

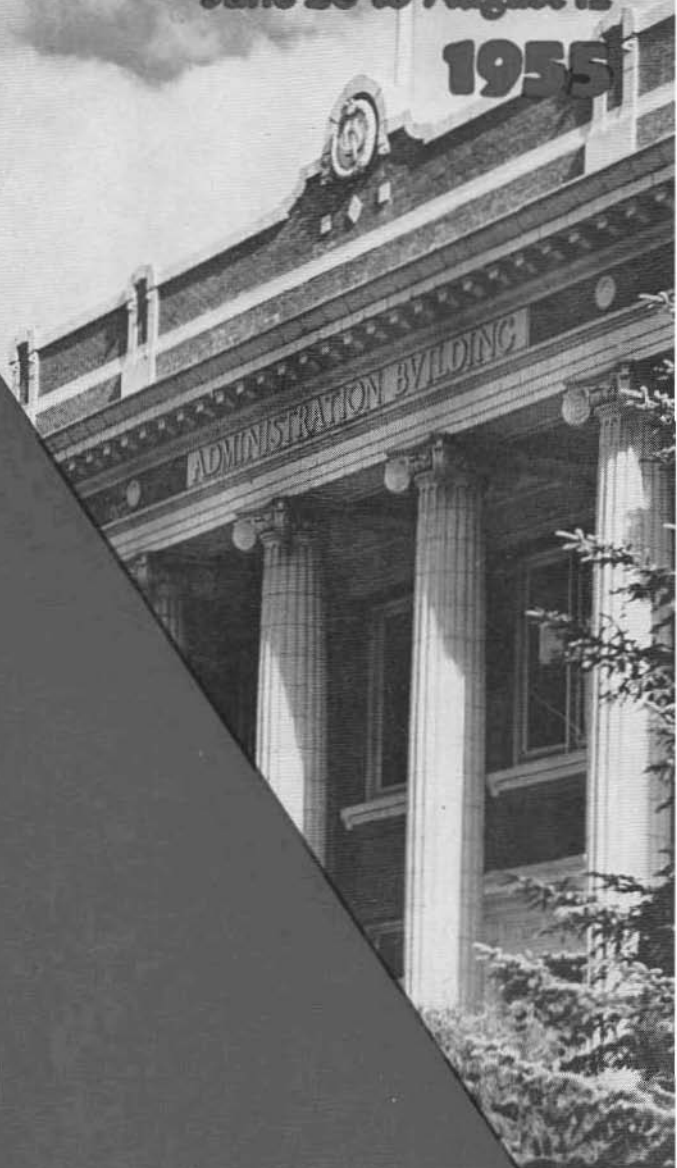
# UNIVERSITY OF OREGON

June 20 to August 12

1955

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UNIVERSITY OF OREGON

# BULLETIN

Oregon State System  
of Higher Education

# UNIVERSITY OF OREGON

June 20 to August 12

# S U M M E R S E S S I O N

**1955**

**UNIVERSITY OF OREGON BULLETIN**

NUMBER 41

MARCH 1955

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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 survey of higher education in Oregon by the U. S. Office of Education, includes all the state-supported institutions of higher education. The several institutions are elements 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, Oregon College of Education at Monmouth, Southern Oregon College of Education at Ashland, and Eastern Oregon College of Education at La Grande. Portland State Extension Center, the Medical School, and the Dental School are located in Portland.

Each of the institutions provides the general studies fundamental to a well-rounded education. At the three colleges of education, students who do not plan to become teachers may devote their time to general studies or preprofessional work, or, at Southern Oregon and Eastern Oregon colleges of education, to approved lower-division programs in certain semi-professional 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.

