

# Summer Session

UNIVERSITY OF OREGON

June 22 to August 14

1953



UNIVERSITY OF OREGON **BULLETIN**

Oregon State System of Higher Education

# University of Oregon Summer Session

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## Oregon State System of Higher Education

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

The institutions of the State System of Higher Education are the University of Oregon at Eugene, Oregon State College at Corvallis, the Oregon College of Education at Monmouth, the Southern Oregon College of Education at Ashland, and the Eastern Oregon College of Education at La Grande. The University of Oregon Medical School and the University of Oregon Dental School are located in Portland.

Each of the five institutions provides the general studies fundamental to a well-rounded education. At the three colleges of education general and professional studies are combined in the teacher-training curriculum; students who do not plan to become elementary-school teachers may devote their time exclusively to lower-division studies in the liberal arts and sciences or (at Southern Oregon and Eastern Oregon colleges of education) to approved lower-division programs in semiprofessional fields.

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

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

## Table of Contents

OREGON STATE SYSTEM OF HIGHER EDUCATION.....	2
STATE SYSTEM OFFICERS.....	4
FACULTY.....	5
CALENDAR.....	10
GENERAL INFORMATION .....	10
SPECIAL PROGRAMS.....	16
DESCRIPTION OF COURSES.....	18
Anthropology.....	18
Architecture and Allied Arts.....	18
Biology.....	20
Business Administration.....	20
Chemistry.....	21
Economics.....	22
Education.....	22
English.....	31
Foreign Languages.....	32
Geography.....	33
Geology.....	33
Health and Physical Education.....	34
History.....	37
Journalism.....	38
Library Methods.....	38
Mathematics.....	39
Music.....	40
Philosophy.....	42
Physics.....	43
Political Science.....	43
Psychology.....	43
Sociology.....	44
Speech.....	45

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President, Oregon College of Edu-  
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# University of Oregon Summer Session 1953

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CHARLES D. BYRNE, D.Ed., Chancellor, Oregon State System of Higher Edu-  
cation.

HARRY K. NEWBURN, Ph.D., President, University of Oregon.

PAUL B. JACOBSON, Ph.D., Director, University of Oregon Summer Sessions.

JOEL V. BERREMAN, Ph.D., Chairman, Committee on General Studies.

DOROTHY STALLEY, Secretary of Summer Sessions.

ELDON L. JOHNSON, Ph.D., Dean of the Graduate School.

CLIFFORD L. CONSTANCE, M.A., Registrar.

J. ORVILLE LINDSTROM, B.S., Business Manager.

CARL W. HINTZ, Ph.D., Librarian.

EARL M. PALLET, Ph.D., Director of Teacher Placement.

DONALD M. DUSHANE, M.A., Director of Student Affairs.

GOLDA WICKHAM, B.S., Associate Director of Student Affairs.

N. RAY HAWK, D.Ed., Associate Director of Student Affairs.

H. PHILIP BARNHART, B.S., Director of Dormitories.

RICHARD C. WILLIAMS, B.S., Director of Student Union.

DONALD ALLTON, Mus. M., A.A.G.O., Assistant Professor of Organ and Theory  
of Music.

EXINE M. ANDERSON, M.A., Assistant Professor of Voice.

GEORGE F. ANDREWS, B.S., Reg. Archt., Assistant Professor of Architecture.

CURTIS AVERY, M.A., Director of E. C. Brown Trust; Professor of Education.

LOIS I. BAKER, M.A., Instructor in Library Science.

EWART M. BALDWIN, Ph.D., Associate Professor of Geology; Curator of Condon  
Museum of Geology.

WESLEY C. BALLAINE, Ph.D., Professor of Business Administration; Director,  
Bureau of Business Research.

THOMAS O. BALLINGER, M.A., Assistant Professor of Art and Education.

EDWIN R. BINGHAM, Ph.D., Assistant Professor of History.

HERBERT BISNO, M.A., Assistant Professor of Sociology.

GEORGE BOUGHTON, Mus.M., Associate Professor of Violin.

WILLIAM J. BOWERMAN, B.S., Instructor in Physical Education; Head Track Coach; Assistant Football Coach.

ALBUREY CASTELL, Ph.D., Professor of Philosophy; Head of Department.

LIONEL T. CHADWICK, B.Arch., Reg. Archt., Instructor in Architecture.

MARJORIE CHESTER, B.A., B.S. in L.S., Director of School Libraries, Salem; Visiting Instructor in Library Science.

ALBERT CHRISTENSEN, Ph.D., Planning Consultant for Falk and Booth, Architects, San Francisco; Visiting Professor of Education.

PAUL CIVIN, Ph.D., Associate Professor of Mathematics.

ROBERT D. CLARK, Ph.D., Professor of Speech; Assistant Dean of the College of Liberal Arts.

LOYD R. COLLINS, M.S., Field Assistant in Anthropology.

LUTHER S. CRESSMAN, Ph.D., Professor of Anthropology; Head of Department.

EDMUND A. CYKLER, Ph.D., Professor of Music.

FRANCIS E. DART, Ph.D., Assistant Professor of Physics.

HOWARD E. DEAN, Ph.D., Assistant Professor of Political Science.

SAMUEL N. DICKEN, Ph.D., Professor of Geography and Geology; Head of Department.

MILTON DIETRICH, M.Mus., Assistant Professor of Music.

MARY PEACOCK DOUGLAS, B.A., B.S. in L.S., Supervisor of Libraries, Raleigh Public Schools, North Carolina; Visiting Instructor in Library Science.

CHARLES T. DUNCAN, M.A., Associate Professor of Journalism.

RAYMOND T. ELLICKSON, Ph.D., Professor of Physics; Head of Department.

KARL ERNST, M.Mus., Supervisor of Music, Portland Public Schools; Visiting Instructor in Music.

ROBERT R. FERENS, M.Arch., Assistant Professor of Architecture.

JOHN M. FOSKETT, Ph.D., Associate Professor of Sociology.

KEITH GOLDHAMMER, M.A., Teaching Fellow in Education.

ROBERT C. GORDON, Ph.D., Instructor in English.

GEORGE GORIN, Ph.D., Assistant Professor of Chemistry.

STACEY L. GREEN, Mus.M., Associate Professor of Piano.

CARL GUTMANN, M.Mus., Band Director, Hillsboro High School; Visiting Instructor in Woodwind.

FRANKLIN B. HAAR, Ph.D., Professor of Health Education.

DAVID P. HATCH, M.A., Instructor in Art.

WALLACE S. HAYDEN, B.Arch., Reg. Archt., Associate Professor of Architecture.

W. GEORGE HAYWARD, D.Ed., Principal of Elmwood School, East Orange, New Jersey; Visiting Associate Professor of Education.

ARTHUR C. HEARN, D.Ed., Associate Professor of Education.

JOY HILLS, M.A., Assistant Superintendent of Public Instruction, Oregon State Department of Education; Visiting Instructor in Education.

CLARENCE HINES, D.Ed., Superintendent of Schools, Eugene; Visiting Professor of Education.

HUBERT H. HOELTJE, Ph.D., Professor of English.

VERNA HOGG, M.S., Consultant on Education of Children with Psychological Problems, Oregon State Department of Education; Visiting Instructor in Education.

RALPH R. HUËSTIS, Ph.D., Professor of Biology; Head of Department.

FREDERICK J. HUNTER, M.A., Instructor in Speech.

BURTON INGWERSEN, B.S., Line Coach, University of Illinois; Visiting Instructor in Physical Education.

PAUL B. JACOBSON, Ph.D., Dean of the School of Education; Professor of Education.

ALEXANDER JARDINE, D.Ed., Superintendent of Schools, Moline Public Schools, Illinois; Visiting Professor of Education.

BERTRAM E. JESSUP, Ph.D., Associate Professor of Philosophy.

CARL L. JOHNSON, Ph.D., Associate Professor of Romance Languages.

WILLIAM C. JONES, Ph.D., Dean of Administration.

PAUL E. KAMBLY, Ph.D., Professor of Education.

CLYDE KEUTZER, M.A., Director, School of Music, College of Puget Sound; Visiting Associate Professor of Music.

PAT A. KILLGALLON, D.Ed., Professor of Education.

DONALD H. KIRSCH, B.S., Instructor in Physical Education; Head Baseball Coach; Freshman Basketball Coach.

PAUL L. KLEINSORGE, Ph.D., Professor of Economics.

LEROY R. KLEMM, Ph.D., Assistant Professor of Chemistry.

THEODORE KRATT, Mus.M., Mus.D., Dean of the School of Music; Professor of Music.

EDMUND P. KRAMER, J.U.D., Professor of Germanic Languages.

MORTON KROLL, Ph.D., Assistant Professor of Political Science.

DONALD L. KRUZNER, D.Ed., Deputy Superintendent, King County Schools, Seattle; Visiting Assistant Professor of Education.

ADOLPH H. KUNZ, Ph.D., Professor of Chemistry; Head of Department.

LOTTIE LEE LAMB, M.A., Librarian, University High School, Eugene; Visiting Instructor in Library Science.

WILLIAM S. LAUGHLIN, Ph.D., Assistant Professor of Anthropology.

IRA D. LEE, M.M.E., Instructor in Brass Instruments.

SHU-CHING LEE, Ph.D., Assistant Professor of Sociology.

RALPH W. LEIGHTON, Ph.D., D.Sc., Dean of the School of Health and Physical Education; Professor of Education.

EDWARD C. A. LESCH, Ph.D., Professor of English.

SHEPARD LEVINE, M.A., Assistant Professor of Art Education, University of New Mexico, Albuquerque; Visiting Assistant Professor of Art.

RICHARD A. LITTMAN, Ph.D., Assistant Professor of Psychology.

DEAN LOBAUGH, D.Ed., Assistant Superintendent of Schools, Eugene; Visiting Associate Professor of Education.

JAMES D. LOGSDON, Ph.D., Principal, Shorewood High School, Wisconsin; Visiting Professor of Education.

ROY C. MCCALL, Ph.D., Professor of Speech, Head of Department.

COY WARD MACY, Ph.D., Professor of Economics; Head of Department.

ALVIN MILLER, M.Arch., Instructor in Architecture.

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 BERNICE M. RISE, A.B., B.S. in L.S., Instructor in Library Science.  
 WILLIAM J. ROBERT, B.A., LL.B., Assistant Professor of Business Administration.  
 HORACE W. ROBINSON, M.A., Associate Professor of Speech; Director of University Theater.  
 MILES C. ROMNEY, Ph.D., Associate Professor of Education.  
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 CHARLES B. RYAN, M.F.A., Assistant Professor of Art.  
 MARION J. SACK, D.Ed., Principal, Wayne Elementary School, Pennsylvania; Visiting Assistant Professor of Education.  
 ADOLPH A. SANDIN, Ph.D., Associate Professor of Education.  
 PETER O. SIGERSETH, D.Ed., Associate Professor of Physical Education.  
 JESSIE M. SMITH, M.A., Assistant Professor of Business Administration.  
 ROBERT W. SMITH, Ph.D., Assistant Professor of History.  
 VIRGIL SMITH, M.A., Assistant Superintendent of Schools, Seattle; Visiting Professor of Education.  
 WENDELL SMITH, M.A., Vice-Principal and Head of English Department, Klamath Falls High School; Visiting Instructor in English.  
 ARNOLD L. SODERWALL, Ph.D., Associate Professor of Biology.  
 LLOYD R. SORENSON, Ph.D., Assistant Professor of History.  
 PHILIP W. SOURS, Ph.D., Professor of English; Head of Department.  
 HAROLD SPEARS, Ph.D., Assistant Superintendent, San Francisco United School District, California; Visiting Professor of Education.  
 HERBERT F. SPITZER, Ph.D., Professor of Education and Principal, University High School, State University of Iowa; Visiting Professor of Education.  
 MARK R. SPONENBURGH, Assistant Professor of Art.

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 DONALD F. SWINEHART, Ph.D., Assistant Professor of Chemistry.  
 EDWARD A. TAYLOR, Ph.D., Director of Child Guidance, Alameda County, California; Visiting Assistant Professor of Education.  
 DONALD E. TOPE, Ph.D., Professor of Education; Director of Kellogg Program.  
 HOYT TROWBRIDGE, Ph.D., Professor of English.  
 LEONA E. TYLER, Ph.D., Associate Professor of Psychology; Counselor, University Counseling Center.  
 WENDELL VAN LOAN, D.Ed., Superintendent of Schools, Corvallis; Visiting Professor of Education.  
 CHARLES VAN RIPER, Ph.D., Director, Speech and Hearing Clinic, West Michigan Teachers College; Visiting Professor of Speech.  
 PIERRE VAN RYSSELBERGHE, Ph.D., Professor of Chemistry.  
 ANDREW M. VINCENT, Professor of Art.  
 PAUL R. WASHKE, Ph.D., Professor of Physical Education.  
 MARSHALL D. WATTLES, Ph.D., Assistant Professor of Economics.  
 STAN WATTS, B.A., Basketball Coach, Brigham Young University; Visiting Instructor in Physical Education.  
 ROSAMOND WENTWORTH, M.S., Associate Professor of Physical Education.  
 RUTH WILLARD, D.Ed., Assistant Professor of Education.  
 WILLIAM A. WILLIAMS, Ph.D., Assistant Professor of History.  
 HUGH B. WOOD, D.Ed., Professor of Education.  
 KENNETH S. WOOD, Ph.D., Associate Professor of Speech; Director, Speech and Hearing Clinic.  
 CHARLES F. ZIEBARTH, Ph.D., Associate Professor of Business Administration.

