second term). (TuWThF)	Horn
RL 405, 505.	Reading and Conference: Advanced Readings in French Literature. (MTuWTh)	Beall
Geog 301.	Geography of Oregon and Pacific Northwest. (MTuWTh)	Dicken
Geol 455.	Problems in Physical Geology. (MTuWTh)	Youngquist
PE 533.	Techniques of Relaxation. (TuWThF)	Poley
PE 540.	Statistical Methods in Physical Education. (TuWThF)	Clarke
PE 180, 190.	Swimming. (MTuWTh)	Wiley
PE 380, 390.	Swimming. (MTuWTh)	Wiley
HE 252.	First Aid. (TuWThF)	Washke
Hst 202.	History of the United States. (MTuWTh)	Paul
Hst 419.	Studies in Western Civilization. (MTuWTh)	de Luna
Hst 479.	Forces and Influences in American History. (MTuWTh)	Bates
J 361.	Reporting. (MTuWTh)	Payne
Mth 425.	Elements of Statistical Methods. (MTuWTh)	Kozelka
MuE 407.	Seminar: Music in the Secondary School. (MTuThF)	Gustafson
Mus 408.	Seminar in Music History. (MTuThF)	Cydler
Mus 523.	Interpretation of Choral Literature. (MWF)	Risinger
Phl 303.	History of Philosophy (Modern Period). (MTuWTh)	Zweig
GS 104.	Physical Science Survey. (Daily)	Ellickson
PS 507.	Seminar: Theory and Nature of Democracy. (MTuWTh)	Mitchell
Psy 450.	Abnormal Psychology. (MTuWTh)	Bregger
Sp 241.	Fundamentals of Broadcasting. (MTuWTh)	Shepherd
Sp 315.	Costume Workshop. (MTuWTh)	Wismer
Sp 422.	British Oratory. (MTuWTh)	Cohen
Sp 424.	Speech Forms and Techniques in Group Control. (MTuWTh)	Dahlberg

10:00 a.m. to 12:00 noon

AA 457.	Advanced Metalwork and Jewelry. (MTuWTh)	Nixon
AA 293.	Elementary Sculpture. (MTuWTh)	Di Gusto
FBE 463.	Investments. (MWF)	Burrell

Number	Course Title	Instructor
MIM 323.	Elements of Marketing. (MWF)	McCarthy
MIM 414.	Problems in Personnel Management. (TuTh)	Beal
Ed, PS, Soc 507.	Seminar: Nature and Problems of Administrative Behavior. (MTuWTh)	Jacobson, Dubin, Dykstra, Marquis
PS, Ec 507.	Research Seminar on Problems of Development Administration. (Daily)	Gange, Allen

11:00 a.m.

Anth 418.	The American Indian. (MTuWTh)	Wallace
AA 401.	Special Studies: Modern Art. (MTuWTh)	Braun
Ch 439.	Survey of Organic Chemistry. (MTuWTh; lab 8-11 W)	Frye
Ec 461.	Government Control of Private Business. (MTuWTh)	Koplin
Ed 317.	Social Foundations of Teaching. (MTuWTh)	Graham
Ed 407.	Seminar: Reading in the Elementary School. (Daily)	Candland, Willard
Ed 446.	Modern Philosophies of Education. (MTuWTh)	Castell
Ed 462.	Psychology of Exceptional Children. (WTh; 11-1 Tu)	Mattson
Ed 485.	Principles and Practices of Guidance Services. (MTuWTh)	Christensen
Ed 507.	Seminar: Reading Instruction for Primary Grades. (Daily)	Candland
Ed 535.	Social Studies in the Elementary School. (Daily)	Willard
Ed 574.	School Supervision. (MTuWTh)	Miller
Eng 428.	Chaucer. (TuWThF)	O'Neil
Eng 488.	Literature for Teachers. (TuWThF)	Weatherhead
Eng 530.	Shakespeare. (TuWThF)	McNeir
GL 320.	Scientific German. (MTuWTh)	McWilliams
Geog 302.	Geography of North America. (MTuWTh)	Dicken
Geog 427.	Geography of the Soviet Union. (MTuWTh)	Kaatz
Geol 101.	General Geology. (MTuWTh)	Youngquist
PE 507.	Seminar: Critique in Physical Education. (TuWThF)	Davis
PE 517.	Methods of Research. (TuWThF)	Rhoda
PE 530.	Developmental Program in Physical Education. (TuWThF)	Clarke
PE 180, 190.	Swimming. (MTuWTh)	Wiley
PE 380, 390.	Swimming. (MTuWTh)	Wiley
HE 250.	Personal Health. (TuWThF)	Crooks
HE 506.	Special Problems: Traffic Safety. (TuWThF)	Haar
Hst 459.	The Era of Reconstruction. (MTuWTh)	Farnham
Hst 466.	Tudor England. (MTuWTh)	Carter
Hst 499.	History of Japan. (MTuWTh)	Dull
Mth 487.	Geometry. (Daily)	
MuE 332.	Violin and Viola. (TuTh)	Maves
MuE 347.	Clarinet and Saxophone. (TuTh)	Vagner
Mus 407.	Seminar: Orchestration. (MWF)	Keller
MuE 407.	Seminar: String-Instrument Techniques for Public Schools. (MWF)	Hladky
MuE 533.	Music in the Elementary School. (MTuThF)	Gustafson
Phl 435.	Existentialism. (MTuWTh)	Jessup
PS 414.	Political Parties and Public Opinion. (MTuWTh)	Goldstein
PS 427.	Government and Politics of the Soviet Union. (Daily)	Fizsman
Soc 204.	General Sociology. (MTuWTh)	Berberman
Soc 465.	Sociology of the Family. (MTuWTh)	Johannis
Sp 365.	Direction of Children's Theatre. (MTuWTh)	McGraw
Sp 411.	Speech for the Classroom Teacher. (MTuWTh)	Dahlberg
Sp 487.	Audiology. (MTuWTh)	Christensen

12:00 noon

FBE 530.	Managerial Economics. (MTuThF)	Richins
Ed 538.	Mathematics in the Elementary School. (Daily)	Schminke
PE 506.	Special Problems: Athletic Injuries. (MTuWTh)	Sigersteth

1:00 p.m.

ArE 401.	Special Studies: Art History in the Secondary-School Curriculum. (MTuWTh)	Braun
Bi 422.	Introduction to Genetics. (MWF)	Clancy
Ch 320.	Elementary Quantitative Analysis. (MTuWTh; lab 2-5 MTuTh)	Frye
Ed 469.	Reading in the High School and College. (MTuWTh)	Smith
Ed 476.	School Law and Organization. (MTuW)	Timmons
Ed 484.	The Junior High School. (MTuWTh)	Miller
Ed 488.	Educational and Vocational Guidance. (MTuWTh)	Christensen
Ed 512.	Research Procedures in Education. (TuWThF)	Rummel
Ed 525.	Theory and Technique of Educational Measurement. (MTuWTh)	Lovell
Ed 534.	Science in the Elementary School. (Daily)	Kambly
Ed 536.	Language Arts in the Elementary School. (Daily)	Price
Ed 572.	Public-School Administration. (Daily)	Ronney
Ed 594.	Methods in Secondary-School Mathematics. (MTuWTh)	Hall
Eng 394.	Twentieth Century Literature. (TuWThF)	Weatherhead
PE 516.	Intramural Organization and Management. (MTuWTh)	Washke
PE 553.	Psychology of Motor Skills. (Daily)	Brumbach
HE 450.	Elementary-School Health Education. (TuWThF)	McMurdo
HE 542.	Basic Issues in Health Education. (MTuWTh)	Haar

Number	Course Title	Instructor
Hst 481.	The United States in the Twentieth Century. (MTuWTh)	Bates
Mth 479.	Algebra. (Daily)	Moyles
Mus 397.	Chorus. (MTuWTh)	Risinger
MuE 407.	Seminar: Wind-Instrument Literature. (MWF)	Vagner
Sp 264, 265, 266.	Production Workshop. (MTuWTh)	Peck
Sp 507.	Seminar: Introduction to Graduate Study. (MTuWTh)	Cohen

1:00 to 3:00 p.m.

AA 256.	Beginning Weaving. (MTuWTh)	Nixon
AA 455.	Advanced Ceramics. (MTuWTh)	James
AA 456.	Advanced Weaving. (MTuWTh)	Nixon
AA 494.	Advanced Sculpture. (MTuWTh)	Di Giusto
MIM 531.	Theory of Business Organization. (TuTh)	Beal
Soc 407.	Seminar: Community Leadership Structure. (MW)	Pellegrin
Soc 407.	Seminar: Role Theory. (TuTh)	Bates
Soc 440.	Group Dynamics. (MW)	Johannis

1:00 to 4:00 p.m.

AA 290.	Painting. (MTuWTh)	Soeder
AA 490.	Advanced Painting. (MTuWTh)	Ryan
AA 491.	Advanced Drawing. (MTuWTh)	Soeder
Ph 204.	General Physics Laboratory. (M)	Powell
Ph 205.	General Physics Laboratory. (Tu)	Powell
Ph 206.	General Physics Laboratory. (W)	Powell

1:00 to 5:00 p.m.

Bi 439.	Field Botany. (TuTh)	Rumely
Bi 494.	Laboratory and Field Methods in Biology. (MW)	Oberteuffer
Ed 409.	Practicum: Procedures in Family Counseling. (1-4:30 Tu)	Lowe, staff

2:00 p.m.

Ed 310.	The School in American Life. (MTuWTh)	Tope
Ed 491.	Social Education. (MTuWTh)	Graham
Ed 515.	Educational Statistics. (MTuWTh)	Clarke
Ed 575.	School Finance. (Daily)	Romney
PE 221.	Games for the Elementary School. (MTuWTh)	Munson
PE 521.	Basic Procedures in Corrective Physical Education. (MTuWTh)	Poley
PE 558.	Curriculum Construction in Physical Education. (MTuWTh)	Sprague
HE 467.	Driver Education and Training. (MTuWTh)	Brumbach
MuE 407.	Seminar: Composition. (MWF)	Keller
MuE 445.	String Literature for Public Schools. (MWF)	Hladky
Sp 483.	Speech Pathology. (MTuWTh)	Chirstensen
Sp 507.	Seminar: Directing the High School and College Forensic Program. (MTuWTh)	Cohen

2:00 to 4:00 p.m.

Ed 409.	Practicum: Remedial Education (Elementary). (Tu)	Chronister, staff
Ed 409.	Practicum: Remedial Education (Secondary). (Tu)	Chronister, staff
Ed 507.	Seminar: Problems in Extreme Learning Difficulty. (W)	Hill
Ed 509.	Practicum: Remedial Education (Elementary). (Tu)	Hill, staff
Ed 509.	Practicum: Remedial Education (Secondary). (Tu)	Hill, staff
Ed 509.	Practicum: Clinical Procedures in Education. (WTh)	Mattson, Watson
Ed 463.	The Maladjusted Child. (MW)	Lowe
Ed 409.	Practicum: Clinical Procedures in Education. (WTh)	Mattson, Watson
Psy 532.	Advanced Personality Assessment. (TuTh)	Breger

2:00 to 5:00 p.m.

Bi 423.	Genetics Laboratory. (MWF)	Clancy
Ed 409.	Practicum: Family Counseling. (2-4:30 Tu)	Lowe
Ed 409.	Practicum: Rehabilitation Counseling. (MW)	Acker, staff
Ed 409.	Practicum: Secondary-School Counseling. (MW)	Lallas, staff
Ed 507.	Seminar: Problems in Mental Retardation. (Tu)	Lent, Odum
Ed 509.	Practicum: Family Counseling. (2-4:30 Tu)	Lowe
Ed 509.	Practicum: Secondary-School Counseling. (MW)	Lallas, staff
Ed 509.	Practicum: Rehabilitation Counseling. (MW)	Acker, staff

3:00 p.m.