## Oregon State System of Higher Education

\*CHARLES D. BYRNE, Ed.D., Chancellor

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DAVID W. E. BAIRD, M.D., LL.D. Dean, University of Oregon Medical School	†ROY E. LIEUALLAN, Ed.D. Administrator in Charge, Oregon College of Education
ELMO N. STEVENSON, Ed.D. President, Southern Oregon College of Education	FRANK B. BENNETT, Ed.D. President, Eastern Oregon College of Education
J. F. CRAMER, D.Ed. Dean, General Extension Division	HAROLD J. NOYES, D.D.S., M.D. Dean, Dental School
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### Office of the Chancellor

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### Office of the Comptroller

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VIRON A. MOORE, Ed.D.....	Assistant Dean of General Extension
JAMES C. CAUGHLAN, Ph.D.....	Assistant Dean of General Extension

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IMOGENE CUSAC, B.A., B.A. in L.S.....	Cataloger for Union Catalog

### High School-College Relations Committee

E. DEAN ANDERSON, Ed.D.....	Executive Secretary
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\* Resignation as Chancellor effective June 30, 1955.

† Temporarily filling vacancy resulting from the death of President Roben J. Maaske, Feb. 19, 1955.

‡ Appointment as Chancellor effective July 1, 1955.

# University of Oregon

## Summer Session 1955

### Faculty

\*CHARLES D. BYRNE, D.Ed., Chancellor, Oregon State System of Higher Education.

†JOHN R. RICHARDS, Ph.D., Vice-Chancellor, Oregon State System of Higher Education.

O. MEREDITH WILSON, 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.

BARBARA MOLTZAU, Secretary of Summer Sessions.

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

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

J. SPENCER CARLSON, M.A., Director of Admissions.

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

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

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

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

GOLDA P. 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.

ALFRED L. ELLINGSON, B.S., Director of Student Union.

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

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

AMELIA AULD, M.A., Franklin High School, Portland, Oregon; Visiting Instructor in Education.

CHESTER BABCOCK, Ph.D., Director of Curriculum and Instruction, Seattle Public Schools; Visiting Professor of Education.

WALLACE S. BALDINGER, Ph.D., Associate Professor of Art; Curator of Museum of Art.

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

WILLARD BEAR, M.S., Supervisor of Secondary Education, Oregon State Department of Education; Visiting Instructor in Education.

FLORENCE BEARDSLEY, M.A., Director of Elementary Education, Oregon State Department of Education; Visiting Instructor in Education.

JOEL V. BERREMAN, Ph.D., Professor of Sociology.

HERBERT BISNO, M.S.W., R.S.W., Assistant Professor of Sociology.

QUIRINUS BREEN, Ph.D., Professor of History.

\* Resignation as Chancellor effective June 30, 1955.

† Appointment as Chancellor effective July 1, 1955.

JACK W. BURGNER, M.A., Assistant Professor of Art Education.

WILLIAM H. BURTON, Ph.D., Visiting Professor of Education.

ROBERT CAMPBELL, Ph.D., Assistant Professor of Economics.

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

MADGE CHILCOTE, A.B., B.L.S., Assistant Librarian, Eugene, Oregon, High School; Visiting Instructor in Library Education.

SHANG-YI CH'EN, Ph.D., Professor of Physics.

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

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

H. HARRISON CLARKE, Ed.D., Research Professor of Physical Education.

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

ROBERT G. CUNNINGHAM, Mus.M., Instructor in Woodwinds.

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

WALFRED A. DAHLBERG, M.A., Associate Professor of Speech.

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 DIETERICH, M.Mus., Assistant Professor of Music.

DAVID M. DOUGHERTY, Ph.D., Professor of Romance Languages; Head of Department.

PAUL S. DULL, Ph.D., Associate Professor of History and Political Science.

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

EDWIN G. EBBIGHAUSEN, Ph.D., Associate Professor of Physics.

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

SAVILLE T. FORD, M.B.A., Assistant Professor of Business Administration.

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KENNETH S. GHENT, Ph.D., Associate Professor of Mathematics.

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

WENDELL M. GRAVEN, Ph.D., Assistant Professor of Chemistry.

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

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

AGNELLA GUNN, Ph.D., Professor of Education, Boston University; Visiting Professor of Education.

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ARNOLD HAGEN, M.A., Instructor in Education.