## Summer Session Calendar

June 22—August 14, 1953

June 22 .....	Registration
June 23 .....	Classes begin
June 25.....	Last day for payment of registration fee without penalty
July 1.....	Last day for adding a course
July 4.....	Independence Day, holiday
July 18.....	Last day for withdrawal from a course
August 1.....	Last day for filing graduate theses
August 13-14.....	Final examinations

## General Information

**T**HE forty-ninth annual summer session of the University of Oregon will be organized as a single session of approximately eight weeks between June 22 and August 14, 1953.

**Opportunities for Teachers.** Because many teachers wish to take summer work to improve their professional training, the session at the University has been planned especially to meet their needs.

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 17 term hours of work of education and a course in Oregon history. Provisional certification may be continued for a maximum period of five years if, during each of these five years, the teacher earns not less than 9 term hours in college courses at the upper-division or graduate level. On the completion of 45 term hours of work as a graduate student, the teacher is eligible for regular certification. A total of 32 term hours of work in education, including undergraduate and graduate courses, is required for the regular certificate.

The University offers a program of graduate study planned especially for students working toward the satisfaction of the requirements for regular high-school teacher certification. The program leads to the degree of Master of Science in General Studies.

The program is administered by the dean of the Graduate School and supervised by the Committee on General Studies.

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

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

(a) A total of 36 term hours in graduate courses in two departments or fields of study, including not less than 15 term hours in each field. At least 6 term hours must be in 500 courses in one of the two departments; the student's program must

be planned to provide well-rounded knowledge, and must not be made up of scattered, unrelated courses.

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

(2) Satisfaction of the regular requirements of the Graduate School for the master's degree; a thesis is not required.

In addition, the University offers departmental master's degrees in journalism, English, history, social science, foreign languages, mathematics, biological science, physical science, geography and geology, speech, health and physical education, music, art, and business. Work toward these degrees is admirably fitted to the needs 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 degree is the Master of Education, which fits the needs of superintendents, deans, principals, and elementary teachers. For a few high-school teachers who have very few education credits and who must concentrate in this field, the program leading to this degree may be the most satisfactory.

*Graduate Work in Elementary Education.* Graduate work in elementary education is offered by the University of Oregon. The summer faculty in this field 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 administrator who enters an administrative position in the Oregon public schools after July 1, 1952 must have an appropriate administrative certificate. Persons engaged in administrative work before July 1, 1952 may continue without certificates until July 1, 1956. 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. A program in school administration, planned specifically to meet the requirements for each of these certificates, is offered at the University of Oregon.

*Federal Veterans Aid for Teachers.* Federal veterans educational aid regulations provide that, beginning July 25, 1951, a veteran receiving aid under the G.I. Bill of Rights must pursue his course of education or training continuously. There is, however, a special regulation for regularly employed teachers; a teacher will be considered to have satisfied the "continuous pursuit" rule if (1) he has attended a 1952 summer session of at least five weeks duration, and (2) has been regularly employed as a teacher during the school year 1952-53.

A teacher who is eligible for veterans educational aid under this regulation may receive aid for work toward a graduate degree in the 1953 summer session and in succeeding summer sessions, provided he continues to be regularly employed as a teacher during the school year and provided he attends summer sessions of at least five weeks' duration.

Teachers who wish to receive veterans aid for study at the 1953 summer session will be required, at the time of registration, to submit evidence, certified

by a responsible official of the institution where he was employed as a teacher during 1952-53, that he was so employed; the statement must show the beginning and ending dates of the 1952-53 session.

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

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

**Preparation.** For a graduate major, the equivalent of an undergraduate major 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, with a minimum of 30 term hours in the major subject. No major is required for the degrees of Master of Arts in General Studies and Master of Science in General Studies.

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

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

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

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

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

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

**Maximum Course Load.** The maximum summer course load for a graduate student is 12 term hours. In unusual cases the student may petition to carry more than the maximum load.

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

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

**Opportunity for Undergraduates.** A large selection of lower-division courses will be offered in the 1953 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 all or part of their 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 entrance requirements. As early as possible before the opening of the summer sessions, 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.

**Maximum Load.** Undergraduate students may enroll for a maximum of 12 term hours in the summer session.

**Registration Procedure.** Students will register for the summer session on Monday, June 22; classes will begin Tuesday morning, June 23. Registration will begin at 8 o'clock in the morning and continue until 4 o'clock in the afternoon. Students will receive registration material and further instructions at the Registrar's Office. (Education majors may obtain registration material either at the School of Education or at the Registrar's Office.)

Graduate students in education who reside in Eugene or vicinity are urged to obtain their registration materials at the School of Education on Friday, June 19, or on Saturday morning, June 20. They will thus be able to confer with their advisers and fill out class cards in advance of the regular registration day. Fees will, however, not be assessed or paid until Monday, June 22.

**Summer-Session Fees.** Students attending summer-session classes for credit or as auditors pay the same fees. Registration and other summer-session fees are listed below. The Business Office is open for payment of fees from 8:00 a.m. to 12:00 noon and from 1:00 to 3:00 p.m. Monday through Friday, and from 8:00 a.m. to 12:00 noon on Saturday.

Registration fee.....	\$55.00
Students registering for 7 or more term hours of work pay this fee. There is no additional out-of-state tuition for the summer session.	
Part-time fee.....	\$14.00 to \$42.00
1 or 2 term hours, \$14.00; 3 term hours, \$21.00; 4 term hours, \$28.00; 5 term hours, \$35.00; 6 term hours, \$42.00.	
Late-registration fee, per day.....	\$1.00
Undergraduate and graduate students pay the late-registration fee if they register after 3:00 p.m. on June 25.	
Change-of-program fee.....	\$1.00
Assessed for changes made after July 1.	
Examination fee for graduate students not enrolled in summer session.....	\$10.00
Paid by students not enrolled in the summer session who take examinations for advanced degrees during the summer.	

Staff fee, per term hour.....	\$3.00
On approval by the President's Office, full-time staff members may register for summer courses for this special fee.	
Fee for children receiving instruction in Clinical School.....	\$20.00
Music fees.....	See page 42

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

Withdrawing first three days after beginning of classes.....	Refund of all fees over \$ 5.00
Withdrawing within first two weeks.....	Refund of all fees over \$13.75
Withdrawing after two weeks and before beginning of fifth week.....	Refund of all fees over \$27.50
Withdrawing after beginning of fifth week.....	No refund

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

**Board and Room.** Board and room for both men and women will be available during the summer session in University halls of residence: for men, in the John Straub Memorial Building; for women, in Carson Hall. Students living in the halls must also board in the dormitory dining rooms (exceptions may be granted in unusual cases). Blankets and bed linen, and the laundry of these items, are furnished by the halls; students furnish their own towels. Applications for reservation of dormitory rooms should be sent to the Director of Housing, Business Office, University of Oregon, Eugene, before the opening of the summer session.

Most of the dormitory rooms available are for multiple occupancy; the few single rooms will be reserved for those who first make deposits with requests for single-room accommodations.

One floor of Carson Hall will be reserved for graduate women students and for mature women teachers. These dormitory residents will not be subject to the strict supervision provided for undergraduate women students.

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

	Straub		Board*	Carson	
	Multiple Occupancy	Single Occupancy		Multiple	Single
<b>Straub (men)</b>					
Eight-week session.....	\$42.00	\$56.00	\$94.50	\$136.50	\$150.50
Four-week session.....	21.50	28.50	48.50	70.00	77.00
Three-week course.....	16.00	21.50	36.50	52.50	58.00
Two-week course.....	10.75	14.25	24.25	35.00	38.50
One-week course.....	7.00	9.00	13.25	20.25	22.25
Per day.....	1.75	2.25	2.50†	4.25	4.75
<b>Carson (women)</b>					
Eight-week session.....	\$55.00	\$70.00	\$94.50	\$149.50	\$164.50
Four-week session.....	28.50	36.00	48.50	77.00	84.50
Three-week course.....	21.25	27.00	36.50	57.75	63.50
Two-week course.....	14.25	18.00	24.25	38.50	42.25
One-week course.....	9.00	12.00	13.25	22.25	25.25
Per day.....	2.00	2.50	2.50†	4.50	5.00

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

	Straub		Carson	
	Multiple	Single	Multiple	Single
At the opening of session.....	\$ 68.25	\$ 75.25	\$ 74.75	\$ 82.25
Prior to 3:00 p.m., July 20.....	68.25	75.25	74.75	82.25
	\$136.50	\$150.50	\$149.50	\$164.50

\* Three meals per day, 6 days per week; Sundays, breakfast and dinner.

† Rates per meal: breakfast, 50 cents; lunch, 80 cents; dinner, \$1.20.

A penalty charge of \$1.00 per day, up to a maximum of \$5.00, is made if the first installment is not paid by July 1, or if the second installment is not paid by July 20.

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

Board and room charge are paid at the University Cashier's office, Emerald Hall. This office is open, Monday through Friday, from 8:00 a.m. to 12 noon and from 1:00 to 3:00 p.m., and on Saturday from 8:00 a.m. to 12:00 noon.

The dormitories will be open for the summer session at 1:00 p.m. on Sunday, June 21; the first meal served will be breakfast on Monday. The dormitories will close Saturday noon, August 15; the last meal served will be dinner on Friday. Meals will be served on July 4.

**Room and Board in Private Houses.** A number of private boarding and rooming houses will be open during the summer. Rooms, flats, and furnished cottages suitable for light housekeeping may also be available. A list of such accommodations will be obtainable from the Housing Secretary after June 1. The office of the Housing Secretary will be open about this time to help students obtain satisfactory living quarters.

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

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

(1) Freshmen students are required to live in the University dormitories; other lower-division men and other undergraduate women are required to live either in the dormitories or in houses maintained by organized University living groups (fraternities, 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 apartment houses, motor courts, hotels, or separate houses.

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

**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.

**Murray Warner Collection of Oriental Art.** The Museum of Art, housing the Murray Warner Collection of Oriental Art and the Museum of Art Library, a collection of 5,000 volumes on Oriental art and culture, will be open to students during part of the summer.

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

**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 gymnasiums, swimming pools, and tennis courts; they will be furnished with swimming suits, lockers, towels, and soap.

**Chorus, Orchestra, and Band.** A summer chorus, orchestra, and band will be organized. Membership in these organizations will be open to all summer-session 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.

**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-session students. Those interested in learning of opportunities for part-time work should write to Employment Secretary, University of Oregon.

**Teacher Placement.** The School of Education maintains a Placement Service primarily to help graduates of the University obtain suitable teaching positions. This service is extended also to older teachers who have been connected with the University, including students in the summer session.

**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.

**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.

## Special Programs

IN ADDITION to regular classroom instruction, the 1953 summer session will feature several special programs, including an athletic coaching school, a series of short-course workshops planned especially for teachers, and a

summer program for high-school students in music. Complete programs and additional information may be secured by writing to the Summer Session Office.

**The Study of Literature.** June 29-July 6. A workshop, planned to provide a critical approach to the problems which confront the teacher in presenting literature to high-school students. Discussion of the contribution of literature to general culture and to the growth of thought, feeling, and imagination. Literature as art or craft; meaning and style. Will be conducted by members of the faculty of the department of English. The student may earn 3 term hours of graduate credit.

**Family Financial Security Education.** June 22-July 17. A workshop, conducted jointly by the School of Education and the School of Business Administration. Designed for teachers of social studies, business education, and mathematics, and for other interested high-school and junior-college teachers. Prominent businessmen and members of the University faculty will lecture on aspects of money and banking, insurance, real estate, investments, estates, social security, and finance which have a direct bearing on family financial security. Lectures will be supplemented by group discussions and individual and group study. Special consultants will assist teachers in organizing and preparing material for use in their classrooms.

Scholarships covering fees and dormitory room will be awarded to persons accepted for enrollment in this workshop. Application for admission should be addressed to the School of Education.

**Communications in School Administration.** June 29-July 10. A workshop for the exploration of communications as an administration function; the need for information in a community, recent research in communications, communication and the social power structure, the use of radio and newspapers in communications, and the use of a school staff in communication. The program will include lectures and work on individual projects of communication in the student's home community. The student may earn 3 term hours of graduate credit.

**Curriculum Leadership.** July 13-24. A workshop sponsored jointly by the Oregon State Department of Education and the University. Designed to assist superintendents, supervisors, and principals in the promotion of curriculum improvement. Techniques of organizing for curriculum improvement, typical Oregon programs, what constitutes a good curriculum, sources of personal help, sources of curriculum material. Individual and group conferences and work sessions.

**High-School Social Studies.** July 27-August 7. A workshop sponsored jointly by the State Department of Education and the University of Oregon for high-school social studies teachers. Designed to acquaint teachers with the new social studies guide and to give help in newer methods and materials. Individual and group conferences and work sessions.