PE 222.	Rhythms for the Elementary School. (MTuWTh)	Munson
PE 446.	Tests and Measurements in Physical Education. (MTuWTh)	Rhoda
PE 180, 190.	Tennis. (MTuWTh)	Munroe
PE 380, 390.	Tennis. (MTuWTh)	Munroe
MuE 381.	Music for Elementary Teachers. (MTuThF)	

3:00 to 5:00 p.m.

AA 255.	Ceramics. (MTuWTh)	James
PE 180, 190.	Golf. (MW)	Odegaard
PE 380, 390.	Golf. (TuTh)	Odegaard

4:00 p.m.

<i>Number</i>	<i>Course Title</i>	<i>Instructor</i>
Ed 507.	Seminar: Adlerian Theory. (MW)	Lowe
PE 180, 190.	Tennis. (MTuWTh)	Munroe
PE 380, 390.	Tennis. (MTuWTh)	Munroe
PE 190, 390.	Handball. (MTuWTh)	Rhoda
MuE 383.	Music Methods for Elementary Teachers. (MTuThF)	
Mus 407.	Seminar: Analysis of Music Structure. (MWF)	Keller

4:00 to 5:45 p.m.

PE 406.	Special Problems in Gymnastics. (MTuWTh)	Sprague
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7:00 p.m.

PE 572.	Gross Anatomy. (TuTh)	Sigerseth
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One-Week Courses

Ed 508.	Workshop: Secondary-School Administration. (July 16-20) Daily.	Trump, Hearn, Conway
PE 408, 508.	Workshop: Elementary-School Rhythms. (June 11-16) 9-12; 1:30-4:30 daily.	Dougherty
PE 406.	Coaching Clinic. (June 11-15) Daily.	
HE 407, 507.	Health Science Seminar. (June 11-16) 9-12; 1:30-4:30 daily	Haar, Furrer
Ed, Psy, Soc 507.	Seminar: Juvenile Delinquency. (August 20-27) Daily.	Polk, staff

Two-Week Courses

AA 437.	Contemporary Design. (July 2-12) 3-5 MTuWTh.	Fuller
ArE 409.	Practicum: Art Experiences in the Curriculum for the Mentally Retarded Child. (July 30-August 10) Lab 8-12 daily; 1-2 daily.	Gehring
BEEd 508.	Workshop: Development of Business Education for the Academically Talented. (June 18-29) 1-4 daily.	McGill
BEEd 508.	Workshop: Basic Business and Economic Education. (July 23-August 3) 9-12 daily.	Gilliam
BEEd 508.	Workshop: Secretarial Training. (July 30-August 10) 1-4 daily.	Lamb
SS 211.	Applied Stenography. (July 16-27) 7-9 daily.	Marnix
SS 324.	Office Practice. (June 18-29) 1-3 daily.	Marnix
Ed 408, 508.	Workshop: Elementary Education. (June 18-29) 9-12 daily.	Sandin
Ed 508.	Workshop: The Student Council. (August 12-24) Daily.	Hearn, Wood, staff
Eng 438.	Contemporary Poetry. (July 30-August 8) 3-5 MTuWTh.	Rexroth
Eng, Ed 508.	Workshop: Historical Linguistics. (June 18-29) 8:30-10; 10:30-12 daily.	Laird, Kraus
Ed 407.	Seminar: Arts and Crafts for the Mentally Retarded. (July 30-August 10) 8-3:30 daily.	Tetzner, Gehring
Ed 508.	Workshop: Program for the Able and Gifted. (June 18-29) 9-12; 3 daily.	Hinze
Ed 508.	Workshop: Physically Handicapped. (July 2-13) 9-12; 1-4 daily.	Wright, Mattson, staff

<i>Number</i>	<i>Course Title</i>	<i>Instructor</i>
Ed 508.	Workshop: Financing Education in the Decade Ahead. (July 9-18) Daily.	Romney, staff
Mus 437.	Contemporary Music. (July 16-27) 3-5 MTuWTh.	Bresgen
MuE 408.	Workshop: Comparative Music Education. (July 2-13) 3-5 MTuWTh	Kraus
MuE 408.	Workshop: General Music. (July 2-13) 7-9 p.m. MTuWTh	Kraus
MuE 408.	Workshop: Musical Improvisation as a Tool for Music Teaching. (July 16-27) 9-11 MTuWTh.	Bresgen
Mus 408.	Workshop: Choral Literature and Interpretation. (July 16-27) 7-9 p.m. MTuWTh.	Kraus
PE 437.	Contemporary Dance. (June 18-28) 3-5 MTuWTh.	Cunningham
Sp 438.	Contemporary Drama. (July 30-August 8) 1-3 MTuWTh.	

Three-Week Courses

Bi 103.	General Biology (third term). (August 13-31) 8-10 daily; lab 10-12 daily.	Erickson, Hindman
GL 52.	First-Year German (third term). (August 13-31) 8-10 daily.	McWilliams
RL 52.	First-Year French (third term). (August 13-31) 8-10 daily.	Solinis
SL 52.	First-Year Russian (third term). (August 13-31) 8-10 daily.	Tolstouchov
RL 62.	First-Year Spanish (third term). (August 13-31) 10-12 daily.	Powers
PE 408.	Workshop: Secondary-School and College Physical Education. (June 18-July 6)	Woodruff, staff

Courses First Four Weeks

(June 18-July 13)

7:30 a.m.

Bi 101.	General Biology (first term). (7:30-9 daily; lab 9-12 TuThF)	Erickson, Hindman
FBE 508.	Workshop: Economic Education. (7:30-11; 12-3 daily)	Richins, Malter

8:00 to 10:00 a.m.

ArE 401.	Special Studies: Art in the Elementary-School Curriculum (MTuWTh)	Gehring
Ed 353.	The Child and His Curriculum. (Daily)	Schminke
Ed 507.	Seminar: Primary Education. (Daily)	Candland
GL 50.	First-Year German (first term). (Daily)	McWilliams
GL 101.	Second-Year German (first term). (Daily)	Kratz
RL 50.	First-Year French (first term). (Daily)	Solinis
SL 50.	First-Year Russian (first term). (Daily)	Tolstouchov
J 341.	Principles of Advertising. (Daily)	Wales
Lib 481.	Bibliography and Reference. (MTuWTh)	Lane

9:00 to 11:00 a.m.

Ed 553.	Elementary-School Curriculum. (Daily)	Sandin
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10:00 a.m.

Ec 450.	Comparative Economic Systems. (Daily)	Siegel
Mth 461.	Irrational Numbers. (Daily)	Niven, Ghent

10:00 a.m. to 12:00 noon

Ed 507.	Seminar: The Community College. (MTuWTh)	McCall
GL 50.	First-Year German (first term). (Daily)	Hahn
RL 50.	First-Year German (first term). (Daily)	Hartle
RL 60.	First-Year Spanish (first term). (Daily)	Powers
Lib 488.	Books and Related Materials for Young People (MTuWTh)	Ostwald
Psy 460.	Developmental Psychology I: Infancy and Childhood. (MTuWTh)	Sundberg

1:00 to 3:00 p.m.

<i>Number</i>	<i>Course Title</i>	<i>Instructor</i>
Ed 507.	Supervision of School Publications. (Daily)	Payne
Ed 508.	Workshop: Teaching Geography in the Junior High School (Daily)	Jolly
Ed 527.	Secondary-School Administration and Supervision. (Daily)	Hearn
Ed 529.	Methods in Secondary-School Language Arts. (Daily)	Kehl
Ed 596.	Methods in Secondary-School Social Studies. (Daily)	Jaegers
Lib 486.	Introduction to Cataloging and Classification. (MTuWTh)	Pierron
Lib 493.	Literature of the Humanities. (MTuWTh)	McCullough

2:00 to 4:00 p.m.

Ed 566.	Curriculum Construction. (Daily)	Pond
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3:00 p.m.

MuE 407.	Seminar: Woodwind-Instrument Techniques. (Daily)	Vagner
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3:00 to 5:00 p.m.

Ed 435.	Audio-Visual Aids. (Daily)	McDonald
Lib 484.	School Library Administration. (MTuWTh)	Lane

Courses Second Four Weeks

(July 16-August 10)

7:30 to 9:00 a.m.

Bi 102.	General Biology (second term). (Daily; lab 9-12 TuTh F)	Erickson, Hindman
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8:00 to 10:00 a.m.

ArE 507.	Seminar: Art Education, an American Dilemma. (TuWTh)	Masley
Ed 427.	School Activities. (Daily)	Wood
Ed 508.	Workshop: Problems of School Administration. (8-11:30 MTuWTh)	Goldhammer, staff
GL 51.	First-Year German (second term). (Daily)	McWilliams
GL 102.	Second-Year German (second term). (Daily)	Kratz
RL 51.	First-Year French (second term). (Daily)	Solinas
SL 51.	First-Year Russian (second term). (Daily)	Tolstouchov
Lib 485.	Advanced Bibliography and Reference. (MTuWTh)	Pierron

9:00 to 11:00 a.m.

Ed 554.	Elementary-School Supervision and Administration. (Daily)	Suttle
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10:00 a.m.

Ec 451.	Comparative Economic Systems. (Daily)	Siegel
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10:00 a.m. to 12:00 noon

GL 51.	First-Year German (second term). (Daily)	Hahn
RL 51.	First-Year French (second term). (Daily)	Hartle
RL 61.	First-Year Spanish (second term). (Daily)	Powers
J 459.	Publicity and Public Relations. (Daily)	Wales
Lib 490.	Children's Literature. (MTuWTh)	Ostwald
Lib 511.	History of the Book (MTuWTh)	Hintz

1:00 to 3:00 p.m.

Ed 527.	Secondary-School Administration and Supervision. (Daily)	Hearn
Ed 595.	Methods in Secondary-School Science. (Daily)	Crumley
J 455.	Supervision of School Publications. (Daily)	Payne
Lib 487.	Cataloging and Classification. (MTuWTh)	Pierron
Lib 491.	Storytelling. (MTuWTh)	Ostwald
Psy 461.	Developmental Psychology II: Adolescence and Maturity. (MTuWTh)	Barker

2:00 p.m.

Mth 462.	An Introduction to Electronic Computers and Computing. (MTuWTh; 10 F)	
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3:00 p.m.

MuE 407.	Seminar: Instrumental Survey—Brass Instruments. (Daily)	Lee
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3:00 to 5:00 p.m.

Lib 495.	Literature of the Social Sciences. (MTuWTh)	Morrison
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of American educational theory and practice: Dewey, Hutchins, the progressives, etc. 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. Timmons.

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. 2 MTuWTh. Graham.

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

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

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, for the second four weeks, or for the post session.

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 507. **Seminar: Publicity and Public Relations.** 4 hours.

First four weeks, June 18-July 13. Basic techniques and methods in publicity programs for schools and other public institutions, business and professional fields, and special-interest groups; relationship of publicity to broader concept of public relations; special emphasis on school public relations. 10 daily. Wales.

Ed 507. **Seminar: Supervision of School Publications.** 4 hours.

Second four weeks, July 16-August 10. The teacher's role in guiding student publications in the secondary school; all phases of student newspaper and yearbook work. 1-3 daily. Payne.

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. 9 MTuWTh. Graham.

Ed 566. **Curriculum Construction.** 3-4 hours.

First four weeks, June 18-July 13. 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. Pond.

Elementary Education

Ed 353. **The Child and His Curriculum: Mathematics.** 4 hours.

First four weeks, June 18-July 13. Mathematics instruction and the learning process; scope and sequence in the elementary school curriculum; developing mathematics understandings, concepts, and skills—the meaning and uses of number, per cent, measurement, number sets; problem solving; instructional materials. 8-10 daily. Schminke.