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

W. W. HAYES, M.S., Ohio State University; Visiting Instructor in Physical Education.

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 HUBERT H. HOELTJE, Ph.D., Professor of English.  
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 CATHERINE M. JONES, M.S., M.Bus.Ed., Assistant Professor of Business Administration.  
 PAUL E. KAMBY, Ph.D., Professor of Education.  
 PAT A. KILLGALLON, D.Ed., Professor of Education; Director of Reading Clinic.  
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 ADOLF H. KUNZ, Ph.D., Professor of Chemistry; Head of Department.  
 IRA D. LEE, M.M.R., Assistant Professor of Brass Instruments.  
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 ERNEST G. MOLL, A.M., Professor of English.  
 KIRT E. MONTGOMERY, Ph.D., Associate Professor of Speech.  
 JENNELLE V. MOORHEAD, M.S., Associate Professor of Health Education.  
 CARLISLE MOORE, Ph.D., Associate Professor of English.  
 VICTOR P. MORRIS, Ph.D., Dean of the School of Business Administration; Professor of Economics.  
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 FRANCIS J. REITHEL, Ph.D., Associate Professor of Chemistry.  
 WILLIAM P. RHODA, D.Ed., Assistant Professor of Physical Education.  
 MAX D. RISINGER, M.A., Assistant Professor of Music.  
 WILLIAM J. ROBERT, B.A., LL.B., Associate 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.  
 WALLACE M. RUFF, M.S., Assistant Professor of Landscape Architecture.  
 J. FRANCIS RUMMEL, Ph.D., Assistant Professor of Education.  
 CHARLES B. RYAN, M.F.A., Assistant Professor of Art.  
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 JOHN C. SHERWOOD, Ph.D., Assistant Professor of English.  
 PETER O. SIGERSETH, D.Ed., Associate Professor of Physical Education.  
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 JESSIE M. SMITH, Ph.D., Associate Professor of Business Administration.  
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 LLOYD W. STAPLES, Ph.D., Professor of Geology.  
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 ROBERT S. VAGNER, M.A., M.Mus., Associate Professor of Music; Director of Bands.  
 PIERRE VAN RYSSELBERGHE, Ph.D., Professor of Chemistry.  
 GERALD WALLACE, M.A., Instructor in Education.  
 MARSHALL D. WATTLES, Ph.D., Assistant Professor of Economics.  
 CARL C. WEBB, M.A., Assistant Professor of Journalism.  
 ROSAMOND WENTWORTH, M.S., Associate Professor of Physical Education.  
 RUTH A. WILLARD, Ed.D., Assistant Professor of Education.  
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 BERTRAM YOOD, Ph.D., Assistant Professor of Mathematics.  
 CHARLES F. ZIEBARTH, Ph.D., Associate Professor of Business Administration.

## Summer Session Calendar

June 20—August 12, 1955

June 20.....	Registration
June 21.....	Classes begin
June 23.....	Last day for payment of registration fee without penalty
June 29.....	Last day for adding a course
July 4.....	Independence Day, holiday
July 16.....	Last day for withdrawal from a course
July 30.....	Last day for filing graduate theses
August 11-12.....	Final examinations

## The Summer Program

The fifty-first annual summer session of the University of Oregon will be organized as a single session of approximately eight weeks between June 20 and August 12, 1955.

### 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.

**Secondary-School Teaching.** The state of Oregon will grant a one-year provisional certificate for secondary-school teaching to a person who holds a bachelor's degree and who has completed a minimum of 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.

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

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

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

(a) A total of 36 term hours in graduate courses in 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 specified 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.

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

*Elementary Education.* The University first began offering undergraduate elementary teacher preparation in the fall of 1954. A number of representative undergraduate courses in child growth and development and methods in elementary schools will be offered in the 1955 summer session. Persons who have emergency elementary certificates and wish to secure regular certificates and a bachelor's degree may satisfy requirements through summer study. Persons with emergency certificates and a bachelor's degree are eligible for work toward a master's degree. Practice teaching in the elementary schools will not be offered in the summer of 1955.