**The Modern School Library.** June 29-July 10. A workshop centering on the administrative aspects of the modern school library and its place in the educational program. Lectures, group discussions, work-study periods, committee and individual assignments.

**Problems in the Treatment of Stuttering.** June 29-July 25. A special program, offered by the Department of Speech: results and implications of recent research in the field of stuttering; methods of therapy with individual stutterers; a program for helping the stutterer at home and at school.

**Education for Later Maturity.** June 22-July 3. A short course, offered by the Department of Sociology. Attention to the problems of later maturity and to the services which the school can offer in meeting the needs of older citizens.

**Athletic Coaching School.** An athletic coaching school in football, basketball, track, and baseball will be held on the campus during the period of June 22 to 27. For further details, see page 35.

**High-School Music Summer Session.** A three-week summer session for high-school students in band, orchestra, and vocal music will be held on the campus during the period of June 28 to July 17. For further details, see page 42.

## Description of Courses

### ANTHROPOLOGY

Professor: CRESSMAN. Assistant Professors: LAUGHLIN, STERN.  
Field Assistant: COLLINS.

**Anth 408. Field Work in Anthropology.** (G) 9-12 hours.

Archaeological and ethnological field work in Oregon. Prerequisite: consent of instructor. Cressman, Stern, Collins.

**Anth 413. Problems of Race and Culture.** (G) 4 hours.

Race, language, and culture; an examination of their meaning and relationships; their significance in contemporary life. Prerequisite: senior standing. Daily, 9:00. 301 Condon. Laughlin.

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

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

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

### ARCHITECTURE AND ALLIED ARTS

Professor: VINCENT. Associate Professor: HAYDEN. Assistant Professors: ANDREWS, BALLINGER, FERENS, RYAN, SPONENBURGH. Instructors: CHADWICK, HATCH, MILLER.  
Visiting Faculty: LEVINE.

Part-time students registered for variable-credit courses may receive only the amount of credit for which fees are paid.

**AA 256. Lower-Division Weaving.** 2-3 hours.

Special instruction for teachers in weaving techniques; preparation of the loom for weaving and study of basic weaves. Advanced work available for those with experience on the two-, four-, and twelve-harness looms. Time to be arranged. Architecture. Hatch.

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

Special instruction for teachers in metalcraft and jewelry techniques. Advanced work available for those with experience. Time to be arranged. Architecture. Hatch.

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

Beginning instruction in the use of oil or water color. Each medium taught in a special section. Special instruction for art teachers. MWF, 9:00-12:00. Architecture. Ryan.

**AA 293. Elementary Sculpture.** 2-3 hours.

Introduction to materials and methods of sculpture. Elementary considera-

tions of form. Exercises in clay and plaster. One section especially for teachers. Time to be arranged. Architecture. Sponenburgh.

**AA 314. Art Education.** 2-4 hours.

Creative arts and crafts for the classroom teacher. Use of simple materials for all grade levels. A study of art as it applies to the development and ability of the elementary-school child. Daily, 8:00-10:00, Levine; 10:00-12:00, Ballinger. Architecture.

**AA 387, 487, 587. Architectural Design.** 2-10 hours.

No-grade course. A series of problems in advanced architectural design, following the sequence of the regular academic year and intended for students who wish to accelerate their studies or to make up past deficiencies. Open only to major students and qualified students from other institutions. Criticism appointments to be arranged. Daily, 9:00-4:00. Architecture. Hayden, staff.

**AA 393. Techniques of Sculpture.** 2-4 hours.

Figure study and composition. Techniques of stone and wood carving. Time to be arranged. Architecture. Sponenburgh.

**AA 407. Senior Seminar.** Hours to be arranged.

**AA 414. Art Education.** 2-4 hours.

Art activities for junior and senior high-school teachers. Laboratory experience with new materials and thinking in the field. Critical examination of teaching problems in terms of self-expression. Daily, 10:00-12:00. Architecture. Levine.

**AA 456. Upper-Division Weaving.** 2-3 hours.

For description, see AA 256.

**AA 457. Metalcraft and Jewelry.** 2-3 hours.

For description, see AA 257.

**AA 490. Upper-Division Painting.** 2-3 hours.

Advanced work in oil or water color, with separate sections for each medium. MWF, 1:00-4:00. Architecture. Vincent.

**AA 491. Upper-Division Drawing.** 2-4 hours.

Advanced work in drawing. Study of form from the figure. Time to be arranged. Architecture. Vincent.

**AA 492. Upper-Division Composition.** 2-4 hours.

Advanced problems in composition. Mural decoration, illustrations. Time to be arranged. Architecture. Vincent.

**AA 501. Special Studies: Sketching.** 2 hours.

Instruction designed especially for teachers, providing studio experience in all mediums. Opportunity to investigate landscape, still life, etc., in pen or pencil and water color or oil. Time to be arranged. Architecture. Ryan.

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

**AA 505. Assigned Reading.** Hours to be arranged.

**AA 509. Terminal Project.** Hours to be arranged with instructor.

For fifth-year students in architecture or graduate students in painting. Time to be arranged. Architecture. Ferens, staff.

**AA 532. Art Education.** 2-4 hours.

A children's laboratory art class will serve as a resource unit for graduate students doing research in the field. Children's work will be examined, evaluated, and studied in seminar meetings. Practice teachers may also enroll without graduate status. Daily, 8:00-10:00. Architecture. Ballinger.

**BIOLOGY**

Professor: HUESTIS. Associate Professor: SODERWALL.

- Bi 401. **Research.** Hours to be arranged.
- Bi 403. **Thesis.** Hours to be arranged.
- Bi 405. **Reading and Conference.** Hours to be arranged.
- Bi 412. **Microbiology.** (g) 3 hours.  
Basic principles; techniques used in the study of micro-organisms to reveal their important interactions with the larger organisms, including man. MTuW, 10:00; laboratory to be arranged. 314 Science. Soderwall.
- Bi 419. **Advanced General Biology.** (g) 4 hours.  
The principles of life science demonstrated by the use of favorable material. Seminar discussion and laboratory practice. Designed especially for students interested in high-school science teaching. Daily, 8:00. 314 Science. Huestis.
- Bi 501. **Research.** Hours to be arranged.
- Bi 503. **Thesis.** Hours to be arranged.
- Bi 505. **Reading and Conference.** Hours to be arranged.

**BUSINESS ADMINISTRATION**

Professors: BALLAINE, MORRIS. Associate Professor: ZIEBARTH.  
Assistant Professors: ROBERT, SMITH, SUMMERS.

- BA 111. **Constructive Accounting.** 4 hours.  
Technique of account construction; preparation of financial statements. Application of accounting principles to practical business problems. Required of majors; prerequisite to advanced work in business. Daily, 9:00. 366 Commonwealth. Smith.
- SS 121. **Typing.** 2 hours.  
Touch typing; rhythm drills, dictation exercises; arrangement of business letters. Students with one year of high-school typing may not take SS 121 for credit. 5 hours laboratory; 1 hour home assignment. Daily, 11:00. 270 Commonwealth. Smith.
- BA 401. **Research.** Hours to be arranged.  
Supervised individual work in some field of special interest. Subjects chosen must be approved by the major professor. Prerequisite: senior standing. Morris, Ballaine, staff.
- BA 412. **Personnel Management.** (G) 4 hours.  
The place and significance of personnel management in the modern business organization; personnel policies and practices conducive to good relations with employees. Personnel problems of small organizations. Prerequisite: BA 222, 223. Daily, 1:00. 173 Commonwealth. Ziebarth.
- BA 416. **Business Law.** (G) 4 hours.  
Application of fundamental legal principles to typical business situations; illustrated by selected cases. The following topics are considered: contracts, bankruptcy, insurance, suretyship, sales, agency, personal property, real property, business organizations, partnerships, corporations, associations, trusts, joint stock companies, negotiable instruments. Daily, 9:00. 137 Commonwealth. Robert.
- BA 421. **Principles of Business Education.** (G) 4 hours.  
Aims and objectives of business education; history, trends, issues; curriculum construction at high-school and junior-college levels; instructional prob-

- lems; research in business education. Prerequisite: senior standing and consent of instructor. Daily, 8:00. 266 Commonwealth. Smith.
- BA 425. **Real-Estate Fundamentals.** (G) 4 hours.  
Problems relating to the purchase, transfer, lease, and financing of land and buildings; home building, site selection, principles of house-and-lot evaluation. Open to nonmajors. Daily, 11:00. 137 Commonwealth. Robert.
- BA 429. **Production Management.** (G) 4 hours.  
Nature and scope of production processes; economic, technological, regional, and managerial organization of production; plant location; design and layout; control of plant investment; working-capital investment and labor costs; planning production operations. Prerequisite: BA 111, 112, 113; BA 222, 223. Daily, 9:00. 173 Commonwealth. Ziebarth.
- BA 432. **Business Statistics.** 4 hours.  
Emphasis on appreciation and understanding of statistical methods. Charts and tables; sampling; averages, time-series analysis; index numbers; a brief introduction to the concept of linear correlations. Daily, 11:00. 370 Commonwealth. Ballaine.
- BA 441. **Radio Advertising.** (G) 2 hours.  
First four weeks, June 22-July 17. A study of the principles of radio advertising and of the techniques involved. Radio's place in modern advertising; methods of measuring audience, planning campaigns, writing copy, checking results. Daily, 11:00. 103 Journalism. Summers.
- BA 453. **Business Policy.** (G) 4 hours.  
Coordination of the specialized work given in the school; the interdependence of different departments of a business concern. Open to senior majors who have had or are taking business law. Prerequisite: BA 222, 223; Ec 201, 202, 203. Daily, 2:00. 173 Commonwealth. Ziebarth.
- BA 456. **Property Insurance.** (G) 4 hours.  
Nature of coverage, types of underwriters, types of contracts; analysis of the policy contract, special endorsements, and factors determining rates and adjustment of losses. Prerequisite: consent of instructor. Daily, 8:00. 137 Commonwealth. Robert.
- BA 466. **Business Cycles.** (G) 4 hours.  
Study of economic changes; classification and analysis of business-cycle theories. The availability, use, and limitations of business barometers in forecasting; their possible application to the business enterprise. Prerequisite: senior standing. Daily, 8:00. 370 Commonwealth. Ballaine.
- BA 501. **Advanced Business Research.** Hours to be arranged.  
Examination and criticism of typical studies in business research. Methods of procedure adapted to various types of business problems.
- BA 503. **Graduate Thesis.** Hours to be arranged.
- BA 507. **Seminar: Family Financial Security Education.** 6 hours.  
First four weeks, June 22-July 17. Aspects of money and banking, insurance, real estate, investments, estates, and family financing related to family financial security. Designed for classroom teachers. Admission by prior application.

**CHEMISTRY**

Professors: KUNZ, VAN RYSSELBERGHE. Associate Professor: REITHEL.  
Assistant Professors: GORIN, KLEMM, SWINEHART. Instructor: RICHTER.

- Ch 201. **General Chemistry.** 4 hours.  
An introduction to chemical principles, with special emphasis on the structure

of matter. Lectures, MTuWTh, 9:00. 123 Science. Laboratory, M, 1:00-4:00. 1 Science. Kunz.

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 419. **Advanced General Chemistry.** (g) 4 hours.

Chemical principles, with special emphasis on the structure of matter, including seminar discussion of individually assigned topics. Designed especially for students interested in high-school science teaching. Lectures, MTuWTh, 9:00. 123 Science. Laboratory and discussion, hours to be arranged. Kunz.

### ECONOMICS

Professor: MACY. Assistant Professors: SORENSON, WATTLE.

Ec 405. **Reading and Conference.** Hours to be arranged.  
Wattles.

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

A study of some of the more important economic problems currently facing the United States; analysis and evaluation of proposed solutions. Daily, 10:00. 134 Commonwealth. Wattles.

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

A comparative study of capitalism and alternative systems, emphasizing background, similarities, and differences. Daily, 8:00. 134 Commonwealth. Wattles.

Ec 471. **History of Economic Thought.** (G) 4 hours.

A study of the development of economic doctrine from the mercantilists to the twentieth century. Special attention given to the classical school. Daily, 11:00. 134 Commonwealth. Macy.

Ec 488. **American Economic History.** (G) 4 hours.

The economic development of the United States, 1850-1900. Daily, 9:00. 107 Commonwealth. Sorenson.

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

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

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

### EDUCATION

Professors: AVERY, CASTELL, CYKLER, JACOBSON, JONES, KAMBLY, KILLGALLON, KLEINSORGE, MACY, PALLET, TOPE, WOOD. Associate Professors: CIVIN, DUNCAN, FOSKETT, HEARN, MOORHEAD, ROMNEY, SANDIN, TYLER. Assistant Professors: LITTMAN, MILLHOLLEN, OSTROM, RUMMEL, SORENSON, WILLARD. Instructor: PIERCE-JONES. Teaching Fellow: GOLDHAMMER. Visiting Faculty: CHRISTENSEN, HAYWARD, HILLS, HINES, HOGG, JARDINE, KRUZNER, LOBAUGH, LOGSDON, SACK, SMITH, SPEARS, SPITZER, TAYLOR, VAN LOAN.