Ed 354. **The Child and His Curriculum: Social Studies, Science.** 5 hours.

Social studies and science in the elementary-school curriculum; ways of developing basic concepts in human relationships and community living; emphasis on the effective use of instructional media and on related problems of method, such as effective reading in science and social studies, provision for individual differences, cultivation of critical thinking, provision for growth

and retention, and methods of evaluating results of instruction. Prerequisite: Ed 311, Ed 312. 10 daily; lab, 2-4 M. Price.

Ed 407. Seminar: Reading in the Elementary School. 4 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 daily, Candland; or 2 daily, Willard.

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

Second four weeks, July 16-August 10. An introductory course, designed to give elementary-school teachers and librarians an acquaintance with children's books and their use in the curriculum. 10-12 MTuWTh. Ostwald.

Lib 491. Storytelling. (G) 3 hours.

Second four weeks, July 16-August 10. Study of literature, both traditional and modern, suitable for oral presentation to children of all ages. Instruction and practice in the techniques of the art of storytelling. 1-3 MTuWTh. Ostwald.

Ed 507. Seminar: Primary Education. 4 hours.

First four weeks, June 18-July 13. Review of the development of children, ages 5 through 8; program planning; group behavior; the place of the teacher; equipment, activities, books, and music for these age levels. 8-10 daily. Candland.

Ed 507. Seminar: Reading Instruction for Primary Grades. 4 hours.

An analysis of research and current practice in the teaching of reading. Special emphasis on the relationship of reading to the other communication skills, the assessment of readiness and growth in reading, the development of word recognition, critical reading skills, and reading instruction practices designed to meet individual needs of children in kindergarten through the third grade. 11 daily. Candland.

Ed 507. Seminar: Reading Instruction for Intermediate Grades. 4 hours.

Nature of the reading process, objectives, organization of a desirable reading program; 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 at the intermediate grade level. 8 daily. Willard.

Ed 408, 508. Workshop: Elementary-School Education. 3 hours.

Two weeks, June 18-29. A workshop for classroom teachers 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 individuals or teams. Interested participants should submit a letter of application to Adolph A. Sandin, School of Education, University of Oregon, before June 1. Include with the application a brief identification of a proposed problem or project. 9-12 daily. Sandin, staff.

Ed 534. Science in the Elementary School. 4 hours.

The place of science in the elementary school, with particular reference to the value of science in the lives of children; selecting and organizing content, coordinating science with elementary-school activities; methods and materials; room and equipment. 1 daily. Kambly.

Ed 535. Social Studies in the Elementary School. 4 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. 11 daily. Willard.

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

The role of language arts in the elementary-school program; research findings on language development; the teaching of spelling, writing, and speaking-listening skills; newer instructional materials; testing and evaluation. 1 daily. Price.

Ed 538. Mathematics in the Elementary School. 4 hours.

Theory, research, and current issues pertaining to mathematics instruction for children; recent curriculum developments and experimentation, newer instructional materials, and appraisal of current mathematics curriculum content and teaching practices. 12 daily. Schminke.

Ed 553. Elementary-School Curriculum. 4 hours.

First four weeks, June 18-July 13. A systematic study of the elementary-school curriculum; pupil needs in everyday life situations, objectives, essentials of a good program; varying curriculum designs, organization of learning experiences, evaluation of learning and appraisal of newer curriculum practices. 9-11 daily. Sandin.

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

Second four weeks, July 16-August 10. Intended for mature students who are preparing for administrative or supervisory positions. Characteristics of good elementary schools, leadership responsibilities and processes, curriculum improvement, school organization patterns, pupil personnel policies, and school-community relationships. The topics considered are also of interest to experienced elementary-school teachers. 9-11 daily. Suttle.

Secondary Education

Ed 314. Principles of Secondary Teaching. 3 hours.

Study of the actual classroom teaching process, including classroom organization and management, planning teaching units, evaluating pupil learning, and similar problems. Prerequisite: Ed 310, Ed 312. 10 MTuWTh. Kambly.

Ed 427. School Activities. (G) 4 hours.

Second four weeks, July 16-August 10. 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. 8-10 daily. 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 of the junior high school. 1 MTuWTh. Miller.

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

First four weeks, June 18-July 13. The selection and evaluation of books and other materials for the junior and senior high-school library; a study of adolescent reading interests and the library's role in reading guidance. 10-12 MTuWTh. Ostwald.

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

First four weeks, June 18-July 13. The role of the two-year college in American culture; general and vocational education; student personnel work; legal and financial problems. 10-12 MTuWTh. McCall.

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

Post session, August 12-24. Aims and objectives of the student council organization, group processes, council problems and projects; evaluation of the council's program. The first week of the program organized in conjunction with high-school leaders' workshop; second week devoted to individual work. Daily. Hearn, Wood, staff.

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

First four weeks, June 18-July 13. A workshop for present and prospective teachers of geography and/or social studies in the junior high schools of Oregon. The workshop will deal with the types and kinds of geographical knowledge that should be taught at the junior high-school level and the 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. 1-3 daily. Jolly.

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

July 16-20. 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. Daily. Trump, Hearn, Conway.

Ed 508. **Workshop: Historical Linguistics.** 3 hours.

June 18-29. Lectures on the Indo-European family of languages, the history of English vocabulary and syntax, and the development of modern descriptive grammatical systems by the author of *The Miracle of Language*, co-author of *The Tree of Language* and the Laird-Gorrell *Handbook*. 8:30-10, 10:30-12 daily. Laird, Kraus.

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

June 18-July 13. Survey of the secondary-school curriculum; trends and outstanding practices in organization, content, methodology, materials, and evaluation; problem approach to specific subject areas. 9 MTuWTh. Miller.

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

First four weeks, June 18-July 13. 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. 1-3 daily. Hearn.

Ed 527. **Secondary-School Administration and Supervision.** 2-4 hours.

Second four weeks, July 16-August 10. This section is designed for members of the Workshop in Secondary School Administration who desire to do individual work in secondary-school administration for one, two, or three weeks following the close of the workshop. 1-3 daily. Hearn.

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

First four weeks, June 18-July 13. Designed for administrative and supervisory personnel as well as for classroom teachers. Provides an opportunity for students to become familiar with research and to witness and participate in actual demonstrations in the teaching of literature, grammar, and composition. Prerequisite: teaching experience or consent of instructor. 1-3 daily. Kehl.

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

July 16-August 10. Emphasis on the development of proficiency in the use of the problem-solving approach to teaching topics in arithmetic, algebra, geometry, and advanced high-school mathematics; strengths, inadequacies, and needed revisions in the present-day mathematics curriculum. Prerequisite: teaching experience or consent of instructor. 1 MTuWTh. Hall.

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

Selection of materials; demonstrations, use and care of meters, microscopes; science test construction; devices for instructional use. Prerequisite: teaching experience or consent of instructor. 1 daily. Crumley.

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

First four weeks, June 18-July 13. Emphasis on social studies objectives, the unit method of teaching, social studies materials, and methods of evaluation. Opportunity for teachers to prepare materials to use in their classroom. Open to experienced junior and senior high-school teachers. 1-3 daily. Jaegers.

Remedial Education

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

Ed 407. Seminar: Corrective Reading. (G) 4 hours.

Designed for classroom teachers who seek to improve their reading program through a knowledge of corrective and remedial techniques. Students pursuing programs as specialists in reading may not enroll in this seminar. Concurrent registration in Practicum: Corrective Reading (Ed 409) required. Prerequisite: consent of instructor. 8 daily. Gillett, McClain, Thompson.

Ed 409. Practicum: Corrective Reading. (G) 4 hours.

Opportunities for classroom teachers to improve their reading programs through practical experience with children. Not open to students working toward advanced degrees in the field of reading. Concurrent registration in Seminar: Corrective Reading (Ed 407) required. Prerequisite: consent of instructor. 9-12 daily. Gillett, McClain, Thompson.

Ed 409. Practicum: Remedial Education (Elementary). (G) 3 hours.

Supervised clinical experience in the remediation of learning difficulties of elementary-school pupils; emphasis on remedial instruction in reading and other basic skill deficiencies. Diagnosis as cases demand. Prerequisite: Ed 465 or Ed 468; consent of instructor. 2-4 Tu; daily practicum hour to be arranged. Chronister, staff.

Ed 409. Practicum: Remedial Education (Secondary). (G) 3 hours.

Emphasis on remediation of learning difficulties of secondary-school pupils. Prerequisite: Ed 465 or Ed 468; consent of instructor. 2-4 Tu; daily practicum hour to be arranged. Chronister, staff.

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

Research and practices relating to the reading process and reading instruction; the nature and development of readiness, word power, integration of meaning, reading-learning efficiency, measurement of reading. 10 MTuWTh. Conant.

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

Introduction to the nature and treatment of extreme learning difficulty; survey of principles, practices, and materials pertinent to diagnosis and correction of underachievement in spelling, writing, and arithmetic. Pertinent to problems encountered at both the elementary- and secondary-school level. 8 MTuWTh. Chronister.

Ed 468. Diagnostic and Remedial Techniques in Reading. (G) 3 hours.

Study of reading deficiency and its remediation; nature of the deficient reader, patterns of skill disability, diagnostic and remedial principles, programs, practices, and materials in reading. Pertinent to problems encountered at both the elementary- and secondary-school level. 9 MTuWTh. Hill.

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 507. Seminar: Problems in Extreme Learning Difficulty. 2-3 hours.

Research and other empirical evidence pertinent to current problems and practices in remedial education. Designed to give advanced graduate students an opportunity for intensive study. Prerequisite: consent of instructor. 2-4 W. Hill.

Ed 509. Practicum: Remedial Education (Elementary). 3 hours.

Emphasis on diagnosis of learning difficulty. Requires a more advanced and independent level of work than Ed 409. Prerequisite: consent of instructor. 2-4 Tu; daily practicum hour and diagnostic assignments to be arranged. Hill, staff.

Ed 509. Practicum: Remedial Education (Secondary). 3 hours.

Emphasis on diagnosis of learning difficulty. Prerequisite: consent of instructor. 2-4 Tu; daily practicum hour and diagnostic assignments to be arranged. Hill, staff.

Education of Exceptional Children

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, 1962.

- Ed 407. **Seminar: Curriculum for the Mentally Retarded (Elementary).** (G) 3 hours.
 June 18-July 27. Organization and administration of the education program for the mentally retarded; nature and scope of the curriculum; methods and materials of instruction. Prerequisite: consent of instructor. 8-10:30 daily. Lent.
- Ed 407. **Seminar: Curriculum for the Mentally Retarded (Secondary).** (G) 3 hours.
 June 18-July 27. Organization and administration of the education program for the mentally retarded; nature and scope of the curriculum; methods and materials of instruction. Prerequisite: consent of instructor. 1-3:30 daily. Odom.
- Ed 407. **Seminar: Arts and Crafts for the Mentally Retarded.** (G) 3 hours.
 July 30-August 10. Laboratory use of simple art materials consistent with the developmental stages of the mentally retarded child. Current literature and practice. Prerequisite: consent of instructor. 8-3:30 daily. Ballinger, Gehring.
- Ed 409. **Practicum: Teaching the Mentally Retarded.** (G) 3 hours.
 June 18-July 27. 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 Seminar: Curriculum for the Mentally Retarded (Ed 407), Seminar: Arts and Crafts for the Mentally Retarded (Ed 407), and The Mentally Retarded Child (Ed 464). Prerequisite: consent of instructor. Group 1, 8-10:30 daily, Group 2, 1-3:30 daily. Lent, staff.
- Ed 439. **The Gifted Child.** (G) 3 hours.
 Definition and identification of the gifted; characteristics and problems of the gifted; special educational and environmental requirements of the gifted; philosophical considerations of the relations between the gifted and society. 10 MTuWTh. Lovell.
- Ed 462. **Psychology of Exceptional Children.** (G) 3 hours.
 Survey of characteristics and problems of all types of exceptional children, with special emphasis on those with sensory handicaps; consideration of essential educational adaptations. 11-1 Tu, 11 WTh. Mattson.
- Ed 463. **The Maladjusted Child.** (G) 4 hours.
 The discovery and treatment of the emotionally and socially maladjusted child; the home, school, and community in relation to the child's mental health. Opportunities for observing family counseling in relation to school adjustment. 2-4 MW. Lowe.
- Ed 464. **The Mentally Retarded Child.** (G) 3 hours.
 June 18-July 27. The psychology, education, and guidance of the mentally retarded child. 11 daily. Lent.
- Ed 507. **Seminar: Adlerian Theory.** 2 hours.
 A 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. 4 MW. Lowe.
- Ed 507. **Seminar: Problems in Mental Retardation.** 3 hours.
 Research and other evidence pertinent to current problems and practices in mental retardation. Prerequisite: consent of instructor. 2-5 Tu. Lent, Odom.