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

*Administrative Credentials.* Every 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 in the University summer sessions.

*Federal Veterans Aid for Teachers.* Federal veterans educational aid regulations provided 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

1954 summer session of at least five weeks' duration, and (2) has been regularly employed as a teacher during the school year 1954-55.

A teacher who is eligible for veterans educational aid under this regulation may receive aid for work toward a graduate degree in the 1955 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 1955 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 1954-55, that he was so employed; the statement must show the beginning and ending dates of the 1954-55 session.

### Graduate Work

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

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

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

**Residence Requirement.** Three terms of residence are required for the master's degree. A maximum of 15 term hours (one term) earned in other divisions of the Oregon State System of Higher Education is accepted toward the satisfaction of this requirement for the 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 will be taken during the first term of residence, or before 15 term hours have been earned.

**Admission to Candidacy.** A graduate student is admitted to candidacy for

an advanced degree only after he has passed his qualifying 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.

#### Opportunities for Undergraduates

A large selection of lower-division courses will be offered in the 1955 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 admission requirements. As early as possible before the opening of the summer session, such students should file with the University Director of Admissions complete official transcripts covering all school work taken above the eighth grade. Specific requirements are listed in the general University Catalog.

**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 20; classes will begin Tuesday morning, June 21. 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 17, or on Saturday morning, June 18. 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 20.

#### 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 fee 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
Full-time undergraduate and graduate students pay the late-registration fee if they register after 3:00 p.m. on June 23.	
Change-of-program fee .....	\$1.00
Assessed for changes made after June 29.	
Graduate qualifying examination fee .....	\$1.00 to \$15.00
Staff fee, per term hour .....	\$3.00
On approval by the President's Office, full-time staff members may register for summer courses for this special fee.	
Fees for children receiving instruction in Clinical School .....	\$20.00
Music fees .....	See page 45.

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

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 in University halls of residence during the summer session: 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 reservations 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 (men)	Multiple Occupancy		Board*	Total, Room & Board	
	Multiple Occupancy	Single Occupancy		Multiple	Single
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

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

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

	Multiple Occupancy		Single Occupancy	Total, Room & Board	
	Multiple Occupancy	Single Occupancy	Board*	Multiple	Single
Carson (women)				\$149.50	\$164.50
Eight-week session	\$55.00	\$70.00	\$94.50	77.00	84.50
Four-week session	28.50	36.00	48.50	57.75	63.50
Three-week course	21.25	27.00	36.50	38.50	42.25
Two-week course	14.25	18.00	24.25	22.25	25.25
One-week course	9.00	12.00	13.25	4.50	5.00
Per day	2.00	2.50	2.50†		

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 3:30 p.m., July 18	68.25	75.25	74.75	82.25
	\$136.50	\$150.50	\$149.50	\$164.50

A penalty charge of \$1.00 per day, up to a maximum of \$5.00 is made if the first installment is not paid by June 30, or if the second installment is not paid by July 18.

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

Board and room charges are paid at the University Cashier's Office, Emerald Hall. This office is open Monday through Friday, from 8:00 a.m. to 12:00 noon and from 1:00 to 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 19; the first meal served will be breakfast on Monday. The dormitories will close Saturday noon, August 13; the last meal served will be dinner on Friday.

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

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

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

(1) Freshman students are required to live in the University dormitories; 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.

\* Three meals per day, 6 days per week; Sundays, breakfast and dinner.  
† Rates per meal: breakfast, 50 cents; lunch, 80 cents; dinner, \$1.20.

## General Information

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

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

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

**Murray Warner Collection of Oriental Art.** The Museum of Art, housing the Murray Warner Collection of Oriental Art 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.

Two special conducted tours of the Murray Warner Collection will be arranged during the session; one tour will give attention to Japanese materials, the other to Chinese materials. Advance registration for the tours is required. Students wishing to participate should see Dr. Wallace S. Baldinger, curator of the Museum of Art, during the first week of the session.