**Post Session.** There will be a two-week post session for graduate students in education from August 17 to 28. Three term hours of credit may be earned in Reading and Conference (Ed 505). The fee for this session is \$7.00 per credit hour. Professors Hearn and Romney will be in charge of the post session.

Ed 311. **Secondary Education in American Life.** 3 hours.

Education as a career, function of education in a democracy, historical backgrounds, characteristics and needs of pupils, basic principles of teaching, the secondary-school curricula, pupil personnel work, school activities, school-community relationships. Prerequisite: Psy 201. MTuWTh, 8:00. 4 U.H.S. Logsdon.

Ed 313. **Principles of 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 312 or equivalent. MTuWTh, 11:00. 2 U.H.S. Kambly.

Ed 316. **Oregon School Law and System of Education.** 2 hours.

Analysis of the Oregon school system and of the laws on which the system is based. Problems of Oregon schools, plans proposed for their solution, and trends in educational development in the state. Prerequisite: Ed 311. MWF, 1:00. 2 U.H.S. Goldhammer.

Ed 409. **Psycho-Educational Clinic.** (G) 4-6 hours.

Supervised practice in diagnosing and teaching retarded readers. Case material providing experience with emotionally, mentally, or visually handicapped children may be provided. Students needing such experience should write the director of the clinic well in advance of registration. Prerequisite: Ed 465, Psy 431, Psy 433, or equivalent, or consent of instructor. Daily, 9:00-12:00, 6 hours credit; 10:00-12:00, 4 hours credit. Edison Elementary School. Killgallon, staff.

Ed 424. **Measurement in Education.** (G) 4 hours.

Use and interpretation of informal and standardized tests as supervisory and guidance instruments for the diagnosis, analysis, evaluation, and improvement of instruction in the elementary and secondary schools. Test planning, item writing, essay testing, administration and scoring, analysis of scores, and grade assignment. Simple statistics of test interpretation. Daily, 11:00. 4 U.H.S. Pierce-Jones.

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

Last four weeks, July 20-August 14. The development and use of audio-visual aids in education. Emphasis on actual learning situations in which radio, recordings, films, slides, pictures, maps, charts, etc. are utilized. Sources of materials and equipment; administration of audio-visual programs. Daily, 10:00-12:00. Gymnasium, U.H.S. Kruzner.

Ed 460. **Psychology of Infancy and Childhood.** (G) 4 hours.

Growth of behavior during the prenatal period, infancy, and childhood. Development of muscular activities, perception, emotional adjustment, intelligence, language, and social behavior in childhood. Daily, 11:00. 302 Condon. Littman.

Ed 461. **Psychology of Adolescence.** (G) 4 hours.

Study of behavior changes during preadolescence and adolescence as related to physiological development and social and cultural factors. Emphasis upon personal and social adjustments. Daily, 1:00. 16 Education. Pierce-Jones.

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

Survey of characteristics and problems of all types of exceptional children, with special emphasis on those with sensory handicaps; consideration of essential educational adaptations. Daily, 8:00. 2 U.H.S. Hills, State Department staff.

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

The discovery and treatment of the emotionally and socially maladjusted

- child; the home, school, and community in relation to the child's mental health. Daily, 2:00. Auditorium, U.H.S. Taylor.
- Ed 464. **The Mentally Handicapped Child.** (G) 4 hours.  
Identification and guidance of the mental deficient, the slow learner, and the gifted. Prerequisite: consent of instructor. Daily, 1:00. 4 Education. Taylor.
- Ed 465. **Diagnostic and Remedial Techniques.** (G) 4 hours.  
A clinical course. Diagnostic, remedial, and corrective techniques in basic school subjects; application of techniques to actual cases. Daily, 9:00. 2 U.H.S. Hogg, staff.
- Ed 501. **Research.** 1-3 hours. Hours to be arranged.
- Ed 501. **Research (Field Study).** 3 hours.
- Ed 503. **Thesis.** Hours to be arranged.
- Ed 505. **Reading and Conference.** 1-3 hours. Hours to be arranged.
- Ed 507. **Seminar: Children's Literature.** 4 hours.  
Recent findings in children's literature. A large collection of children's books will be available for examination. Study of materials suitable for various grade levels. Opportunity to study and discuss materials suitable for language arts, literature, social studies, science, and other areas at the elementary-school level. Daily, 2:00. 4 Education. Sack.
- Ed 507. **Seminar: Nature and Problems of Administrative Behavior.** 6 hours.  
For advanced graduate students who are at or past the master's level. Draws from the literature in related fields of business administration, economics, social psychology, sociology, and political science. Particular emphasis on the fundamental research underlying human behavior as basis for the theory and practice of administrative behavior. Daily, 2:00-4:00. 16 Education. Jacobson, staff.
- Ed 507. **Seminar: Educational Foundations.** 6 hours.  
Designed for graduate students who desire an opportunity to examine major educational problems and issues in their sociological, economic, political, and anthropological settings. Daily, 1:00-3:00. 4 U.H.S. Tope, Ostrom.
- Ed 507. **Seminar: Administration of the Curriculum.** 3 or 4 hours.  
First four weeks, June 22-July 17. Designed for administrators, supervisors, curriculum coordinators, and curriculum-committee chairman at both the elementary and secondary levels. Special help in locating, evaluating, and preparing materials to assist teachers in their instructional and curricular problems; discussion of such topics as: principles of educational leadership, organization of in-service curriculum study groups, curriculum issues and problems in modern schools, comparative study of different types of curricula, curriculum trends, and related problems. Daily, 1:00-3:00. 3 U.H.S. Smith.
- Ed 507. **Seminar: Higher Education.** 4 hours.  
Problems relating to higher education: finance, organization, administration, student personnel, staff, and general trends. Daily, 8:00. Music Room, U.H.S. Pallett.
- Ed 507. **Seminar: School and Society in the Recent Past.** 4 hours.  
How conditions in America have defined and redefined the task of public education in America. Daily, 2:00. Music Room, U.H.S. Castell.
- Ed 507. **Seminar: Government Financial Practices and Policies.** 4 hours.  
Expenditure, revenue, and borrowing programs of local, state, and Federal governments. Special attention given to the effects of these programs upon the operation of the total economy. Daily, 9:00. Music Room, U.H.S. Macy.

- Ed 507. **Seminar: Development of American Business and Labor Organizations.** 4 hours.  
Preview of the history of American business institutions and of the American labor movement, designed for secondary-school teachers. Special attention to the growth of key industries; the development of such business organizations as the pool, trust, corporation, and holding company; the rise of the American Federation of Labor and the Congress of Industrial Organizations; the influence of government regulation upon both business and labor organizations. Daily, 10:00. Music Room, U.H.S. Kleinsorge.
- Ed 507. **Seminar: Primary Education.** 3 hours.  
The purpose of this seminar is to focus study, thinking, and discussion on problems and interests of primary-grade teachers; equally appropriate for principals who seek a better acquaintance with primary education. MTuWTh, 1:00. Music Room, U.H.S. Sack.
- Ed 507. **Seminar: The Public and The Press.** 4 hours.  
Analysis of the role of newspapers, magazines, motion pictures, radio, and television in a democratic society; the problem of improving the relationship between the public and the press in the mass-communication process. Not open to journalism majors. Daily, 10:00. 103 Journalism. Duncan.
- Ed 507. **Seminar: Social Hygiene.** 3 hours.  
Social-hygiene content, methods, and materials appropriate for junior and senior high schools. Prerequisites: senior standing in health education or biology, graduate standing in education or physical education, or consent of instructor. MTuWTh, 8:00. 122 Physical Education. Moorhead.
- Ed 507. **Seminar: Music Problems and the School Administrator.** 3 hours.  
Designed primarily for school administrators and supervisors. The philosophy of music education in the elementary and secondary schools; staffing, financing, and scheduling the school music program; private music lessons and school credit; school music and community relations. MTuWTh, 11:00. 103 Music. Cykler.
- Ed 507. **Seminar: Higher-Education Curriculum.** 4 hours.  
A general overview of the development of the curriculum in American institutions of higher education. Daily, 10:00. 3 U.H.S. Jones.
- Ed 508. **Workshop: Communications in School Administration.** 3 hours.  
June 29-July 10. This workshop will explore communications as an administrative function, the need for information in a community, recent research in communications, communication and the power structure, the use of radio and newspaper in communication, and the use of a school staff in communication. Members will be expected to attend lectures and to work on individual projects of communication for their home communities. There will be practice in communication tools, and a study of current problems of communication in government and industry. Wood, staff.
- Ed 508. **Workshop: Curriculum Leadership.** 3 hours.  
July 13-24. This workshop is sponsored jointly by the State Department of Education and the University. The program is designed to assist superintendents, supervisors, and principals in the promotion of curriculum improvement. Discussion will include techniques of organizing for curriculum improvement, typical Oregon programs, what constitutes a good curriculum, sources of personal help, sources of curriculum material. Time will be available for individual and group conferences and work sessions. Resources of specialists, the regular visiting staff, and the Curriculum Laboratory will be available. Wood, staff.
- Ed 508. **Workshop: High-School Social Studies.** 3 hours.  
July 27-August 7. This workshop is sponsored jointly by the State Department

- of Education and the University of Oregon. It is designed to acquaint high-school social studies teachers with the work of the State Committee on High School Social Studies and with the new guide, which will be available in tentative form. Some time will be devoted to newer techniques and new materials.
- Ed 508. Workshop: Family Financial Security Education.** 6 hours.  
First four weeks, June 22-July 17. Aspects of money and banking, insurance, real estate, investments, estates, and family financing related to family financial security. Designed for classroom teachers. Admission by prior application.
- Ed 512. Research Procedures in Education.** 4 hours.  
The nature and procedures of research in education; special techniques of thesis, field study, research paper, and dissertation. Open to graduate students majoring in other fields. Does not take the place of individual supervision of the student's thesis. Daily, 10:00. 2 U.H.S. Rummel.
- Ed 515. Educational Statistics.** 3 hours.  
An introductory course in statistics. Computing machines are available for student use. Prerequisite: consent of instructor. MTuWf, 9:00. 11 Deady. Civin.
- Ed 522. Secondary-School Curriculum.** 4 hours.  
A survey of the secondary-school curriculum; trends and outstanding practices in organization, content, methodology, materials, and evaluation. Problem approach to specific subject areas. Special emphasis on "core," "common learnings," and "experience" programs. Daily, 8:00. Curriculum Laboratory, Library. Wood.
- Ed 523. School Activities.** 4 hours.  
Principles and purposes of school activities; pupil participation in school government; assemblies; clubs, social activities; athletics; speech; drama; music; publications; evaluation of the school activity program. Daily, 11:00. 16 Education. Hearn.
- Ed 525. Pupil Personnel Work.** 4 hours.  
The need for guidance and counseling; organization and administration of guidance services; tests, inventories, questionnaires, and records; guidance in the curriculum; counseling the individual; the role of the home and community in guidance; evaluation of guidance services. Daily, 10:00. 16 Education. Logsdon.
- Ed 526. High-School Counseling.** 4 hours.  
The purposes, techniques, and processes of counseling. Dynamics of adjustment and personality change. Methods of promoting emotional, educational, and occupational adjustment. Prerequisite: consent of instructor. Daily, 8:00. 207 Chapman. Tyler, staff.
- Ed 527. Secondary-School Administration and Supervision.** 4 hours.  
The secondary-school principalship; principles of administration, staff relationships, public relations, and professional growth; business administration, administration of guidance services, curriculum, and school activities; evaluation of the secondary school. Daily, 9:00. 1 U.H.S. Hearn.
- Ed 534. Science in the Elementary School.** 4 hours.  
The place of science in the elementary school, with particular reference to the value of science in the lives of children. Selecting and organizing content; coordinating science with elementary-school activities; methods and materials; rooms and equipment. Daily, 9:00. 4 U.H.S. 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. Daily, 8:00. 1 U.H.S. Willard.