Ed 508. Workshop: Program for the Able and Gifted. 3 hours.

June 18-29. 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. 9-12, 1-3 daily. Hinze.

Ed 508. Workshop: The Physically Handicapped. 1-5 hours.

July 2-13. Intensive study of the social-psychological situations confronted by physically disabled children. Emphasis on educational curricula and methods designed for physically disabled children. 9-12, 1-4 daily. Wright, Mattson, staff.

Educational Psychology

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 the clinic process. Prerequisite: consent of instructor. 2-4 WTh. Mattson, Watson.

Ed 424. Measurement in Education. (G) 3 hours.

Use and interpretation of informal and standardized tests for diagnosis, analysis, evaluation, and improvement of instruction in the elementary and secondary schools; test planning, item writing, essay testing, administration, and scoring; analysis of score and grade assignment; simple statistics of test interpretation. 9 MTuWTh. Acker.

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. 2-4 WTh. Mattson, Watson.

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. 1 TuWThF. Rummel.

Ed 515. Educational Statistics. 3 hours.

Use and interpretation of elementary statistical techniques, with applications in educational research; use of measures of central tendency and of variability, graphic representation, large-sample error theory, and simple correlation analysis in the evaluation of test materials. Calculus not required. Integrated with Mth 425 and PE 540. 2 MTuWTh. Clarke.

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

The theoretical bases and principles of educational measurement; item writing, try-out, 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. 1 MTuWTh. Lovell.

Ed 528. 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. Prerequisite: Ed 424. 10 MTuWTh. Christensen.

Ed 529. Advanced Educational Psychology. 2 hours.

Review of selected theories in educational psychology; particular attention to theories of learning as they relate to practical problems in classroom situa-

tions. Designed primarily for advanced students in behavioral sciences. Prerequisite: consent of instructor. 9 MTuW. Lovell.

Ed 564. **Mental Tests.** 4 hours.

Selection, administration, and interpretation of individual tests; intensive study of problems in testing exceptional and extremely deviate children. Enrollment limited to students in whose program individual testing is a requirement. Prerequisite: consent of instructor and Ed 424. 10 daily. Watson.

Counseling

Ed 407. **Seminar: Principles of Employment Counseling.** (G) 3 hours.

June 18-July 20. Enrollment limited to Oregon State Employment Service counselors. A study of factors related to effective counseling, including principles of personnel work, psychology of occupations, counseling procedures, and psychological assessment. Required concurrent registration in Ed 407 (Behavioral Studies) and Ed 409 (Practicum). 9-12, 1:30-3:30 daily. Laughary, staff.

Ed 407. **Seminar: Behavioral Studies Relating to Employment Counseling.** (G) 3 hours.

June 18-July 20. Enrollment limited to Oregon State Employment Service counselors. A study of contributions by various behavioral sciences to understanding counseling for employment. Personality theory, individual differences, sociology of work, cultural dynamics. Required concurrent registration in Ed 407 (Principles) and Ed 409 (Practicum). 9-12, 1:30-3:30. Loughary, staff.

Ed 409. **Practicum: Employment Service Counseling.** (G) 2 hours.

June 18-July 20. Enrollment limited to Oregon State Employment Service counselors. Supervised experience in counseling applicants for employment service. Observation, staffing of cases, counseling, and case writing. Required concurrent registration in Ed 407 (Principles) and Ed 407 (Behavioral Studies). 9-12, 1:30-3:30 daily. Loughary, staff.

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, staff.

Ed 409. **Practicum: Family Counseling.** (G) 4 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. Lowe.

Ed 409. **Practicum: Rehabilitation Counseling.** (G) Hours to be arranged.

Instruction and supervised practice in counseling the disabled either in the University Counseling Center or a community agency engaged in offering service to the disabled. Case writing, testing, observation, counseling, and staffing. Prerequisite: consent of instructor. 2-5 MW. Acker, staff.

Ed 409. **Practicum: Secondary-School Counseling.** (G) 4 hours.

Open only to students in programs leading to specialization in secondary-school counseling. Observation, staffing of cases, counseling, case writing, testing. Counseling sessions are conducted in the University Counseling Center. Prerequisite: consent of instructor. 2-5 MW. Lallas, staff.

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

The need for guidance services in the schools; tests, inventories, question-

naires, and records; the role of the home and the community in guidance; counseling the individual student. 11 MTuWTh. Christensen.

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

Designed primarily for students preparing for positions as counselors. Consideration of theories of occupational choice and vocational development. Study of current materials and trends in educational and vocational guidance. Prerequisite: Ed 424, Ed 485. 1 MTuWTh. Christensen.

Ed 509. Practicum: Family Counseling. 2 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. Lowe.

Ed 509. Practicum: Secondary-School Counseling. 4 hours.

Same as Ed 409 except that the student is expected to work with less immediate supervision. Prerequisite: consent of instructor. 2-5 MW. Lallas, staff.

Ed 509. Practicum: Rehabilitation Counseling. Hours to be arranged.

Same as Ed 409 except that the student is expected to function with a minimum of supervision. Prerequisite: Ed 409, consent of instructor. 2-5 MW. Acker, staff.

Ed 509. Practicum: Field Experience in Rehabilitation. Hours to be arranged.

Intensive counseling experience under supervision in field agency. Wegner, staff.

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. 9 MTuWTh. Lallas.

Educational Administration

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

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

Soc 407. Seminar: Community Leadership Structure. (G) 3 hours.

The policy formulation process in the local community. Various approaches to the study of community leadership examined, and the basic literature reviewed. Special attention to the policy formulation process in public education. 9-10:40 MW. Pellegrin.

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, Marquis, Dykstra.

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, Wallace, Koplín, Foskett, Goldstein, 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 Surveys. 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. 6 hours.

Second four weeks, July 16-August 10. 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: Financing Education in the Decade Ahead. 2 hours.

July 9-18. A workshop sponsored by the Oregon Education Association, Oregon Association of School Administrators, Oregon School Boards Association, and the University of Oregon. Designed primarily for superintendents of schools, principals, school board members, and those aspiring to these positions. Specialists in the fields of economics and school finance from within the state, as well as some nationally renowned experts from outside the state, will constitute the instructional staff. The workshop will examine data relating to several critical questions such as: How big is the educational job going to be in Oregon in the decade ahead? What is the economic potential of local districts, state, and nation for meeting these needs? How can these resources be tapped most effectively to get the job done? What problems of local school district financial administration are most critical and how can they more effectively be met? Registration fee: \$40. Romney.

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

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

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

Organization in both grade and high schools; emphasis on the small system. Prerequisite: teaching experience or consent of instructor. 10 daily. Timmons.

Ed 574. School Supervision. 3 hours.

Purpose and plans for supervision; use of tests, diagnosis of pupil difficulty, etc., in both elementary and secondary schools. Prerequisites: Ed 311, Ed 312, or teaching experience. 11 MTuWTh. Miller.

Ed 575. School Finance. 3-4 hours.

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

Ed 576. School Buildings. 3-4 hours.

Study of problems in planning, construction, maintaining, and operating school buildings. The basic course in school buildings, intended for persons who have not had much experience in building problems. 9 daily. Hines.

English

Visiting Faculty: LAIRD, REXROTH.

Professors: HORN, MCNEIR, SVENDSEN.

Associate Professor: KRAUS.

Assistant Professors: NOLTE, O'NEIL, WEATHERHEAD.

Instructors: CADBURY, LAWRENCE.

- Wr 111. **English Composition (First Term)**. 3 hours.
Fundamentals of English composition. 10 TuWThF. Cadbury.
- Wr 216. **Expository Writing**. 3 hours.
Summer students may take Wr 216 in place of either Wr 112 or Wr 113 to satisfy the composition requirement. 8 TuWThF. Cadbury.
- Wr 411. **Composition for Teachers**. (g) 3-4 hours.
For students expecting to teach English in high school. Practice in writing and a review of the rules of composition. Recommended for satisfaction of the high-school teaching requirement in English. Prerequisite: Wr 111, 112, 113. 8 TuWThF. O'Neil.
- Eng 394. **Twentieth-Century Literature (First Term)**. 3 hours.
Studies in drama, poetry, and novels of the earlier twentieth century: Ibsen, Shaw, Hardy, Yeats, Frost, Conrad, James, Lawrence, Forster. 1:00 TuWThF. Weatherhead.
- Eng 403. **Thesis for Honors Candidates**. Hours to be arranged.
- Eng 405. **Reading and Conference**. Hours to be arranged.
- Eng 412. **English Drama (Second Term)**. (G) 3 hours.
The development of English dramatic forms. 9 TuWThF. Horn.
- Eng 428. **Chaucer**. (G) 3 hours.
As much of Chaucer's work read as time permits. 11 TuWThF. O'Neil.
- Eng 431. **Literature of the Renaissance (Second Term)**. (G) 3 hours.
Continental backgrounds of the English Renaissance. 10 TuWThF. McNeir.
- Eng 438. **Contemporary Poetry**. (G) 1-2 hours.
July 30-August 8. British and American poetry since about 1940. 3-5 MTuWTh. Rexroth.
- Eng 444. **Milton**. (G) 3 hours.
8 TuWThF. Svendsen.
- Eng 451. **Eighteenth-Century Literature (Second Term)**. (G) 3 hours.
The prose and poetry of the century studied in relation to the social, political, and aesthetic ideas which gave the period its peculiar character. 10 TuWThF. Horn.
- Eng 481. **Major American Writers (First Term)**. (G) 3 hours.
Studies in Ezra Pound, Ernest Hemingway, and Robert Penn Warren. 9:00 TuWThF. Weatherhead.
- Eng 488. **Literature for Teachers**. (g) 3 hours.
Study of selected literary works—drama, novel, poetry—with emphasis on their presentation to high-school students. 11 TuWThF. Weatherhead.
- Eng 501. **Research**. Hours to be arranged.
- Eng 503. **Thesis**. Hours to be arranged.
- Eng 505. **Reading and Conference**. Hours to be arranged.
- Eng 508. **Workshop: Historical Linguistics**. 3 hours.
June 18-29. Lectures on the Indo-European family of languages, the history of English vocabulary and syntax, and the development of modern descriptive grammatical systems by the author of *The Miracle of Language*, co-author of *The Tree of Language* and the Laird-Gorrell *Handbook*. 8:30-10, 10:30-12 daily. Laird, Kraus.
- Eng 530. **Shakespeare (First Term)**. 3 hours.
11 TuWThF. McNeir.

Foreign Languages

Professor: BEALL.

Associate Professors: HARTLE, POWERS.

Assistant Professors: HAHN, KRATZ, TOLSTOUCHOV.

Instructors: MCWILLIAMS, SOLINÍŠ.

German

***GL 50. First-Year German.** 4 hours.

First four weeks, June 18-July 13. 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. 10-12 daily. Hahn.