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

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

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

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

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

**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.

## Description of Courses

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

### WORKSHOPS AND CONFERENCES

- BA 507. **Seminar: C.P.A. Problems.** 3 hours. August 1-12.  
 Eng 508. **Workshop: Study of Poetry.** 3 hours. June 20-July 1.  
 Ed 508. **Workshop: Family Financial Security Education.** 6 hours. June 20-July 15.  
 Ed 508. **Workshop: Junior High School.** 3 hours. July 5-15.  
 Ed 508. **Workshop: The Student Council.** 3 hours. August 15-26.  
 Ed 508. **Workshop for County School Superintendents.** 2 hours. July 25-30.  
 Ed 552. **Elementary-School Problems.** 3 hours. July 5-15.  
 PE 406. **Special Problems: Coaching School.** 2 hours. June 13-17.  
 Soc 508. **Workshop: Intergroup Relations.** 3 hours. July 18-29.  
**High-School Music Summer Session.** June 26-July 15.

### ANTHROPOLOGY

Professor: CRESSMAN. Visiting Assistant Professor: SMITH.

- Anth 408. **Field Work in Anthropology.** (G) 9 hours.  
 Archaeological field work in Oregon. Prerequisite: consent of instructor. Cressman.  
 Anth 501. **Research.** Hours to be arranged.  
 Anth 503. **Thesis.** Hours to be arranged.  
 Anth 505. **Reading and Conference.** Hours to be arranged.  
 Anth 507. **Seminar: Scope and Method of the Social Sciences.** 3-6 hours.  
 The background and perspectives of each of the social science disciplines—anthropology, economics, political science, psychology, and sociology. Selected aspects of social organization and process considered in detail. Daily, 8:00-10:00. 104 Education. Bisno, Campbell, Dean, Littman, Smith, Tope.  
 Anth 507. **Seminar: Anthropology and Problems in Education.** 4 hours.  
 The contribution of anthropology to fundamental problems in education, such as class value systems, social and cultural orientation of the individual, cultural orientation of education values, structural aspects of leadership in the community, and other related problems. Daily, 11:00. 117 Anth. Smith.

## ARCHITECTURE AND ALLIED ARTS

Professor: LITTLE. Associate Professors: ANDREWS, BALDINGER, FERENS, GADDIS. Assistant Professors: BALLINGER, BURGNER, RUFF, RYAN. Instructor: HATCH.  
 Visiting Faculty: FOSTER, KOLMEYER.

### Architecture

- AA 487. **Architectural Design.** 4 hours minimum credit.  
 No-grade course. Second year of planning and design sequence. Students work in the drafting room under individual observation of staff members. Field trips, seminars. Prerequisite: 12 term hours in AA 387 or equivalent. Daily, 9:00-5:00. Criticism by appointment.  
 AA 489. **Landscape Design.** 4 hours minimum credit.  
 No-grade course. A series of advanced problems in landscape architecture, with emphasis on broad planning problems and integration with architecture. Field trips and seminars. Prerequisite: 12 term hours in AA 389. Daily, 9:00-5:00. Criticism by appointment.  
 AA 501. **Special Studies.** Hours to be arranged.  
 AA 587. **Architectural Design.** 4 hours minimum credit.  
 No-grade course. Third year of planning and design sequence. The student assumes greater individual responsibility in the execution of design and planning studies. Field trips, seminars. Prerequisite: 18 term hours in AA 487 or equivalent. Daily, 9:00-5:00. Criticism by appointment.

### Applied Design

(One term hour of credit is granted for three studio hours of work.)