- Ed 536. Language Arts in the Elementary School.** 4 hours  
The role of language arts in the elementary-school program, including consideration of objectives; research findings on language development; the teaching of spelling, writing, and speaking-listening skills; newer instructional materials; testing and evaluation. Daily, 10:00. 1 U.H.S. Hayward.
- Ed 537. Reading in the Elementary School.** 4 hours.  
Nature of the reading process, objectives, organization of a desirable reading program; reading readiness, reading skills, procedures and materials for developing children's reading abilities; methods of diagnosing difficulties and evaluating progress; research findings concerning the teaching of children to read. Daily 11:00. 3 U.H.S. Willard.
- Ed 538. Mathematics in the Elementary School.** 3 or 4 hours.  
First four weeks, June 22-July 17. Number abilities needed by children; research findings on mathematics education; designing number experiences; theories of teaching, desirable teaching procedures; selection and use of materials. Daily, 1:00-3:00. Curriculum Laboratory, Library. Spitzer.
- Ed 543. History of American Education.** 4 hours.  
The intellectual development of the United States, with special reference to education. Open to seniors on consent of instructor. Prerequisite: knowledge of American history. Daily, 2:00. 2 U.H.S. Sorenson.
- Ed 546. Philosophy of Education.** 4 hours.  
Study of broad fundamental principles and problems of education as evaluated by the various schools of philosophical thought. Daily, 1:00. 202 Chapman. Castell.
- Ed 552. Elementary-School Problems.** 4 hours.  
Selected current problems; issues and theories of elementary education; characteristics of modern teaching; major trends in elementary education. Daily, 8:00. 4 Education. Hayward.
- Ed 553. Elementary-School Curriculum.** 4 hours.  
A systematic study of the elementary-school curriculum, including pupil needs in everyday life situations, objectives, essentials of a good program; varying curriculum designs, organization of learning experiences, evaluation of learning, and appraisal of newer curriculum practices. Daily, 11:00. 1 U.H.S. Sandin.
- Ed 554. Elementary-School Supervision and Administration.** 4 hours.  
The role, duties, needs, and problems of modern supervision, including evaluation and improvement of the teaching-learning situation. Daily, 9:00. 4 Education. Sandin.
- Ed 565. Curriculum Foundations.** 3 or 4 hours.  
First four weeks, June 22-July 17. Implications of basic social, philosophical, and psychological factors in curriculum planning and organization; historical background; techniques of curriculum planning. Daily, 10:00-12:00. 4 Education. Lobaugh.
- Ed 566. Curriculum Construction.** 3 or 4 hours.  
First four weeks, June 22-July 17. Survey and appraisal of curricular patterns; state and city programs; courses of study in major subject areas; techniques of course-of-study planning. Daily, 8:00-10:00. 3 U.H.S. Spears.
- Ed 572. Public-School Administration.** 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: Ed 311, Ed 312, Ed 313 or teaching experience. Daily, 2:00. 1 U.H.S. Romney.

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

First four weeks, June 22-July 17. Ed 572, Ed 573, Ed 574 required for majors in school administration. Ed 573 deals with organization in both grade and high school; emphasis on the small system. Prerequisite: Ed 311, Ed 312, Ed 313 or teaching experience. Daily, 8:00-10:00. 16 Education. Jardine.

**Ed 574. School Supervision.** 3 or 4 hours.

Last four weeks, July 20-August 14. Purpose and plans for supervision; use of tests, diagnosis of pupil difficulty, etc., as applied to both elementary and secondary schools. Prerequisite: Ed 311, Ed 312, Ed 313 or teaching experience. Daily, 8:00-10:00. Auditorium, U.H.S. Millhollen.

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

Section I. The problems of school finance and business management; sources of school income; relationship to the state financial structure; budgeting and accounting. The construction of a school budget. Daily, 1:00. Auditorium, U.H.S. Romney.

Section II. Last four weeks, July 20-August 14. A study of the major problems of financing education and computing the cost of education. The problem of school revenues, the capital cost of education, budget making. Prerequisite: Ed 311, Ed 312, Ed 313 or teaching experience. (This section is intended for experienced school superintendents who have had courses in school finance.) Daily, 10:00-12:00. Auditorium, U.H.S. Van Loan.

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

Section I. Last four weeks, July 20-August 14. Study of problems in planning, construction, maintaining, and operating school buildings. The basic course in school buildings, intended for persons who have not had much experience in building problems. Daily, 8:00-10:00. 16 Education. Hines.

Section II. First four weeks, June 22-July 17. Study of the problems involved in planning, financing, and construction of school buildings; care and maintenance of buildings, problems of equipment. (This course is intended for experienced school superintendents or persons who have had experience in building problems.) Daily, 10:00-12:00. Auditorium, U.H.S. Christensen.

**OTHER COURSES FOR TEACHERS**

The summer courses listed below have been specially planned to meet the needs of classroom teachers. For descriptions, see the several departmental sections in this catalog.

**Anthropology**

Anth 413. **Problems of Race and Culture.** (G) 4 hours.

**Architecture and Allied Arts**

AA 256, 456. **Weaving.** 2-3 hours.

AA 257, 457. **Metalcraft and Jewelry.** 2-3 hours.

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

AA 293. **Elementary Sculpture.** 2-3 hours.

AA 314. **Art Education (Elementary School).** 2-4 hours.

AA 393. **Techniques of Sculpture.** 2-4 hours.

AA 414. **Art Education (Secondary School).** 2-4 hours.

AA 490. **Upper-Division Painting.** 2-3 hours.

AA 491. **Upper-Division Drawing.** 2-4 hours.

AA 492. **Upper-Division Composition.** 2-4 hours.

AA 501. **Special Studies (Sketching).** 2 hours.

AA 532. **Art Education.** 2-4 hours.

**Biology**

Bi 419. **Advanced General Biology.** (g) 4 hours.

**Business Administration**

BA 111. **Constructive Accounting** 4 hours.

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

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

BA 421. **Principles of Business Education.** (G) 4 hours.

BA 425. **Real-Estate Fundamentals.** (G) 4 hours.

BA 456. **Property Insurance.** (G) 4 hours.

**Chemistry**

Ch 419. **Advanced General Chemistry.** (g) 4 hours.

**Economics**

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

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

Ec 471. **History of Economic Thought.** (G) 4 hours.

Ec 488. **American Economic History.** (G) 4 hours.

**English**

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

Wr 111, 112, 113. **English Composition.** 3 hours each term.

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

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

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

Eng 425. **Medieval Literature.** (G) 3 hours.

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

Eng 475. **Literary Foundations of American Life (First Term).** (G) 3 hours.

Eng 484. **Major American Writers: The Realists.** (G) 3 hours.

Eng 507. **Seminar: Prose Fiction.** 3-4 hours.

Eng 507. **Seminar: Allegory.** 3-4 hours.

Eng 508. **Workshop: The Study of Literature.** 3 hours.

**Foreign Languages**

RL 1, 1. **First-Year French.** 8 hours.

GL 1, 2. **First-Year German.** 8 hours.

**Geography**

Geog 426. **Geography of Europe.** (G) 3 hours.

Geog 507. **Seminar: Geography of the Pacific Northwest.** 3 hours.

**Health and Physical Education**

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

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

HE 507. **Seminar: Community Relationships.** 3 hours.

HE 507. **Seminar: Elementary-School Health Education.** 3 hours.

PE 283. **Rhythmics Program for the Elementary-School Child.** 3 hours.

PE 406. **Problems of Ballroom Dancing.** 2 hours.

PE 460. **Physical Education in the Elementary School.** (g) 3 hours.

- PE 506. **Problems of Methods and Materials of Folk and Square Dance.** 3 hours.  
 PE 507. **Seminar: Elementary-School Physical Education.** 3 hours.  
 PE 507. **Seminar: Community Relationships.** 3 hours.  
 PE 515. **History and Trends in Physical Education and Recreation.** 3 hours.  
 PE 551. **Administration of Physical Education.** 3 hours.

#### History

- Hst 424. **The Struggle of Asia: Democracy vs. Communism.** (G) 4 hours.  
 Hst 445. **Europe since 1939.** (G) 4 hours.  
 Hst 448. **Soviet Union.** (G) 4 hours.  
 Hst 455. **Contemporary Latin America.** (G) 4 hours.  
 Hst 463. **British Dominions.** (G) 4 hours.  
 Hst 469. **Recent England.** (G) 4 hours.  
 Hst 474. **American Foreign Relations.** (G) 4 hours.  
 Hst 476. **History of the West.** (G) 4 hours.  
 Hst 477. **History of the Pacific Northwest.** (G) 4 hours.  
 Hst 482. **The United States in the Twentieth Century.** (G) 4 hours.  
 Hst 488. **American Economic History.** (G) 4 hours.

#### Journalism

- J 421. **Magazine Article Writing.** (G) 4 hours.

#### Library

- Lib 381. **Elementary Bibliography and Reference Materials.** 3 hours.  
 Lib 382. **Book Selection and Evaluation.** 3 hours.  
 Lib 386. **Acquisition and Organization of Library Materials.** 3 hours.  
 Lib 484. **School Library Administration.** (g) 3 hours.  
 Lib 487. **Cataloging and Classification.** (g) 3 hours.  
 Lib 488. **Books and Related Library Materials for Young People.** (g) 3 hours.

#### Mathematics

- Mth 200. **Analytic Trigonometry and Geometry.** 4 hours.  
 Mth 425. **Elements of Statistical Methods.** (g) 3 hours.  
 Mth 479. **Algebra.** (g) 3 hours.  
 Mth 499. **Foundations of Mathematics.** (g) 3 hours.  
 Mth 579. **Algebra.** 3 hours.  
 Mth 589. **Geometry.** 3 hours.

#### Music

- Mus 317. **Music Education.** 3 hours.  
 Mus 351. **Voice Class.** 2 hours.  
 Mus 395. **Band.** 1 hour.  
 Mus 396. **Orchestra.** 1 hour.  
 Mus 397. **Choral Union.** 1 hour.  
 Mus 533. **Music in the Elementary School.** 3 hours.  
 Mus 534. **Music in the Junior High School.** 3 hours.

#### Philosophy

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

- Phl 471. **Philosophy of Science.** (G) 3 hours.

#### Physics

- Ph 444. **Frontiers in Physics.** (g) 4 hours.  
 Ph 445. **Problems in Physics Teaching.** (g) 4 hours.

#### Political Science

- PS 411. **Introduction of Public Administration.** (G) 4 hours.  
 PS 423. **Crises in Constitutional Government.** (G) 4 hours.  
 PS 433. **American Political Theory.** (G) 4 hours.  
 PS 494. **Issues of American Policy.** (G) 4 hours.

#### Psychology

- Psy 431. **Clinical Methods in Psychology.** (G) 2 hours.  
 Psy 433. **Mental-Testing Laboratory.** (G) 2 hours.  
 Psy 435. **Counseling Procedures.** (G) 4 hours.  
 Psy 437. **Projective Techniques.** (G) 4 hours.

#### Sociology

- Soc 417. **Juvenile Delinquency.** (G) 4 hours.  
 Soc 431. **Human Ecology (Urban Sociology).** (G) 4 hours.  
 Soc 440. **Principles and Practices of Social Group Work.** (G) 4 hours.  
 Soc 507. **Seminar: Human Nature and Group Life.** 2 hours.  
 Soc 507. **Seminar: Education for Later Maturity.** 3 hours.  
 Soc 507. **Seminar: Teachers' Use of Social Agencies.** 2 hours.

#### Speech

- Sp 424. **Speech Forms and Techniques in Group Control.** (G) 4 hours.  
 Sp 448. **Radio and the Public.** (G) 4 hours.  
 Sp 481. **Speech Defects and Disorders.** (G) 4 hours.  
 Sp 507. **Seminar: Discussion, Debate, and Persuasion.** 4 hours.  
 Sp 507. **Seminar: Oral Interpretation in the Study of Literature.** 4 hours.  
 Sp 507. **Seminar: The Role of Speech in the Educative Process.** 4 hours.  
 Sp 507. **Seminar: Radio and Television in Education.** 4 hours.  
 Sp 507. **Seminar: Theory and Practice of Dramatic Production.** 4 hours.  
 Sp 507. **Seminar: Technical Problems of Theater.** 4 hours.  
 Sp 507. **Seminar: Problems in The Treatment of Stuttering.** 6 hours.

#### ENGLISH

Professors: HOELTJE, LESCH, MOLL, SOUERS, TROWBRIDGE. Associate Professor: MOORE. Assistant Professor: OSWALD. Instructor: GORDON. Visiting Faculty: SMITH.

- Eng 101. **Survey of English Literature (First Term).** 3 hours.  
 From *Beowulf* to Milton. TuWThF, 11:00. 117 Friendly. Gordon.  
 Wr 111. **English Composition (First Term).** 3 hours.  
 Fundamentals of English composition. TuWThF, 8:00. 117 Friendly. Gordon.  
 Wr 112. **English Composition (Second Term).** 3 hours.  
 Continuation of Wr 111. TuWThF, 10:00. 117 Friendly. Gordon.