***GL 51. First-Year German.** 4 hours.

Second four weeks, July 16-August 10. Continuation of GL 50. Equivalent of the second term of First-Year German given during the regular academic year. 10-12 daily. Hahn.

GL 101. Second-Year German. 4 hours.

First four weeks, June 18-July 13. Review of grammar and composition; reading of selections from representative authors; conversation. 8-10 daily. Kratz.

GL 102. Second-Year German. 4 hours.

Second four weeks, July 16-August 10. Continuation of GL 101. Equivalent of the second term of Second-Year German given during the regular academic year. 8-10 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 and/or consent of instructor. 11 MTuWTh. McWilliams.

GL 405. Reading and Conference. 3 hours.

Readings and reports in selected periods of German literature, individually arranged with instructor. For German majors. Hahn.

GL 503. Thesis. Hours to be arranged.

Hahn.

GL 505. Reading and Conference. 3 hours.

Readings and reports in selected periods of German literature, individually arranged with instructor. For graduate students. Hahn.

French

***RL 50. First-Year French.** 4 hours.

First four weeks, June 18-July 13. 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. 10-12 daily. Hartle.

***RL 51. First-Year French.** 4 hours.

Second four weeks, July 16-August 10. Continuation of RL 50. Equivalent of the second term of First-Year French given during the regular academic year. 10-12 daily. Hartle.

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

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. Hartle.

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, Hartle.

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. Hartle.

RL 505. Reading and Conference. 3 hours.

Advanced readings in French literature. Students interested should consult the instructor. 10 MTuWTh. Beall.

Russian

***SL 50. First-Year Russian.** 4 hours.

First four weeks, June 18-July 13. The elements of the Russian language. Elementary reading, composition, and conversation. 8-10 daily. Tolstouchov.

***SL 51. First-Year Russian.** 4 hours.

Second four weeks, July 16-August 10. Continuation of SL 50. Equivalent of the second term of First-Year Russian given during the regular academic year. 8-10 daily. Tolstouchov.

Spanish

***RL 60. First-Year Spanish.** 4 hours.

First four weeks, June 18-July 13. 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. Powers.

***RL 61. First-Year Spanish.** 4 hours.

Second four weeks, July 16-August 10. Continuation of RL 60. Equivalent of the second term of First-Year Spanish given during the regular academic year. 10-12 daily. Powers.

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. Powers.

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

Geography

Visiting Faculty: JOLLY, KAATZ.

Professor: DICKEN.

Assistant Professor: JOHANNESSEN.

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

- Geog 105. **Introductory Geography.** 3 hours.
A general introduction to the field of geography. Physical geography emphasized. 8 MTuWTh. Kaatz.
- Geog 106. **Introductory Geography.** 3 hours.
A general introduction to the field of geography. Regional geography emphasized. 9 MTuWTh. Kaatz.
- Geog 301. **Geography of Oregon and Pacific Northwest.** 3 hours.
A study of the land forms, climate, population, resources, products, and people of the Pacific Northwest, with emphasis on Oregon. 10 MTuWTh. Dicken.
- Geog 302. **Geography of North America.** 3 hours.
Physical and cultural geography of the North American continent. 11 MTuWTh. Dicken.
- Geog 401, 501. **Research: Geography Summer Field Camp.** 9 hours.
Five weeks, June 11-July 14. Methods and techniques of geographic field investigation. Field work along the Oregon Coast, in the Willamette Valley, and in central Oregon. Johannessen.
- Geog 427. **Geography of the Soviet Union.** (G) 3 hours.
Geographic backgrounds of the Soviet Union; civilization and evolution of present political and economic patterns. 11 MTuWTh. Kaatz.
- Geog 503. **Thesis.** Hours to be arranged.
Dicken.
- Geog 505. **Reading and Conference.** Hours to be arranged.
Dicken.
- Ed 508. **Workshop: Teaching Geography in the Junior High School.** 3 hours.
First four weeks, June 18-July 13. A workshop for present and prospective teachers of geography and/or social studies in the junior high schools of Oregon. The workshop will deal with the types and kinds of geographical knowledge that should be taught at the junior high school level and the 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. 1-3 daily. Jolly.

Geology

Professors: STAPLES, YOUNGQUIST.

- Geol 101. **General Geology.** 4 hours.
The main events of earth history. Lectures, laboratory, field trips. (To be followed in successive summers by Geol 102, 103.) 11 MTuWTh; laboratory arranged. Youngquist.
- Geol 291. **Rocks and Minerals.** 3 hours.
Common minerals and rocks; origin, lore, and properties of precious, semi-precious, and ornamental stones; economically important rocks and minerals. Lectures, laboratory, field trips. 9 MTuWTh; laboratory arranged. Youngquist.
- Geol 405. **Reading and Conference.** Hours to be arranged.
- Geol 406. **Field Geology.** 9 hours.
Geological field work in selected parts of Oregon. Prerequisite: Geol 313, Geol 393, and consent of instructor. Staples.
- Geol 455. **Problems in Physical Geology.** (g) 3 hours.
Survey course designed primarily for teachers of earth science. Origin and composition of rocks and minerals, structure of earth, vulcanism, earthquakes,

molding of landscape by physical processes. Lectures, field trips. 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: BROYLES, BUNN, CUNNINGHAM, DAVIS, KINSFATHER, McMURDO, PRUDDEN, SLOCUM.

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

Associate Professor: RHODA.

Assistant Professors: BRUMBACH, FURRER, REUTER, YOUNGEN.

Instructors: CROOKS, MUNROE, MUNSON, ODEGAARD, VAN ROSSEN, WILEY.

Workshops

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

June 18-July 6. Designed for secondary-school and college teachers. Directed toward the improvement of teaching, with emphasis upon participation, skill improvement and proficiency. Concentrated work in methods of teaching and development of teaching materials. Areas for participation and study:

Basic Movements and Conditioning Activities. 1-2 hours. For women. Theory and practice of basic movements, static and dynamic posture and conditioning activities. Teaching techniques and instructional materials. 8 daily; Woodruff, Prudden, 1 hour credit, June 18-July 6. Bonnie Prudden, guest instructor, will conduct this program during the last week of the workshop. 8-10 a.m. and 7 p.m. daily; Prudden, 1 hour credit, July 1-6.

Folk Dance. 1 hour. For men and women. Beginning and advanced materials. Dance analysis and methods of instruction adapted to needs of students. 9 daily. Dougherty.

Field Sports. 1-2 hours. For women. Theory and practice of field hockey and track and field. Field hockey—skills, team strategies; teaching techniques. Track and field—skills, training, organizational methods. 10-12 daily. Woodruff, Youngen.

Contemporary Dance. 1-2 hours. For men and women. Merce Cunningham, guest artist in dance, will conduct the first two weeks of the dance area of the workshop (June 18-29). Laboratory work in analysis and application of dance materials and methods suitable for teachers and students of the dance; theoretical aspects of the dance, dance as an art form and dance in education. Students may enroll for these two weeks only for 1 hour of credit if they are concurrently enrolled in the Dance Section of the Summer Academy of Contemporary Arts. 10-12 daily. Dougherty.

Tumbling and Rebound Tumbling. 1 hour. For women. Theory and practice of tumbling and rebound tumbling skills adapted to needs of students, teaching techniques and instructional materials. 1 daily.

Fencing. 1-2 hours. For men and women. Analysis of fencing techniques; methods of instruction. 1-3 daily. Van Rossen.

Tennis. 1 hour. For women. Theory and practice of tennis. Tactics in game play and instructional materials. Elementary section, 3 daily; advanced section, 2 daily. Youngen.

Golf. 2 hours. For women. Analysis of skills; rules, course etiquette and instructional materials. 4-6 daily. Kinsfather.

PE 408, 508. Workshop: Elementary-School Rhythms. 2-3 hours.

June 11-16. Theory and content of rhythmic materials for the elementary school; designed for teachers and administrators. Emphasis on creative methods employed in the use of all types of rhythmic activities adapted to appropriate developmental levels. The class will be conducted on a lecture-laboratory basis. 9-12, 1:30-4:30 daily. Dougherty.

Coaching Clinic

PE 406. Coaching Clinic. 2 hours.

June 11-15. Special problems of coaching football, basketball, track and field, wrestling, and injury care. Designed especially to meet the needs of high-school coaches.

Football Coaching.....	8:30-11:45 a.m.	MTu.	Broyles.
	1:15- 3:30 p.m.	MTu.	
	7:00- 9:30 p.m.	M.	
Basketball Coaching.....	3:30- 5:30 p.m.	MTu.	Bunn.
	7:00- 9:30 p.m.	Tu.	
	8:30-11:45 a.m.	W.	
Track Coaching.....	1:15- 3:45 p.m.	WTh.	NCAA Track Coaches.
	9:00-11:45 a.m.	Th.	
Wrestling Coaching.....	3:30- 5:30 p.m.	MTu.	Reuter.
	7:00- 9:30 p.m.	Tu.	
	8:30-11:45 a.m.	W.	
Scientific Principles of Coaching.....	7:00- 9:30 p.m.	WTh.	Bunn.
Care and Prevention of Injuries.....	8:30-11:45 a.m.	F.	Slocum.

Physical Education (Professional Courses)

PE 221. Games for the Elementary School. 2 hours.

Creative games, games of low organization, and fundamental sport skills suitable for elementary children. 2 MTuWTh. Munson.

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 406. Special Problems: Gymnastics and Tumbling. 2 hours.

For both men and women. Instruction in apparatus and tumbling skills, with emphasis on the methods, materials, nomenclature, and criteria for selection of skills in these activities to fit the various grade levels of instruction. 4-5:45 MTuWTh. Sprague.

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

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

PE 437. Contemporary Dance. (G) 1-2 hours.

June 18-28. Theory and demonstrations of experimentation in dance movement and choreography reflecting changes in today's world. Attention will

be directed toward dance as a culturally significant medium alone and in collaboration with other arts. 3-5 MTuWTh. Cunningham.

PE 446. Tests and Measurements in Physical Education. 3 hours.

Use of tests and measurements in physical education; evaluation of objectives, programs, and student achievement through measurement techniques. 3 MTuWTh. Rhoda.

PE 506. Special Problems: Athletic Injuries. 3 hours.

The prevention and avoidance of injury. Analysis of types of injuries, their care and treatment; taping, bandaging, massage, etc. Use of mechanical aids in the prevention and care of injuries, emergency procedures, conditioning against injury. Prerequisite: consent of instructor. 12 MTuWTh. Sigersest.

PE 507. Seminar: Critique in Physical Education. 3 hours.

This course involves a critical analysis of literature, research, and fundamental issues in the field of physical education. 11 TuWThF. Davis.

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

Historical and contemporary philosophies of physical education, with implications for methodology and content of current programs. 9 TuWThF. Davis.

PE 515. History and Theories of Physical Education. 3 hours.

The history of physical education from the Greeks to modern times; emphasis on modern development. 9 TuWThF. Washke.

PE 516. Intramural Organization and Management. 3 hours.

Nature and purposes of intramural programs; history of their development; departmental organization; relationship of the program to physical education instruction. Administrative problems. 1 MTuWTh. Washke.

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. 11 TuWThF. Rhoda.

PE 521. Basic Procedures in Corrective Physical Education. 3 hours.

Common postural deviations; causes; basic principles underlying the prescription of exercise for those conditions which may be handled safely by the physical education teacher; methods of referral when advisable. Prerequisite: Bi 371, 372, PE 472. 2 MTuWTh. Poley.

PE 530. Developmental Program in Physical Education. 3 hours.

Programs to meet individual physical fitness and social needs through physical education activities; case study techniques, developmental programs, development of social traits; administrative problems. Prerequisite: PE 444, 446. 11 TuWThF. Clarke.

PE 533. Techniques of Relaxation. 3 hours.