- Wr 113. **English Composition (Third Term)**. 3 hours.  
Continuation of Wr 112. TuWThF, 10:00. 117 Friendly. Gordon.
- Eng 201. **Shakespeare (First Term)**. 3 hours.  
MTuWTh, 11:00. 118 Friendly. Moore.
- Eng 403. **Thesis for Honors Candidates**. Hours to be arranged.
- Eng 405. **Reading and Conference**. Hours to be arranged.
- Eng 407. **Seminar: Shakespeare**. (G) 3 hours.  
MTuWTh, 11:00. 118 Friendly. Moore.
- Wr 411. **English Composition for Teachers**. (g) 3 hours.  
For students expecting to teach English in high school. Practice in writing and a review of the rules of composition. Required for satisfaction of the high-school teaching-field requirement in English. Prerequisite: Wr 111, 112, 113. TuWThF, 9:00. 117 Friendly. Oswald.
- Eng 425. **Mediaeval Literature**. (G) 3 hours.  
Introduction to the literature of the Middle Ages. Influences that helped to form European literature, particularly the literature of England; the mediaeval mode of expression; background for the understanding of the literature of later periods. Readings are in translation. MTuWTh, 10:00. 118 Friendly. Souers.
- Eng 428. **Chaucer**. (G) 3 hours.  
As much of Chaucer's work read as time permits. Required for graduate students in English. MTuWTh, 9:00. 118 Friendly. Souers.
- Eng 475. **Literary Foundations of American Life (First Term)**. (G) 3 hours.  
Authors whose writings have largely given shape to American thought. Required of all majors in American literature who have not taken Eng 261, 262, 263. Two consecutive terms will satisfy the high-school teaching-field requirement in English. TuWThF, 8:00. 115 Friendly. Hoeltje.
- Eng 484. **Major American Writers: The Realists**. (G) 3 hours.  
Whitman and Twain. TuWThF, 10:00. 115 Friendly. Hoeltje.
- Eng 501. **Research**. Hours to be arranged.
- Eng 503. **Thesis**. Hours to be arranged.
- Eng 505. **Reading and Conference**. Hours to be arranged.
- Eng 507. **Seminar: Prose Fiction**. 3-4 hours.  
Time to be arranged. Moore.
- Eng 507. **Seminar: Allegory**. 3-4 hours  
Time to be arranged. Lesch.
- Eng 508. **Workshop: The Study of Literature**. 3 hours.  
June 29-July 6. A critical approach to the problems which confront the teacher in presenting literature to high-school students. Discussion of the contribution of literature to general culture and to growth of thought, feeling, and imagination. Literature as art or craft; meaning and style. Daily, time to be arranged. 105 Friendly. Lesch, Moll, Smith, Trowbridge.

### FOREIGN LANGUAGES

Professor: KREMER. Associate Professor: JOHNSON.

#### FRENCH

- \*RL 1, 2. **First-Year French**. 8 hours.  
An introduction to the language, stressing reading, comprehension of the

\* Students who complete RL 1, 2, or GL 1, 2, with a grade of A or B may enter Second-Year French or German in the fall term.

- spoken tongue, and the first principles of French grammar. Equivalent to the first two terms of First-Year French given during the regular academic year. Daily 8:00, 11:00. 216 Friendly. Johnson.
- RL 405. **Reading and Conference**. 3 hours.  
A review of the principles of French grammar intended primarily for teachers. Persons interested in studying French literature should consult the instructor. Time to be arranged. Johnson.
- RL 503. **Thesis**. Hours to be arranged.  
Johnson.
- RL 505. **Reading and Conference**. 3 hours.  
Readings in French literature. Time to be arranged. Johnson.

### GERMAN

- \*GL 1, 2. **First-Year German**. 8 hours.  
The fundamentals of grammar, oral drill, translation of prose selections. Equivalent to the first two terms of First-Year German given during the regular academic year. Recommended for students who wish to acquire a reading knowledge. Daily, 8:00, 9:00. 215 Friendly. Kremer.

### GEOGRAPHY

Professor: DICKEN.

- Geog 426. **Geography of Europe**. (G) 3 hours.  
Some of the special problems of Europe today studied in light of the geographic background of the continent. Prerequisite: Geog 105, 106, 107 or Geog 201, 202, 203. MTuWTh, 10:00. 101 Condon. Dicken.
- Geog 501. **Research**. Hours to be arranged.
- Geog 503. **Thesis**. Hours to be arranged.
- Geog 505. **Reading and Conference**. Hours to be arranged.
- Geog 507. **Seminar: Geography of the Pacific Northwest**. 3 hours.  
Emphasis on Oregon. MTuWTh, 11:00. 103 Condon. Dicken.

### GEOLOGY

Associate Professor: BALDWIN.

- Geol 406. **Advanced Field Geology**. 9 hours.  
Six weeks. Geological field work in selected parts of Oregon. Prerequisite: Geol 314, Geol 383, and consent of instructor. Baldwin.
- 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.  
Six weeks. Geologic field work in selected parts of Oregon. Emphasis on individual problems. Prerequisite: graduate standing and consent of the instructor. Baldwin.

\* See note (\*), page 32.

**HEALTH AND PHYSICAL EDUCATION**

Professors: HAAR, LEIGHTON, WASHKE. Associate Professors: MOORHEAD, SIGERSETH, SPRAGUE, WENTWORTH. Assistant Professor: RHODA. Instructors: BOWERMAN, KIRSCH. Visiting Faculty: INGWERSEN, WATTS.

**HEALTH EDUCATION (PROFESSIONAL)**

- HE 252. **First Aid.** 3 hours.  
American Red Cross first aid; lectures, demonstrations, and practice leading to standard and advanced first-aid certificates. MTuWF, 11:00. 107 Physical Education. Washke.
- HE 406. **Special Problems.** Hours to be arranged.  
Individual study of special problems assigned by the adviser and approved by the dean of the school.
- HE 450. **Elementary-School Health Education.** (g) 3 hours.  
The purposes and requirements of the elementary-school health service program, with emphasis upon organization and procedure 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. MTuWF, 2:00. 122 Physical Education. Moorhead.
- HE 463. **Social Hygiene.** (G) 3 hours.  
Social-hygiene content, methods, and materials appropriate for junior and senior high schools, with special application to social hygiene, mental health, and family-life education units in the state course of study. Prerequisite: senior standing in health education or biology; graduate standing in education or physical education. MTuWTh, 8:00. 122 Physical Education. Moorhead.
- HE 464. **Health Instruction.** (G) 3 hours.  
Methods and materials in health instruction for junior and senior high schools; emphasis on the preparation and construction of health teaching units. Prerequisite: HE 361, HE 362, HE 363 or consent of instructor. MWThF, 9:00. 122 Physical Education. Haar.
- HE 501. **Research in Health Education.** Hours to be arranged.
- HE 503. **Thesis.** Hours to be arranged.
- HE 505. **Reading and Conference.** Hours to be arranged.
- HE 506. **Special Problems.** Hours to be arranged.  
Individual study of special problems assigned by adviser and approved by the dean of the school. Credit and time to be arranged.
- HE 507. **Seminar: Community Relationships.** 3 hours.  
Seminar for teachers of health education and for school administrators. The relationship of the school health program and the physical-education program to official health agencies, to professional health and medical organizations, to lay health agencies, to all significant community organizations. Methods and techniques for interpreting the school programs to the community. How the various agencies and organizations operate within the community. Their special interests in the school health program and in the physical-education program. MTuWTh, 11:00. 122 Physical Education. Moorhead.
- HE 507. **Seminar: Elementary-School Health Education.** 3 hours.  
MTuWF, 2:00. 122 Physical Education. Moorhead.
- HE 543. **Advanced Health Instruction.** 3 hours.  
Organization of the public-school health-instruction program; for health

teachers, supervisors, and coordinators. Basic steps in the development of the program. Prerequisite: HE 464 or consent of instructor. MWThF, 1:00. 107 Physical Education. Haar.

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

Organization and administration of the school health program. MTuWTh, 2:00. 114 Physical Education. Haar.

**PHYSICAL EDUCATION (SERVICE COURSES)****PE 390. Tennis.** 1 hour.

MTuWTh, 3:00. Washke.

**COACHING SCHOOL\***

June 22-27

**PE 451a. Football Coaching.** 1-2 hours.

Rules, systems of play, strategy, responsibilities of the coach, public relations, conference organization. Daily, 2:00-4:00. McArthur Court. Ingwersen.

**PE 452a. Basketball Fundamentals.** 1-2 hours.

Coaching methods and problems. Fundamentals of team play; comparison of systems, strategy; training; conditions; rules; officiating; selection of men for positions. Daily, 7:00-9:00 p.m. McArthur Court. Watts.

**PE 455a. Baseball Coaching.** 1-2 hours.

Review of fundamentals, with emphasis on methods of instruction; problems and duties of the baseball coach, including baseball strategy, rules and umpiring, baseball psychology, training, condition. Daily, 4:00-5:00. McArthur Court. Kirsch.

**PE 456a. Track Coaching.** 1-2 hours.

Principles of training; development for performance for each track event. Selection of men for different events; conducting meets; officiating. Daily, 1:00-2:00. McArthur Court. Bowerman.

**PHYSICAL EDUCATION (PROFESSIONAL)****PE 283. Rhythmics Program for the Elementary-School Child.** 3 hours.

Rhythmic fundamentals, skills, and dances for children of grades 1 through 6. Special emphasis on teaching methods. MTuWTh, 10:00. Gerlinger. Wentworth.

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

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

**PE 406. Special Problems: Ballroom Dancing.** 2 hours.

For men and women. Materials of ballroom dancing, including the basic skills, and a variety of dance-pattern combinations of the fox trot, waltz, rumba, and tango. MWThF, 11:00. Gerlinger. Wentworth.

**PE 460. Physical Education in the Elementary School.** (g) 3 hours.

An analysis and interpretive study of the objectives, standards, and pur-

\* The Pacific Coast Athletic Conference Code provides that: "Any student who enrolls or participates in any course which teaches, coaches or includes training in football materials, techniques or activities during any summer session shall be ineligible for competition in football during the succeeding football season, and any student who enrolls or participates in any course which teaches, coaches or includes training in basketball materials, techniques or activities during any summer session shall be ineligible for competition in basketball during the succeeding basketball season, irrespective of whether such courses are or are not required courses in the curriculum of such student."

- poses of the elementary-school physical-education program. MTuThF, 3:00. 122 Physical Education. Sprague.
- PE 501. **Research in Physical Education.** Hours to be arranged.
- PE 503. **Thesis.** Hours to be arranged.
- PE 505. **Reading and Conference.** Hours to be arranged.
- PE 506. **Special Problems.** Hours to be arranged.  
Individual study of selected problems in the field of physical education or recreation assigned by the adviser and approved by the dean of the school.
- PE 506. **Special Problems: Methods and Materials of Folk and Square Dance.** 3 hours.  
For men and women. American and foreign folk dances for the junior and senior high schools. Analysis of materials in terms of the objectives and standards of the Oregon physical-education program. Special emphasis on teaching procedures directed to the achievement of objectives. Prerequisite: consent of instructor. MTuWTh, 8:00. Gerlinger. Wentworth.
- PE 507. **Seminar: Elementary-School Physical Education.** 3 hours.  
MTuThF, 3:00. 122 Physical Education. Sprague.
- PE 507. **Seminar: Community Relationships.** 3 hours.  
MTuWTh, 11:00. 122 Physical Education. Moorhead.
- PE 507. **Seminar: Program Construction in Physical Education.** 3 hours.  
Basic elements and procedures of program construction in physical education. For supervisors and administrators of physical-education programs. Special application at the city, county, and state levels. Students may work directly on their own programs. MWThF, 9:00. 114 Physical Education. Sprague.
- PE 515. **History and Trends in Physical Education and Recreation.** 3 hours.  
The historical movements in the two fields. Their interrelation with one another. Attempt to identify future trends and their meaning for future development. MTuWTh, 10:00. 114 Physical Education. Washke.
- PE 517. **Methods of Research.** 3 hours.  
The methods and techniques of research in health, physical education, and recreation; practice in application to problems of current interest. MTuWTh, 3:00. 114 Physical Education. Sigersth.
- PE 540. **Statistical Methods in Physical Education.** 3 hours.  
The use of norms, comparable scores, rating scales, multiple regression, as tools of research and interpretation of physical-growth, physical-status, and physical-performance data. Prerequisite: elementary statistics. MTuWTh, 1:00. 114 Physical Education. Rhoda.
- PE 542. **Measurement in Physical Education.** 4 hours.  
Testing procedures important in physical education; history, scope, and methods. Lectures and laboratory. MTuWTh, 2:00. 107 Physical Education. Rhoda.
- PE 551. **Administration of Physical Education.** 3 hours.  
Organization and administration of the physical-education program at the college level. MTuWTh, 1:00. 122 Physical Education. Sprague.
- PE 556. **Administration of Buildings and Facilities.** 3 hours.  
Building layout and equipment; relationship of the various functional units; equipment, service, dressing facilities, activity spaces, administrative units, permanent and dismantlable equipment. MWThF, 3:00. 107 Physical Education. Rhoda.

PE 572. **Gross Human Anatomy.** 3 hours.

An intensive study and analysis of the human skeletal and muscular structure with reference to body movement. MWThF, 9:00. 121 Gerlinger. Sigersth.

PE 573. **Objective Physical Education.** 3 hours.

Principles, practices, and purposes of developing basic physical-fitness elements of strength, endurance, agility, basic body skills. How to organize class work and programs. How to plan limits and symmetry of development of these elements. Their relation to skills of specialized activities such as the major sports. Lectures and laboratory. MTuWF, 10:00. 122 Physical Education. Sigersth.

## HISTORY

Associate Professor: POMEROY. Assistant Professors: BINGHAM, LEE, SORENSON, SMITH, WILLIAMS.

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

Social, political, economic, and military development, 1896-1953. Third term of regular year sequence. Daily, 11:00. 212 Commonwealth. Bingham.

Hst 405. **Reading and Conference.** 1 to 3 hours.

Conferences on reading in a special field, with a written report or examination. Open only to students eligible for honors (cumulative GPA of 2.75). Sorenson, Pomeroy.

Hst 424. **The Struggle for Asia: Democracy vs. Communism.** (G) 4 hours.