The common cause of fatigue and neuromuscular hypertension; methods of combating them. Theories underlying techniques of relaxation; application of those techniques in daily living and in activities. 11 TuWThF. 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. 10 TuWThF. Clarke.

PE 551. Administration of Physical Education. 3 hours.

Organization and administration of the physical education program at the college level. 8 TuWThF. Esslinger.

PE 553. Psychology of Motor Skills. 4 hours.

Analysis of research bearing upon the teaching of motor skills. 1 daily. Brumbach.

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

Basic elements and procedures of curriculum construction in physical education; special application at the city, county, and state levels. For supervisors and administrators of physical education programs. 2 MTuWTh. Sprague.

PE 572. 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 371, 372, PE 472, 473. 7:00 p.m. TuTh. Sigerseth.

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

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

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

For men and women. 3-5 MW or 3-5 TuTh. Odegaard.

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

For men and women. 10 or 11 MTuWTh. Wiley.

PE 190 or 390. Handball. 1 hour.

For men. 4 MTuWTh. Rhoda.

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, and nutrition. Satisfies the University requirement in health education for men and women. 11 TuWThF. Crooks.

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. 10 TuWThF. Washke.

HE 407, 507. Seminar: Health Science. 2-3 hours.

June 11-16. Designed for health education teachers on the secondary and college levels and for personnel working in the related health science areas. The latest scientific data and research findings related to modern health problems, such as heart disease, cancer, mental health, environmental sanitation, civil defense, accident prevention, alcohol and narcotic addiction, and exercise and its relations to health, presented by leading authorities in the areas concerned. 9-12, 1:30-4:30 daily. Haar, Furrer.

HE 450. Elementary-School Health Education. 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 TuWThF. McMurdo.

HE 464. Health Instruction. 3 hours.

Methods and materials in health instruction for junior and senior high schools. Emphasis on the construction of health teaching units for Oregon secondary schools. Prerequisite: HE 361, 362, 363 or consent of instructor. 8 TuWThF. McMurdo.

HE 465. School Health Service. 3 hours.

Purpose and procedures of health service in the schools; control of common communicable diseases; technique of pupil health appraisal by the teacher.

Prerequisite: HE 361, 362, 363 or consent of instructor. 9 TuWThF. McMurdo.

HE 467. Driver Education and Training. 3 hours.

Designed to prepare teachers to conduct driver-education courses in the secondary schools. Use of teaching devices, development of instructional units, behind-the-wheel instruction. 2 MTuWTh. Brumbach.

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 courses. 11 TuWThF. Haar.

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

Current basic issues and problems in school health education; economic and social forces affecting health education; implications for programs. 1 MTuWTh. Haar.

History

Visiting Faculty: BATES, FARNHAM, THROCKMORTON.

Professors: BREEN, DULL, SHANAHAN.

Associate Professor: SORENSON.

Assistant Professor: PAUL.

Instructors: BIRN, CARTER, DE LUNA.

Hst 103. History of Western Civilization. 3 hours.

Since 1815. Third term of a year sequence. 9 MTuWTh. Birn.

Hst 202. History of the United States. 3 hours.

The United States 1840-1900. Second term of a year sequence. 10 MTuWTh. Paul.

Hst 407. Seminar: Studies in the Pacific Northwest. 3 hours.

Throckmorton.

Hst 407. Seminar: Aspects of U.S. History 1865-1900. 3 hours.

Paul.

Hst 419. Studies in Western Civilization. (g) 3 hours.

Selected studies in the history of Western civilization in the nineteenth and twentieth centuries, with emphasis upon the rise of democracy, nationalism, imperialism, socialism, the breakdown of colonial empires. Attention to biographies and other readings particularly useful to teachers. 10 MTuWTh. de Luna.

Hst 424. Early Modern Europe. (G) 3 hours.

Political, economic, and cultural history of Europe, 1500-1648. 8 MTuWTh. Carter.

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. 10 MTuWTh. Breen.

Hst 441. History of France. (G) 3 hours.

Old Regime, Revolutionary and Napoleonic era, nineteenth century to 1870. 8 MTuWTh. de Luna.

Hst 459. The Era of Reconstruction. (G) 3 hours.

The problems of the United States in the tragic era following the Civil War;

continuing effects to the end of the nineteenth century. 11 MTuWTh. Farnham.

Hst 466. **Tudor England.** (G) 3 hours.

The political, social, economic, and intellectual development of England through the reigns of the Tudor sovereigns, 1485-1603. 11 MTuWTh. Carter.

Hst 477. **History of the West.** (G) 3 hours.

The expansion of the American frontier into the Great Plains and the Far West. 9 MTuWTh. Farnham.

Hst 479. **Forces and Influences in American History.** (G) 3 hours.

General trends and new interpretations of United States history since Reconstruction. 10 MTuWTh. Bates.

Hst 481. **The United States in the Twentieth Century.** (G) 3 hours.

The United States between the two world wars. Second term of a year sequence. 1 MTuWTh. Bates.

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

From 1860 to the present. 9 MTuWTh. Dull.

Hst 499. **History of Japan.** (G) 3 hours.

From 1853 to the present. 11 MTuWTh. Dull.

Hst 505. **Reading and Conference: Historical Problems of the Pacific.** 2-3 hours.

Dull.

Hst 505. **Reading and Conference: The Supreme Court in U.S. History since 1865.** 2-3 hours.

Paul.

Hst 507. **Seminar: European Historical Theory.** 3 hours.

Sorenson.

Hst 507. **Seminar: Pacific Northwest.** 3 hours.

Throckmorton.

Hst 507. **Seminar: Business and Politics in the United States 1861-1885.** 3 hours.

Farnham.

Hst 507. **Seminar: Aspects of United States History, 1865-1900.** 3 hours.

Paul.

Hst 507. **Seminar: Western European Diplomacy 1917-1939.** 3 hours.

Shanahan.

Hst 520. **Historical Method.** 3 hours.

Introduction to problems and methods of research and writing in history. Bates.

Hst 531. **European History: Problems and Interpretations.** 3 hours.

Readings, reports, and group discussions of major trends, problems, and interpretations of the seventeenth and eighteenth centuries. Birn.

Journalism

Visiting Faculty: PAYNE.

Professors: DUNCAN, HULTENG.

Associate Professors: WALES, WEBB.

Instructor: NESTVOLD.

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. Trout streams run through the city.

ON THE CULTURAL SIDE

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, arena theater, and a new outdoor Carnival Theater.

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.



STRICTLY FOR FUN

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.

J 341. Principles of Advertising. 3 hours.

First four weeks, June 18-July 13. Advertising as a factor in the distributive process; the advertising agency; the "campaign"; the function of research and testing; the selection of media: newspapers, broadcasting, magazine, outdoor, direct mail. 8-10 daily. Wales.

J 361. Reporting. 3 hours.

Basic training in news gathering and writing. 10 MTuWTh. Nelson.

J 405. Reading and Conference. 1-3 hours.**J 455. Supervision of School Publications.** (G) 3 hours.

Second four weeks, July 16-August 10. The teacher's role in guiding student publications in the secondary school; all phases of student newspaper and yearbook work. 1-3 daily. Payne.

J 459. Publicity and Public Relations. (G) 3 hours.

First four weeks, June 18-July 13. Basic techniques and methods in publicity programs for schools and other public institutions, business and professional fields, and special-interest groups; relationship of publicity to broader concept of public relations; special emphasis on school public relations. 10-12 daily. Wales.

J 501. Research. 1-3 hours.**J 503. Thesis.** 1-9 hours.**J 505. Reading and Conference.** 1-3 hours.

Librarianship

Visiting Faculty: LANE.

Professors: HINTZ, MORRISON.

Assistant Professors: MCCOLLOUGH, OSTWALD, PIERRON.

Library classes will meet for two-hour sessions, Monday through Thursday. All courses are organized on a four-week basis, with work scheduled for both the first and the second weeks of the summer session. Two courses totaling 6 term hours of credit, constitute a full student load for either of the four-week periods.

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

First four weeks, June 18-July 13. Study of reference materials and services, and of correct bibliographical form; practical problems in the use of reference books in school libraries. 8-10 MTuWTh. Lane.

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

First four weeks, June 18-July 13. Planned for school administrators as well as librarians. Emphasis on the place of the library in the instructional program. Problems of support and control; housing and equipment; standards; evaluation; objectives. 3-5 MTuWTh. Lane.

Lib 485. Advanced Bibliography and Reference. (G) 3 hours.

Second four weeks, July 16-August 10. Continuation of Lib 481, with emphasis on reference books in the various subject fields; practical experience in bibliography making. Prerequisite: Lib 481 or consent of instructor. 8-10 MTuWTh. Pierron.

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

First four weeks, June 18-July 13. Instruction and practice in simplified procedures for the acquisition, preparation, classification, and cataloging of books and related library materials. 1-3 MTuWTh. Pierron.

- Lib 487. Cataloging and Classification.** (G) 3 hours.
Second four weeks, July 16-August 10. Principles and methods of classification and cataloging of books and related materials. Attention to the more difficult problems in the cataloging and recording of material. Prerequisite: Lib 486. 1-3 MTuWTh. Pierron.
- Lib 488. Books and Related Materials for Young People.** (G) 3 hours.
First four weeks, June 18-July 13. The selection and evaluation of books and other materials for the junior and senior high-school library; a study of adolescent reading interests and the library's role in reading guidance. 10-12 MTuWTh. Ostwald.
- Lib 490. Children's Literature.** (G) 3 hours.
Second four weeks July 16-August 10. Designed to give elementary-school teachers and librarians an acquaintance with children's books and their use in the curriculum. 10-12 MTuWTh. Ostwald.
- Lib 491. Storytelling.** (G) 3 hours.
Second four weeks, July 16-August 10. Study of literature suitable for oral presentation to children of all ages. Instruction and practice in the techniques of the art of storytelling. 1-3 MTuWTh. Ostwald.
- Lib 493. Literature of the Humanities.** (G) 3 hours.
First four weeks, June 18-July 13. Survey of library materials in the humanities; criteria for evaluation and selection. 1-3 MTuWTh. McCollough.
- Lib 495. Literature of the Social Sciences.** (G) 3 hours.
Second four weeks, July 16-August 10. Survey of library materials in the social sciences; criteria for evaluation and selection. 3-5 MTuWTh. Morrison.
- Lib 505. Reading and Conference.** Hours to be arranged.
- Lib 511. History of the Book.** 3 hours.
Second four weeks, July 16-August 10. History of the written and printed book, from graphic communication in prehistoric times to modern book publishing. 10-12 MTuWTh. Hintz.

Mathematics

Visiting Faculty: KOZELKA, MOYLES, JENNINGS.

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 an interdisciplinary 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 plans to offer these courses on a rotating basis so that a student may complete all of them in at most four summers. Mth 479, Mth 498, Mth 487 and Mth 599 are being offered this summer. A special course, Mth 111 suitable for elementary school and junior high-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. Formerly Mth 51. 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.

June 18-August 24. For selected upper-division students. Topics to be announced. Several 1-4 hour credit seminars will be organized.

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. Kozelka.

Mth 479. Algebra. (g) 3-4 hours.

An introduction to linear algebra, vector spaces, matrices and determinants, applications to coordinate geometry. 1 daily. Moyles.

Mth 487. Geometry. (g) 4 hours.

Difficult points in elementary geometry; length, area, volume and the related limit problems; early introduction of coordinate geometry, locus problems. 11 daily.

Mth 498. Analysis. (g) 4 hours.

Sets of points, real numbers, the function concept, limits, continuity, derivatives, integrals, the fundamental theorem, applications. 8 daily. Maier.

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 599. Analysis. 3-4 hours.

Introduction to real variable theory. 8 daily. Moursund.

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 tuition, 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. The courses listed below should prove to be of particular interest.