Basic characteristics of the contest for power between Russia and the United States. Daily, 10:00. 212 Commonwealth. Lee.

Hst 445. **Europe Since 1939.** (G) 4 hours.

Origins and course of World War II; postwar developments in the European states. Daily, 9:00. 212 Commonwealth.

Hst 448. **Soviet Union.** (G) 4 hours.

The Revolution of 1917; Russian domestic and foreign policies from 1917 to the present. Daily, 10:00. 232 Commonwealth.

Hst 455. **Contemporary Latin America.** (G) 4 hours.

Developments in Latin America since 1900. Daily, 10:00. 231 Commonwealth. Williams.

Hst 463. **British Dominions: Canada.** (G) 4 hours.

The history of Canada. Daily, 1:00. 212 Commonwealth. Smith.

Hst 469. **Recent England.** (G) 4 hours.

Social, political, economic, and intellectual changes in Great Britain in the twentieth century. Daily, 10:00. 107 Commonwealth. Smith.

Hst 474. **American Foreign Relations.** (G) 4 hours.

The relations of the United States with other powers since about 1865; the development of American foreign policies. Daily, 8:00. 212 Commonwealth. Williams.

Hst 476. **History of the West.** (G) 4 hours.

The trans-Mississippi West. Daily, 1:00. 107 Commonwealth. Pomeroy.

Hst 477. **History of the Pacific Northwest.** (G) 4 hours.

The growth of civilization in the Pacific Northwest. Not open to students who have taken Hst 377; meets the requirement for teacher certification. Daily, 8:00. 232 Commonwealth. Bingham.

- Hst 482. **The United States in the Twentieth Century.** (G) 4 hours.  
United States history since 1932. Daily, 11:00. 107 Commonwealth. Pomeroy.
- Hst 488. **American Economic History.** (G) 4 hours.  
Economic development of the United States, 1850-1900. Daily, 9:00. 107 Commonwealth. Sorenson.
- Hst 501. **Research: Pacific Northwest.** Hours to be arranged.  
Bingham.
- Hst 503. **Thesis.** Hours to be arranged.
- Hst 505. **Reading and Conference.** Hours to be arranged.  
Pacific Northwest. Bingham.  
United States. Sorenson, Pomeroy.
- Hst 507. **Seminar.** 3 hours.  
United States. Tu, 2:00-4:00. 212 Commonwealth. Williams.  
England: Nineteenth Century. W, 2:00-4:00. 212 Commonwealth. Smith.

### JOURNALISM

Associate Professor: DUNCAN. Assistant Professor: SUMMERS.

- J 421. **Magazine Article Writing.** (G) 4 hours.  
A study of the problems of writing and selling articles, with emphasis on the marketing of manuscripts. Conferences. Daily, 9:00. 103 Journalism. Duncan.
- J 441. **Radio Advertising.** (G) 2 hours.  
First four weeks, June 22-July 17. A study of the principles of radio advertising and of the techniques involved. Radio's place in modern advertising; methods of measuring audience, planning campaigns, writing copy, checking results. Daily, 11:00. 103 Journalism. Summers.
- J 488. **The Public and the Press** (g) 4 hours.  
Analysis of the role of newspapers, magazines, motion pictures, radio, and television in a democratic society; the problem of improving the relationship between the public and the press in the mass-communication process. Not open to journalism majors. Daily, 10:00. 103 Journalism. Duncan.
- J 503. **Thesis.** Hours to be arranged.
- J 505. **Reading and Conference.** Hours to be arranged.
- J 507. **Seminar: Society and Mass Communications.** 4 hours.  
TuTh, 2:00-4:00. 103 Journalism. Duncan.

### LIBRARY METHODS

Instructors: BAKER, LAMB, RISE. Visiting Faculty: CHESTER, DOUGLAS.

- Lib 381. **Elementary Bibliography and Reference Materials.** 3 hours.  
Study of important reference books, indexes, and bibliographies. Practical problems in the use of reference tools. TuWThF, 9:00. Library. Lamb.
- Lib 382. **Book Selection and Evaluation.** 3 hours.  
Designed to provide a general survey of the best books and authors, old and new, in various fields of writing, and to interpret and apply principles and standards for judging them. Consideration given to the best aids in book selection, the development of collections, and book reviewing. MTuThF, 11:00. Browsing Room, Student Union. Rise.

- Lib 386. **Acquisition and Organization of Library Materials.** 3 hours.  
Instruction and practice in simplified procedures for the acquisition, preparation, organization, and circulation of books and related library materials. Lectures, MW 1:00; laboratory, MW 2:00-4:00. Library. Lamb.
- Lib 484. **School Library Administration.** (g) 3 hours.  
Planned for school administrators as well as librarians; particular emphasis on the place of the library in the instructional program. Problems of support and control; housing and equipment; standards; evaluation; objectives. Prerequisite: Lib 381, Lib 382, Lib 386 or consent of instructor. MTuThF, 10:00. Library. Lamb.
- Lib 487. **Cataloging and Classification.** (g) 3 hours.  
Expansion of the principles and methods of classification and cataloging of books and related materials. Attention given to advanced problems in cataloging. Prerequisite: Lib 381, Lib 382, Lib 386. Lectures, TuTh, 1:00; laboratory, TuTh 2:00-4:00. Library. Baker.
- Lib 488. **Books and Related Library Materials for Young People.** (g) 3 hours.  
Primarily a reading course based on materials suitable for the junior and senior high school. Study of reading interests and curricular needs; criteria for evaluating materials; selection aids; devices for encouraging reading. Considerable emphasis on the library as an information laboratory. Prerequisite: Lib 381, Lib 382, and Lib 386 or consent of instructor. MTuWTh, 11:00. Library, Eugene High School. Lamb.
- Ed 508. **Workshop: The Modern School Library.** 3 hours.  
June 29-July 10. This workshop will center about the administrative aspects of the modern school library and its place in the educational program. Lectures, discussion groups, work-study periods, committee and individual assignments. Prerequisites: 9 hours in library science, or equivalent experience and consent of the staff. Daily, time to be arranged. Library. Douglas, Chester, Hintz, staff.

### MATHEMATICS

Professor: MOURSUND. Associate Professor: CIVIN.

Upper-division and graduate courses offered by the Department of Mathematics during the summer session differ somewhat from those offered during the regular session. Usually, however, the needs of all students can be met (in particular it may be possible to offer some work in calculus). Regular-session students should consult the head of the department before planning their programs.

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

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

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

It is the intention of the department to offer four of the total of six terms in these courses each summer; the courses will be scheduled in such a manner that a student may complete two sequences in at most three summers and three sequences in at most four summers. Mth 479, Mth 499, Mth 579, and Mth 589 are being offered this summer. Mth 489, Mth 579, Mth 589, and Mth 599 are scheduled for 1954; Mth 479, Mth 489, Mth 499, and another course to be selected are scheduled for 1955.

- \*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. Daily, 9:00. 104 Deady.
- \*Mth 105. **College Algebra.** 4 hours.  
More advanced than Mth 100. Prerequisite: one and one-half years of high-school algebra or Mth 100. Daily, 8:00. 104 Deady.
- \*Mth 200. **Analytic Trigonometry and Geometry.** 4 hours.  
Intended for students who have had algebra equivalent to college algebra and some work in trigonometry. Daily, 11:00. 104 Deady.
- Mth 405. **Reading and Conference.** Hours to be arranged.
- Mth 425. **Elements of Statistical Methods.** (g) 3 hours.  
An introductory course in statistics. Computing machines are available for student use. Prerequisite: consent of the department. MTuWF, 9:00. 11 Deady. Civin.
- Mth 479. **Algebra.** (g) 3 hours.  
Intended primarily for high-school mathematics teachers. Number systems, Euclid's algorithm, theory upon which algebraic operations taught in high-school are based, other selected topics. Prerequisite: analytical geometry. MTuWF, 8:00. 205 Deady. Civin.
- Mth 499. **Foundations of Mathematics.** (g) 3 hours.  
Intended primarily for mathematics teachers. Historical development of mathematical principles; operations with numbers and polynomials in various systems; notion of limit and applications; the nature of mathematics, mathematical literature. Prerequisites: analytical geometry. MTuWF, 11:00. 205 Deady. Civin.
- Mth 501. **Research.** Hours to be arranged.
- Mth 503. **Thesis.** Hours to be arranged.
- Mth 505. **Reading and Conference.** Hours to be arranged.
- Mth 507. **Seminar: Analysis.** 3-4 hours.  
Topics primarily from complex variable theory selected to meet the needs of students. Prerequisites: consent of instructor. Daily, 8:00. 206 Deady. Moursund.
- Mth 579. **Algebra.** 3 hours.  
Reading and conference. Intended primarily for mathematics teachers. Theory of equations and determinants. Selected algebraic topics. An introduction to modern algebra. Prerequisites: analytical geometry. Time and place to be arranged. Civin.
- Mth 589. **Geometry.** 3 hours.  
Intended primarily for teachers. Advanced theory of geometric constructions, non-Euclidean geometry, projective geometry. Prerequisite: analytical geometry and consent of instructor. MTuWF, 10:00. 206 Deady. Moursund.

## MUSIC

Professors: CYKLER, KRATT. Associate Professors: BOUGHTON, GREEN, NYE. Assistant Professors: ALLTON, ANDERSON, DIETRICH. Instructor: LEE.  
Visiting Faculty: ERNST, GUTMANN, KEUTZER.

- Mus 195. **Band.** 1 hour.  
MTuWTh, 3:00 Music Auditorium. Lee.

\* Two of the three courses Mth 100, Mth 105, Mth 200 will be offered, depending on enrollment prospects. Students are urged to make their wishes known to the department in advance.

- Mus 196. **Orchestra.** 1 hour.  
TuTh, 2:00; W, 7:00-9:00 p.m. Music Auditorium. Boughton.
- Mus 197. **Choral Union.** 1 hour.  
MTuWTh, 1:00. 202 Music. Keutzer.
- Mus 317. **Music Education.** 3 hours.  
Survey of methods and materials used in teaching music in the elementary schools, with emphasis upon the supervision of music. Daily, 9:00. 104 Music.
- Mus 318. **Music Education.** 3 hours.  
Survey of methods and materials used in teaching music in the junior-high schools. Prerequisite: consent of instructor. Time to be arranged. Nye.
- Mus 325. **Choral Conducting.** 2 hours.  
The principles of conducting and training choral organizations. MWF, 10:00. 202 Music. Anderson.
- Mus 351. **Voice Class.** 2 hours.  
Study of voice problems in the public schools. MWF, 2:00. 202 Music. Anderson.
- Mus 395. **Band.** 1 hour.  
MTuWTh, 3:00. Music Auditorium. Lee.
- Mus 396. **Orchestra.** 1 hour.  
TuTh, 2:00; W, 7:00-9:00 p.m. Music Auditorium. Boughton.
- Mus 397. **Choral Union.** 1 hour.  
MTuWTh, 1:00. 202 Music. Keutzer.
- Mus 405. **Reading and Conference.** Hours to be arranged.
- Mus 407. **Seminar: Administration of School Music.** (G) 3 hours.  
MTuThF, 10:00. 203 Music. Ernst.
- Mus 407. **Seminar: Choral Arranging.** (g) 3 hours.  
Techniques in arranging for various types of choral groups. Prerequisite: Mus 211, 212, 213 or equivalent. MTuThF, 8:00. 203 Music. Dieterich.
- Mus 407. **Seminar: Choral Materials.** (G) 2 hours.  
First four weeks. Survey of choral materials from elementary school through college. Daily, 11:00. 202 Music. Keutzer.
- Mus 407. **Seminar: Choral Techniques.** (G) 2 hours.  
Second four weeks. Principles and techniques of choral singing. Daily, 11:00. 202 Music. Keutzer.
- Mus 407. **Seminar: Problems in Brass Instruments.** (G) 1 hour.  
Second four weeks. MTuThF, 1:00. 201 Music. Lee.
- Mus 407. **Seminar: Problems in Woodwind Instruments.** (G) 1 hour.  
Problems of teaching flute, oboe, clarinet, bassoon, saxophone. Reed making. TuTh, 9:00. 201 Music. Gutmann.
- Mus 408. **Seminar in Music History.** (G) 3 hours.  
Music of the nineteenth century. MTuThF, 8:00. 104 Music. Cykler.
- Mus 429. **Introduction to Musicology.** (G) 3 hours.  
Study of the methods of research in music, and application of research techniques to particular musical problems. Prerequisite: Mus 360, 361, 362 or consent of instructor. MTuThF, 9:00. 202 Music. Cykler.

**Mus 432. Advanced Conducting.** (G) 2 hours.

Techniques of conducting and problems of the symphony orchestra and choral groups. Score reading. MWF, 11:00. 204 Music. Boughton.

**Mus 434. Applied Theory.** (G) 3 hours.

Designed primarily for school orchestra, band, and choral directors. Practical study of problems of harmony, form, structure, counterpoint, rhythm, and intonation as they are usually encountered in music performed by high-school organizations. This course may be counted toward the degree of Master of Science in General Studies; it may not be counted toward a music degree. Prerequisite: experience as an orchestra, band, or choral director. MTuThF, 10:00. 105 Music. Dieterich.