- Mth 457. Foundations of Arithmetic and Elementary Algebra.** (g) 3-4 hours.
Axiomatic development of the number system in elementary and high-school mathematics; critical examination of algebraic techniques with special reference to the solution of linear and quadratic equations; other topics as time permits. 9 daily. Jennings.
- Mth 461. Irrational Numbers.** (g) 2 hours.
First four weeks, June 18-July 13. The place of irrational numbers in the structure of the real number system. 10 daily. Niven, Ghent.
- Mth 462. Introduction to Electronic Computers and Computing.** (g) 2 hours.
Second four weeks, July 16-August 10. An IEM 1620 Computer is available. 2 MTuWTh; 10 F. Staff of the Computing Center.

Music

Visiting Faculty: BRESGEN, KRAUS.

Professors: CYKLER, KRATT, VAGNER.

Associate Professors: BAILEY, GREEN, GUSTAFSON, HLADKY, KELLER, LEE, RISINGER.

Assistant Professor: CUNNINGHAM.

Instructor: MAVES.

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.

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

Piano—Green.

Voice—Bailey.

Violin—Maves.

Cello—Hladky.

Woodwind Instruments—Cunningham, Vagner

Brass Instruments—Lee.

Mus 290. Applied Music. 1-2 hours.

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

MuE 332. Violin and Viola. 1 hour.

Class study of the violin and its place in the string family; rudiments of viola technique. Designed to prepare teachers for both the elementary and the secondary schools.

MuE 347. Clarinet and Saxophone. 1 hour.

Class instruction in fundamental problems involved in the playing of the clarinet and saxophone. Designed to prepare teachers for both the elementary and the secondary schools. 11 TuTh. Vagner.

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, 3 MTuThF.

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.

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

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

Mus 395. **Band.** 1 hour.

Interpretation and performance of band literature, including the reading of selected music for high school band. Open to all students. 8 daily. Vagner.

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

The preparation of a significant choral work in the large form for public performance at the close of the summer session. Open to all students. 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. 4 MWF. Keller.

Mus 407. **Seminar: Orchestration.** (G) 2 hours.

11 MWF. Keller.

Mus 407. **Seminar: Comparative Arts.** (G) 3 hours.

A comparative study of music, painting, sculpture, and architecture and their styles as indicative of common expressive ideals in the arts. 8 MTuWTh. Cykler.

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

Designed especially for teachers, to stimulate interest in composition and in the arranging of choral and instrumental ensembles in the public school. 2 MWF. Keller.

MuE 407. **Seminar: Music in the Secondary School.** (G) 3 hours.

Curricula, organization, methods, and materials in all aspects of the secondary-school program. 10 MTuThF. Gustafson.

MuE 407. **Seminar: Music History and Theory in the Secondary School.** (G) 3 hours.

The teaching of music history and theory in the secondary school, as separate courses and integrated with instrumental and vocal classes. 9 MTuThF. Gustafson.

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

First four weeks, June 18-July 13. Problems in teaching woodwind instruments. Prerequisite: prior experience in the teaching of woodwind instruments, or consent of instructor. 3 daily. Vagner.

MuE 407. **Seminar: Wind-Instrument Literature.** (G) 2 hours.

Survey of wind-instrument literature from the sixteenth through the twentieth century, with emphasis on interpretation. 1 MWF. Vagner.

MuE 407. **Seminar: String Instrument Techniques for Public Schools.** (G) 2 hours.

Principles and problems of teaching violoncello and double bass instruments. Designed for teachers in elementary and secondary schools. 11 MWF. Hladky.

MuE 407. **Seminar: Brass Instruments.** (G) 2 hours.

Second four weeks, July 16-August 10. Problems in teaching brass instruments. Prerequisite: prior experience in the teaching of brass instruments, or consent of instructor. 3 daily. Lee.

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

Romantic period. 10 MTuThF. Cykler.

- Mus 428. 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 437. Contemporary Music.** (G) 1-2 hours.
July 16-26. A study of improvisation and its uses in relation to musical composition. Special attention given to trends of the last decade. 3-5 MTuWTh. Bresgen.
- Mus 445. String Literature for Public Schools.** (G) 2 hours.
Repertory for orchestra and other string groups in elementary and secondary schools. Problems of leadership, presentation, organization, and program planning. 2 MWF. Hladky.
- Mus 490. Applied Music.** 1-2 hours.
Senior year. Continuation of Mus 390. For instructors, see Mus 190.
- Mus, MuE 501. Research.** Hours to be arranged.
- 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 523. Interpretation of Choral Literature.** 2 hours.
Detailed study of choral literature. Emphasis on the conducting problems of each individual work. Interpretation, tradition, etc. Prerequisite: Mus 441, 442, 443, or equivalent; consent of instructor. 10 MWF. Risinger.
- MuE 533. Music in the Elementary School.** 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. 11 MTuThF. Gustafson.
- Mus 590. Applied Music.** 1-4 hours.
Individual instruction in piano, voice, organ, harpsichord, and orchestral and band instruments, at the graduate level. Prerequisite: qualifying examination for graduate standing. For instructors, see Mus 190.

Workshops in International Music Education

- MuE 408. Workshop in Comparative Music Education.** (G) 3 hours.
July 2-13. A presentation of the various European methods employed in the public schools. The Ward, Sol-fa, and Orff methods described and demonstrated with class participation and exercises. 3-5 MTuWTh. Kraus.
- MuE 408. Workshop in General Music.** (G) 3 hours.
July 2-13. Methods, materials and presentation of the required music course in the secondary schools of Germany. Class exercises. 7-9 p.m. MTuWTh. Kraus.
- MuE 408. Workshop in Musical Improvisation as a Tool for Music Teaching.** (G) 3 hours.
July 16-27. Demonstration and class participation in music improvising as a teaching device. 9-11 MTuWTh. Bresgen.
- Mus 408. Workshop in Choral Literature and Interpretation.** (G) 3 hours.
July 16-27. Old and new choral literature as used in European schools. Its presentation and interpretation. 7-9 p.m. MTuWTh. Kraus.

High-School Music Summer Sessions

Two special music summer sessions for high-school students will be held on the campus: June 17-June 30 for band students; July 1-July 14 for orchestra students. Observation of the rehearsals of these high-school groups will be interesting and valuable to high school music teachers. Tuition for each of the sessions, \$22.50. Room and board for each of the sessions, \$47.50.

Philosophy

Professors: CASTELL, JESSUP.

Assistant Professor: ZWEIG.

Phl 203. **Elementary Logic.** 3 hours.

An introduction to the study of reasoning. How to recognize, analyze, criticize, and construct the main types of argument and proof. 8 MTuWTh. Zweig.

Phl 303. **History of Philosophy (Modern Period).** 3 hours.

A survey of the dominant themes and figures in European and American philosophy during the nineteenth and twentieth centuries, including idealism, existentialism, pragmatism, positivism, etc. 10 MTuWTh. Zweig.

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

Phl 435. **Existentialism.** (G) 3 hours.

The basic ideas of the Christian and atheistic divisions of the existentialist movement; reading of selected works of Kierkegaard, Jaspers, Heidegger, and Sartre; some attention to precursors and to the general modern philosophical situation which negatively has generated the existentialist "rebellion." 11 MTuWTh. Jessup.

Phl 441. **Aesthetics.** (G) 3 hours.

A study of aesthetic fact and value of the relation of aesthetic interest to other human interests, such as the moral, the intellectual, and the religious. 9 MTuWTh. Jessup.

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

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

Physics

Professors: ELLICKSON, POWELL.

Assistant Professor: WELLS.

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

Basic introductory treatment of physics, chemistry, and astronomy. Designed particularly for the teacher of general science in elementary or secondary schools. 10 daily. Ellickson.

Ph 204, 205, 206. **General Physics Laboratory.** 1 hour.

To accompany Ph 101, 102, 103 or Ph 201, 202, 203. Powell.

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

Radioactivity and nuclear radiations, nuclear structure, isotopes, particle accelerators, nuclear fission. Special attention to the problem of presenting these topics to the high-school student. This course, together with Atomic Physics (Ph 415), form a two-summer sequence in modern physics. Not

- equivalent of Modern Physics (Ph 411, 412, 413) offered in the regular academic year. 9 daily. Powell.
- Ph 501. **Research.** Hours to be arranged.
Instruction may be arranged for the eleven-week session or for the eight-week session.
- Ph 503. **Thesis.** Hours to be arranged.
Instruction may be arranged for the eleven-week session or for the eight-week session.
- Ph 505. **Reading and Conference.**
Instruction may be arranged for the eleven-week session or for the eight-week session.
- Ph 507. **Seminar: Theoretical Physics.** Hours to be arranged.
Eleven weeks, June 18-August 24. Powell.
- Ph 507. **Seminar: Nuclear Physics.** 4 hours.
Eleven weeks, June 18-August 24. Wells.
- Ph 507. **Seminar: Foundations of Physics.** 4 hours.
The basic principles of physics, with special attention to those commonly considered in high-school physics courses. Construction, use, and care of laboratory and demonstration equipment. Ellickson.

Political Science

Associate Professor: AGGER.

Assistant Professors: MARQUIS, MITCHELL.

Instructors: FISZMAN, GOLDSTEIN, SHELDON.

- 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 MTuWTh. Mitchell.
- PS 205. **International Relations.** 3 hours.
An introductory course presenting intellectual tools for the analysis of relations among nations; the nature of international relations. Contemporary issues for reference and illustration. 9 MTuWTh. Fiszman.
- PS 405. **Reading and Conference.** Hours to be arranged.
- PS 414. **Political Parties and Public Opinion.** (G) 3 hours.
Analysis of the structure and functions of political parties and public opinion.
11 MTuWTh. Goldstein.
- PS 427. **Government and Politics of the Soviet Union.** (G) 4 hours.
Institutions, politics, policies of the Soviet Union. 11 daily. Fiszman.
- PS 442. **Foreign Policy of the Major Powers.** (G) 4 hours.
A systematic and comparative study of the foreign policies of the Soviet Union, China, Japan, India. 9 daily.
- PS 450. **Public Education and the New Politics of Discontent.** (G) 3 hours.
Recent trends in ideologies, including the birth of progressive conservatism, the New Frontier, and the radical right; shifts in educational decision-making in the Federal system. 9 MTuWTh. Agger.
- PS 451. **Comparative European Government: The Politics of Education.** (G) 3 hours.
Focus on educational policy within the framework of European political institutions and processes. 8 MTuWTh. Marquis.

- PS 501. **Research.** Hours to be arranged.
- PS 503. **Thesis.** Hours to be arranged.
- PS 505. **Reading and Conference.** Hours to be arranged. Fizman.
- PS 507. **Seminar: American Foreign Policy.** 3 hours.
Basic issues and programs of American foreign policy.
- PS 507. **Seminar: Theory and Nature of Democracy.** 3 hours.
Alternative conceptions of democracy; the social, economic, and psychological conditions for the development and maintenance of democracies. 10 MTuWTh. Mitchell.
- PS 507. **Seminar: Problems of Development Administration.** 8 hours.
Problems of development administration in Southeast Asia, with other illustrative examples and studies; economic, political, and social development and the various mechanisms used for such purposes. Faculty participants will include persons who have had practical experience in development assistance programs. Students will share research responsibilities with senior faculty members. 10-12 daily. Gange, Allen, staff.
- PS 507. **Seminar: Scope and Methods of the Social Sciences.** 3-6 hours.
The background and perspectives of each of the social-science disciplines—anthropology, economics, political science, psychology, and sociology. Selected aspects of social organization and processes considered in detail. 8-10 daily. Goldstein, Fosmire, Wallace, Foskett, Koplin, Tope.
- 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, Marquis, Dykstra.

Psychology

Visiting Faculty: BARKER, DALLENBACH, MUSSEN.

Associate Professors: FOSMIRE, SUNDBERG.

Assistant Professors: BREGER, STRAUGHAN.