**Mus 435. Applied Theory.** (G) 3 hours.

Continuation of Mus 434. MTuThF, 10:00. 104 Music. Green.

**Mus 435. Applied Theory.** (G) 3 hours.

Continuation of Mus 435. MTuThF, 10:00. 104 Music. Green.

**Mus 501. Research.** Hours to be arranged.**Mus 503. Thesis.** Hours to be arranged.**Mus 505. Reading and Conference.** Hours to be arranged.**Mus 507. Seminar: Analysis of Music Structure.** 2 hours.

For advanced students in music education. MWF, 9:00. 203 Music. Green.

**Mus 530. String Literature for Public Schools.** 3 hours.

Repertory for orchestras and other stringed-instrument groups in the public schools; problems of leadership, presentation, organization, and program planning. MTuThF, 1:00. 204 Music. Boughton.

**Mus 533. Music in the Elementary School.** 3 hours.

Philosophy, supervision, curriculum, materials, and procedures of teaching music in the elementary school. Research in problems involving music and related areas of instruction. MTuThF, 2:00. 104 Music. Nye.

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

Continuation of Mus 533. MTuThF, 11:00. 104 Music. Nye.

**APPLIED MUSIC****Mus 190, 290, 390, 490. Individual Instruction.** 1 to 2 hours.**Mus 590. Individual Instruction.** 1 to 4 hours.

Private lessons (one-half hour) in piano, violin, cello, and voice; one lesson per week for eight weeks, \$20.00; two lessons per week, \$33.00. Private lessons in any of the wind instruments: one lesson per week for eight weeks, \$14.00; two lessons per week, \$28.00. Practice-room fee: one hour daily, \$2.75.

**HIGH-SCHOOL MUSIC SUMMER SESSION**

IRA LEE, Director

A three-week summer session for high-school students in band, orchestra, and vocal music will be held on the campus from June 28 to July 17. Observation of the rehearsals of the high-school groups will be interesting and valuable for high-school music teachers.

**PHILOSOPHY**

Professor: CASTELL. Associate Professor: JESSUP. Assistant Professor: PAP.

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

Major theories of beauty and the aesthetic experience—ancient, mediaeval,

renaissance, modern, and contemporary. Prerequisite: consent of instructor. TuWThF, 11:00. 202 Chapman. Jessup.

**Phl 471. Philosophy of Science.** (G) 3 hours.

Analysis of basic concepts of science, such as "explanation," "chance," "causation," etc. Nature of mathematics and its relation to empirical science. TuWThF, 10:00. 202 Chapman. Pap.

**Phl 507. Seminar: Philosophy of Education.** 4 hours.

Study of the broad fundamental principals and problems of education as evaluated by the various schools of philosophical thought. Daily, 1:00. 202 Chapman. Castell.

**PHYSICS**

Professors: ELLICKSON, NORRIS. Assistant Professor: DART.

**Ph 444. Frontiers in Physics.** (g) 4 hours.

Designed especially for high-school science teachers. The physical principles underlying recent developments such as nuclear physics, rocket and jet propulsion, ultrasonics, radioactive-isotope research; atomic energy discussed and analyzed, to provide an adequate background for the discussion of these problems with high-school students. Lectures. Daily, 9:00. 16 Science. Norris, Dart.

**Ph 445. Problems in Physics Teaching.** (g) 4 hours.

Designed especially for high-school science teachers. Basic concepts, laws, and principles of physics discussed, with special emphasis on those which may be confusing to high-school students. The use, care, and adjustment of laboratory apparatus; the design and use of demonstration equipment. Lectures. Daily, 11:00. 16 Science. Norris, Dart.

**Ph 501. Research.** Hours to be arranged.**Ph 503. Thesis.** Hours to be arranged.**Ph 505. Reading and Conference.** Hours to be arranged.**POLITICAL SCIENCE**

Assistant Professors: DEAN, KROLL.

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

Study of the organization and activities of government in carrying out public policy, with special reference to the Federal government and to the government of Oregon. Daily, 10:00. 332 Commonwealth. Kroll.

**PS 423. Crises in Constitutional Government.** (G) 4 hours.

Analysis of governmental institutions and politics in the United Kingdom and Western Europe, with special emphasis on contemporary problems. Daily, 8:00. 332 Commonwealth. Kroll.

**PS 433. American Political Theory.** (G) 4 hours.

The development of American political theories from early colonial days to the present. Daily, 9:00. 332 Commonwealth. Dean.

**PS 494. Issues of American Policy.** (G) 4 hours.

Sources and character of issues in contemporary policy debates. Daily, 11:00. 332 Commonwealth. Dean.

**PSYCHOLOGY**

Associate Professor: TYLER. Assistant Professors: LITTMAN, SUNDBERG.  
Instructor: PIERCE-JONES.

**Psy 431. Clinical Methods in Psychology.** (G) 2 hours.

Application of psychological methods to the study of the individual; survey

of intelligence, achievement, special-aptitude, and personality tests; theoretical and statistical background for interpretation of test scores; training in diagnosis of actual cases. MWF, 2:00. 302 Condon. Sundberg.

**Psy 433. Mental-Testing Laboratory.** (G) 2 hours.

Supervised practice in the administration and scoring of individual and group intelligence tests and various tests of achievement, special aptitude, and personality. 2 two-hour laboratory periods. Prerequisite: Psy 431. TuTh, 1:00-3:00. 302 Condon. Sundberg.

**Psy 435. Counseling Procedures** (G) 4 hours.

Counseling problems of various types. Methods of interviewing for different purposes. Sources of vocational information. Diagnosis of individual cases. Evaluation of counseling programs. Prerequisite: Psy 431, 432 or equivalent. Daily, 8:00. 207 Chapman. Tyler.

**Psy 437. Projective Techniques.** (G) 4 hours.

History and theory of projective methods in the analysis of personality structure. Emphasis on the administration and interpretation of the Rorschach and thematic apperception tests. Daily, 10:00. 302 Condon. Sundberg.

**Psy 460. Psychology of Infancy and Childhood.** (G) 4 hours.

Growth of behavior during the prenatal period, infancy, and childhood. Development of muscular activities, perception, emotional adjustment, intelligence, language, and social behavior in childhood. Daily, 11:00. 302 Condon. Littman.

**Psy 461. Psychology of Adolescence.** (G) 4 hours.

Study of behavior changes during preadolescence and adolescence as related to physiological development and social and cultural factors. Emphasis upon personal and social adjustment. Daily, 1:00. 16 Education. Pierce-Jones.

## SOCIOLOGY

Professor: MOORE. Assistant Professors: BISNO, LEE.

**Soc 417. Juvenile Delinquency.** (G) 4 hours.

Nature and extent of delinquent behavior; contributing factors; current preventative and treatment programs. Prerequisite: general sociology or general psychology. Daily, 8:00. 101 Commonwealth. Bisno.

**Soc 431. Human Ecology: Urban Sociology.** (G) 4 hours.

Analysis of the human community, including its origin and development, ecological and social bases, function and structure patterns, and rural-urban differentials. The relation of social classes, community institutions, and associations to conflict, cleavage, integration, and other aspects of community organization. Prerequisite: general sociology. Daily, 9:00. 101 Commonwealth. Lee.

**Soc 440. Principles and Practices of Social Group Work.** (G) 4 hours.

An analysis of the group-work experience in terms of process and method. Among the topics covered are leadership, discipline, dynamics of group life, functions of the professional and volunteer worker, individual needs within group settings, and program development. Daily, 10:00. 102 Commonwealth. Bisno.

**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: Human Nature and Group Life.** 2 hours.

An analysis of the nature of human nature, based on the findings of socio-psychological and cultural studies, with particular emphasis on the formation of personality through group participation and the emergence of collective behavior in forms such as crowds or mobs. TuTh, 1:00-3:00. 201 Commonwealth. Lee.

**Soc 507. Seminar: Education for Later Maturity.** 3 hours.

June 22-July 3. Attention to the problems of later maturity and the services which the school can offer in meeting the needs of older citizens. Daily, 3:00-5:30. 201 Commonwealth. Moore.

**Soc 507. Seminar: Teachers' Use of Social Agencies.** 2 hours.

An exploration of the types of service available to the teacher and administration from the various social agencies in the community. MW, 1:00-3:00. 201 Commonwealth. Bisno.

## SPEECH

Professors: CLARK, McCALL. Associate Professors: MONTGOMERY, WOOD. Assistant Professor: STARLIN. Instructors: HUNTER, RAMEY. Visiting Faculty: VAN RIPER.

**Sp 111. Fundamentals of Speech.** 4 hours.

Projects in extempore speaking. Primary emphasis on content, organization, and adjustment to the speaking situation. Daily, 8:00. 205 Villard. Montgomery.

**Sp 261. Fundamentals of Stagecraft.** 4 hours.

Planning and construction of stage settings and properties; principles of lighting; mechanics of the physical stage. Practical experience in connection with the production of plays. MWF, 1:00; laboratory to be arranged. 102 Villard. Ramey.

**Sp 424. Speech Forms and Techniques in Group Control.** (G) 4 hours.

Forms and methods in public speech as they relate to audience psychology and special situations. Study of forum panel, committee, lecture, and parliamentary principles in terms of factors of attention, information, and persuasion. Special consideration of the needs of school administrators in public relations. Daily, 11:00. 205 Villard. Montgomery.

**Sp 448. Radio and the Public.** (G) 4 hours.

The influence and importance of radio as a social, political, and cultural force; history of radio programming; commercial versus public-service broadcasting; public opinion and propaganda influence of radio. Daily, 11:00. 304 Villard. Starlin.

**Sp 481. Speech Defects and Disorders.** (G) 4 hours.

Symptoms and causes of speech abnormalities; emphasis on diagnosis and basic pathology of articulatory defects and delayed speech; discussion of methods of treatment limited to general principles. Daily, 10:00. 205 Villard. Montgomery.

**Sp 483. Clinical Methods in Speech Correction.** (G) 4 hours.

Study of specific approaches and techniques used in treatment of the major speech defects, including functional articulatory difficulties, cleft-palate speech, stuttering, and neurological speech disorders. Daily, 9:00. 101 Villard. Wood.

**Sp 484, 485, 486. Clinical Practice in Speech Correction.** (G) 2-4 hours each term.

Actual case experience for student clinicians in diagnosis and treatment of

speech-defective children and adults on an individual basis, under a plan of supervised practices. Time to be arranged. Wood.

- Sp 487. **Rehabilitation of the Hard-of-Hearing.** (G) 4 hours.  
Auditory tests and their interpretation; hearing aids; lip reading and auditory training. Daily, 8:00. 101 Villard. Wood.
- Sp 501. **Research.** Hours to be arranged.
- Sp 503. **Thesis.** Hours to be arranged.
- Sp 505. **Reading and Conference.** Hours to be arranged.
- Sp 507. **Seminar: Discussion, Debate, and Persuasion.** 4 hours.  
Principles and techniques in public discussion, debate, and personal speaking. Application to the high-school forensic program. Daily, 8:00. 217 Villard. Clark.
- Sp 507. **Seminar: Oral Interpretation in the Study of Literature.** 4 hours.  
Daily, 8:00. 201 Villard. McCall.
- Sp 507. **Seminar: The Role of Speech in the Educative Process.** 4 hours.  
Daily, 1:00. 217 Villard. McCall.
- Sp 507. **Seminar: Radio and Television in Education.** 4 hours.  
Daily, 2:00. 217 Villard. Starlin.
- Sp 507. **Seminar: Theory and Practice of Dramatic Production.** 4 hours.  
Daily, 2:00. 206 Villard. Hunter.
- Sp 507. **Seminar: Technical Problems of the Theater.** 4 hours.  
TuTh, 1:00-3:00; laboratory hours to be arranged. 102 Villard. Ramey.
- Sp 507. **Seminar: Problems in the Treatment of Stuttering.** 6 hours.  
June 29-July 25. Results and implications of research in the field of stuttering; methods of therapy with individual stutterers; a program for helping the stutterer at home and at school. Prerequisite: consent of instructor or director of Speech Clinic. Daily, 9:00, 2:00-4:00. 206 Villard. Van Riper.
- Sp 482. **Radio and the Public.** (G) 4 hours.  
The influence and importance of radio as a social, political, and cultural force; history of radio programming; commercial versus public-service broadcasting; the public opinion and propaganda influence of radio. Daily, 11:00, 304 Villard. Starlin.
- Sp 481. **Speech Defects and Disorders.** (G) 4 hours.  
Symptoms and causes of speech abnormalities; emphasis on diagnosis and basic pathology of articulatory defects and delayed speech; discussion of methods of treatment limited to general principles. Daily, 10:00, 302 Villard. Montague.
- Sp 481. **Clinical Methods in Speech Correction.** (G) 4 hours.  
Study of specific languages and techniques used in treatment of the major speech defects including functional articulatory difficulties, cleft palate speech, stuttering, and neurological speech disorders. Daily, 9:30, 181 Villard. Wood.
- Sp 481. **Clinical Practice in Speech Correction.** (G) 4+ hours each.  
Actual case experience for student clinicians in diagnosis and treatment of