- Psy 201. **General Psychology.** 3 hours.
Introductory study of behavior and conscious processes; survey of experimental studies of motivation, learning, thinking, perceiving, and individual differences. 8 MTuWTh.
- Psy 204. **Psychology of Adjustment.** 3 hours.
The nature and origins of differences in personality; means of making desired changes. 9 MTuWTh.
- Psy 401. **Research.** Hours to be arranged.
- Psy 403. **Thesis.** Hours to be arranged.
- Psy 405. **Reading and Conference.** Hours to be arranged.
- Psy 407. **Seminar: Highlights of the History of Psychology.** (G) 3 hours.
Outstanding developments in psychological thought, considered especially from the standpoint of the personal and scientific backgrounds which made them possible. 10 MTuWTh. Dallenbach.
- Psy 407. **Seminar: Mental Health.** (G) 6 hours.
June 10-August 17. Special mental health work study program sponsored by the Western Interstate Commission for Higher Education. (Application for

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. 11 MTuWTh. Breger.
- Psy 436. **Character and Personality.** (g) 3 hours.
Major theories of personality development and function. Prerequisite: Psy 204 or equivalent. 9 MTuWTh. Breger.
- Psy 450. **Abnormal Psychology.** (g) 3 hours.
A comprehensive coverage of the various forms of abnormal behavior, including neuroses, psychoses, character disorders, etc. 10 MTuWTh. Breger.
- Psy 460. **Developmental Psychology I: Infancy and Childhood.** (g) 3 hours.
First four weeks, June 18-July 13. 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. 10-12 MTuWTh. Mussen.
- Psy 461. **Developmental Psychology II: Adolescence and Maturity.** 3 hours.
Second four weeks, July 16-August 10. 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. 1-3 MTuWTh. Barker.
- 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 MTuWTh. Fosmire, Wallace, Foskett, Goldstein, Koplín, Tope.
- 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.
- Psy 532. **Advanced Personality Assessment.** 3 hours.
Practicum work and coverage of the assessment literature in psychology; principles and methods of personality measurement by observational techniques, rating scales, sociometrics, situational testing and interviewing, structured inventories, etc. 2-4 TuTh. Breger.

Sociology

Visiting Faculty: BATES.

Professors: BERREMAN, FOSKETT, MARTIN, PELLEGRIN.

Associate Professor: JOHANNIS.

Assistant Professor: POLK.

Soc 204. General Sociology. 3 hours.

The basic findings of sociology concerning the individual, culture, group life, social institutions, and social change. First term of a three-term sequence. 11 MTuWTh. Berreman.

Soc 308. World Population and Social Structure. 3 hours.

Introduction to the general field of population studies, providing within a sociological framework an analysis of historical, contemporary, and anticipated population conditions and trends, as they are related to social situations and the organization of society. Prerequisite: Soc 204, 205, 206 or Soc 307. 8-9:40 TuTh. Martin.

Soc 401. Research. Hours to be arranged.**Soc 403. Thesis for Honors Candidates.** Hours to be arranged.**Soc 405. Reading and Conference.** Hours to be arranged.**Soc 407. Seminar: Community Leadership Structure.** (G) 3 hours.

The policy-formulation process in the local community. Various approaches to the study of community leadership will be examined, and the basic literature reviewed. Special attention to the policy-formulation process in public education 1-2:40 MW. Pellegrin.

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

June 10-August 17. Special mental health work study program sponsored by the Western Interstate Commission for Higher Education. (Application for this seminar must be made by April 15 to Dr. Herbert Bisno, Department of Sociology, University of Oregon.) Bisno, Sundberg.

Soc 407. Seminar: Role Theory. (G) 3 hours.

Role theory applied to the analysis of social structure from small groups to complex structures. 1-2:40 TuTh. Bates.

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 MW. Johannis.

Soc 465. Sociology of the Family. (G) 3 hours.

The family as a social institution, and its relation to other institutions. Prerequisite: 9 hours in sociology. 11 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 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. Foskett, Wallace, Koplín, Tope, Fosmire, Goldstein.

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. Particular emphasis on the fundamental research underlying human behavior as a basis for the theory and practice of administrative behavior. 10-12 MTuWTh. Dubin, Jacobson, Marquis, Dykstra.

Speech

Professors: ROBINSON, WOOD.

Associate Professors: COHEN, DAHLBERG, KRETSINGER, SHEPHERD.

Assistant Professors: CHRISTENSEN, MCGRAW, PECK.

Instructors: JACOBS, WISMER.

TV Technician: MURPHY.

Sp 112. **Fundamentals of Speech.** 3 hours.

Performance in speaking with emphasis on special patterns and organization, audience attitude analysis, principles of persuasion, suggestion and attention. 8 MTuWTh. Dahlberg.

Sp 241. **Fundamentals of Broadcasting.** 2 hours.

General survey of broadcasting, including history, growth, social aspects, laws and policies, station and network organization, programming, the advertiser, the listener, public interest, standards of criticism, comparison of broadcast systems, international broadcasting and propaganda. 10 MTuWTh. Shepherd.

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

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

Sp 311. **Advanced Interpretation.** 2 hours.

The application of the principles of oral reading to literature. 9 MTuW. McGraw.

Sp 315. **Costume Workshop.** 3 hours.

Instruction in the art and craft of stage costuming; practical experience in the design, construction, and maintenance of stage costumes. 10 MTuWTh. Wismer.

Sp 353. **Advanced Acting.** 3 hours.

Advanced problems in acting technique; study, rehearsal, and performance. McGraw.

Sp 365. **Direction of Children's Theater.** 3 hours.

History and objectives of theatre for the child audience; survey of existing professional and community children's theater programs; technique of acting, directing, and producing plays for children. 11 MTuWTh. McGraw.

Sp 370. **Phonetics.** 3 hours.

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

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

Instruction in speech and speech forms designed for use in the school classroom. 11 MTuWTh. Dahlberg.

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

British oratory from Pitt to modern times. 10 MTuWTh. Cohen.

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

Forms and techniques of public speaking as they relate to leadership in special situations; forums, symposiums, panels; parliamentary procedures; speeches to convince, inspire, actuate. Special attention to needs of administrative personnel. Class to be conducted on a workshop basis. 10 MTuWTh. Dahlberg.

Sp 438. **Contemporary Drama.** (G) 1-2 hours.

Contemporary drama as related to the actor. An investigation of the art of acting and its aesthetic and sociological impact on the layman.

- Sp 448. **Radio-Television and the Public.** 3 hours.
The influence and importance of broadcasting as a social, political, and cultural force. 8 MTuWTh. Shepherd.
- Sp 460. **Advanced Play Direction.** (G) 3 hours.
Advanced theory and practice in direction of plays for public performance. Robinson.
- Sp 464. **History of the Theater.** (G) 3 hours.
A historical study of the theater from ancient times to the Renaissance. 9 MTuWTh. Wismer.
- Sp 483. **Speech Pathology.** (G) 3 hours.
Public school speech correction; specific techniques in diagnosis and treatment of major speech problems. 2 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. (Write to the Director, Speech and Hearing Clinic, University of Oregon, if you plan to register for this course in the summer session.)
- Sp 487. **Audiology.** (G) 3 hours.
Anatomy of the ear. psychophysics of hearing, physical attributes of speech sounds, types and causes of hearing loss, speech involvements in deafness. 11 MTuWTh. 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.
Peck.
- Sp 507. **Seminar: Introduction to Graduate Study.** 3 hours.
1 MTuWTh. Cohen.
- Sp 507. **Seminar: Special Problems in Speech Pathology.** 3 hours.
Christensen.
- Sp 507. **Seminar: Directing the High-School and College Forensic Program.** 3 hours.
2 MTuWTh. Cohen.
- Sp 508. **Workshop: Educational Television.** 4 hours.
June 11-22. An intensive program of class and laboratory work, for teachers and administrators, in the arts and skills of production and performance in education by television. Kretsinger, Jacobs, Murphy.
- Sp 544. **Radio-Television Program Evaluation.** 3 hours.
Background and development of broadcast measurements; experimental and survey procedures applicable to the testing of hypotheses in these media. Shepherd.
- Sp 551. **Theory of Dramatic Production.** 3 hours.
Theory of acting. 8 MTuWTh. Robinson.

World Affairs Program

The Fifth Summer World Affairs Program of the University of Oregon will consist of an eight-week research seminar concerned with development administration in Southeast Asia, designed for graduate students only. University faculty members will be assisted by visiting scholars in connection with special aspects of the problem.

Qualified students may be eligible for summer fellowships for this seminar. Those desiring to apply for fellowships should write to the Director, Institute of International Studies and Overseas Administration.

The Summer World Affairs Program will also include lectures and panel discussions on international affairs open to all students and the public.

Ec, PS 507. **Seminar: Problems of Development Administration.** 8 hours.

Problems of development administration in Southeast Asia, with other illustrative examples and studies; economic, political, and social development and the various mechanisms used for such purposes. Faculty participants will include persons who have had practical experience in development assistance programs. Students will share research responsibilities with senior faculty members. May not be taken as credit toward advanced degrees by candidates in economics. 10-12 daily. Gange, Allen, staff.

Juvenile Courts Program

A Juvenile Court Summer School will be held on the University campus the week of August 20 through 24. This program is sponsored jointly by the University's Center for Social Service Research and Training and the Oregon Juvenile Judges Association. It is planned as in-service training for juvenile correctional personnel in Oregon and as graduate training for students enrolled in the Center's graduate program in juvenile correction.

A special fee on a daily or a five-day basis is required for participation. Two hours of University credit may be obtained by registering with adviser's approval in Seminar: Juvenile Delinquency, offered in the 507 seminar series by the Departments of Psychology, Sociology, and the School of Education.

For additional information write to: Co-Director for Juvenile Correction, Center for Social Service Research and Training, University of Oregon.

Ed, Psy, Soc 507. **Seminar: Juvenile Delinquency.** 2 hours.

August 20-24. Designed for graduate students interested in juvenile correction. Daily lecture and workshop sessions present an interdisciplinary, behavioral-science approach to the problem of delinquency prevention and control. Distinguished judges and behavioral scientists featured. Prerequisite: consent of instructor. Daily. Polk, staff.

Summer Academy of Contemporary Arts

The fourth annual Summer Academy of Contemporary Arts will be held on the University campus during the 1962 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 performance appropriate to his field.

The faculty of the Summer Academy of Contemporary Arts will include R. Buckminster Fuller, whose philosophy and design strategy has initiated the well-known geodesic domes, Merce Cunningham, one of the leading figures in American contemporary dance, Kenneth Rexroth, American poet and writer, Cesar Bresgen, prominent European composer and conductor, and a distinguished actor whose name will be announced at a later date.

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. Attendance at the discussion periods is optional.

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. Visitors' 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.

Sp 438. Contemporary Drama. (G) 1-2 hours.

July 30 to August 8. Contemporary drama as related to the actor. An investigation of the art of acting and its aesthetic and sociological impact on the layman. 1-3 MTuWTh.

Eng 438. Contemporary Poetry. (G) 1-2 hours.

July 30 to August 8, British and American poetry since about 1940. 3-5 MTuWTh. Kenneth Rexroth.

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

July 16 to 26. A study of improvisation in relation to musical composition. Special attention given to trends of the last decade. 3-5 MTuWTh. Cesar Bresgen.

PE 437. Contemporary Dance. (G) 1-2 hours.

June 18 to 28. Theory and demonstration of experimentation in dance movement and choreography reflecting changes in today's world. Attention will be directed toward dance as a culturally significant medium alone and in collaboration with other arts. 3-5 MTuWTh. Merce Cunningham.

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

July 2 to 12. The impact of science and technology on the concept of form and function and the consequences and anticipations in this century of the "trend toward invisibility." 3-5 MTuWTh. R. Buckminster Fuller.