- AA 256. **Weaving.** 1-3 hours.  
 Introduction to basic weaving techniques. The dressing, care, and manipulation of several types of looms. Experimentation with a wide variety of fibres. Production of textiles of original design, on 4- and 12-harness looms. Section A, MTuWTh, 9:00-12:00. Section B, MTuWTh, 1:00-4:00. The student may enroll for either a four- or an eight-week period.  
 AA 257. **Metalwork.** 1-3 hours.  
 The handworking of nonferrous metals—copper, brass, pewter, silver, gold. Development of design for metal objects. Enameling on metal; centrifuge casting; lapidary work. Section A, MTuWTh, 9:00-12:00. Section B, MTuWTh, 1:00-4:00. The student may enroll for either a four- or an eight-week period.  
 AA 456. **Advanced Weaving.** (G) 1-3 hours.  
 Emphasis on creative work. Production of a wide variety of handwoven fabrics. Historical studies, fabric analysis, spinning, dyeing. 30 hours required for major. Section A, MTuWTh, 9:00-12:00. Section B, MTuWTh, 1:00-4:00. The student may enroll for either a four- or an eight-week period.  
 AA 457. **Advanced Metalwork.** (G) 1-3 hours.  
 Emphasis on creative work. Advanced problems in forging, sand and centrifuge casting, enameling, etching, lapidary work, brazing, welding, repousse, and tool making. Section A, MTuWTh, 9:00-12:00. Section B, MTuWTh, 1:00-4:00. The student may enroll for either a four- or an eight-week period.  
 AA 458. **Silk Screen Printing.** (G) 1-3 hours.  
 Advanced problems in design and color, applied to the silk-screen technique. Special attention to needs of teachers. Section A, MTuWTh, 10:00-12:00. Section B, MTuWTh, 1:00-3:00. The student may enroll for either a four- or an eight-week period.

**Painting and Drawing**

(One term hour of credit is granted for three studio hours of work.)

- AA 290. **Painting.** 1-3 hours.  
Instruction in the use of oil color, water color and other media. 12 term hours required for upper-division standing. MTuWTh, 9:00-12:00 or 1:00-3:00.
- AA 291. **Drawing.** 1-3 hours.  
Training in observation and selection of significant elements. 6 term hours required for upper-division standing. MTuWTh, 9:00-12:00 or 1:00-3:00.
- AA 381. **Water Color.** 1-3 hours.  
The technique and use of watercolor, with particular attention to landscape material. MTuWTh, 9:00-11:00 or 1:00-3:00.
- AA 481. **Advanced Water Color.** 1-3 hours.  
Advanced work in water color, with particular attention to landscape material. MTuWTh, 9:00-11:00 or 1:00-3:00.
- AA 490. **Advanced Painting.** (G) 1-3 hours.  
Advanced problems in portrait, figure, landscape, and still life, in all media. Prerequisite: 12 term hours in AA 290. MTuWTh, 9:00-12:00 or 1:00-3:00. The student may enroll for either a four- or an eight-week period.
- AA 491. **Advanced Drawing.** (G) 1-3 hours.  
Advanced work in drawing. Study of form from the figure. Prerequisite: 6 term hours in AA 291. MTuWTh, 9:00-12:00 or 1:00-3:00. The student may enroll for either a four- or an eight-week period.
- AA 501. **Special Studies.** Hours to be arranged.

**Art Education**

- ArE 312. **Creative Arts and Crafts for Elementary Teachers.** 2-4 hours.  
Art activities for the classroom teacher. Use of basic tools and materials. Planning the art program to meet the needs of the child. Art in the school curriculum. Material and supply resources. Art experiences in relation to child growth and development. Laboratory work, with lecture sessions. Two sessions of four weeks each. 2 hours of credit for each workshop session. Students may also enroll for the eight-week session for 4 term hours of credit. MTuWTh, 8:00-10:00.
- ArE 401. **Special Studies: Kindergarten and Primary Art Education.** 2 hours.  
First four weeks, June 20-July 15. A creative approach to the art experiences of the preschool child. Workshop activities with simple tools and materials, with specific emphasis on the physical, mental, and emotional growth of the child. MTuWTh, 10:00-12:00.
- ArE 401. **Special Studies: Children's Art Laboratory.** 2 hours.  
Second four weeks, July 15-August 12. A children's laboratory art class will serve as a resource unit for graduate students doing research in the field. Practice teachers and advanced students may enroll. MTuWTh, 10:00-12:00.
- ArE 405. **Reading and Conference.** Hours to be arranged.
- ArE 416. **Art Education in the High School.** (G) 2-4 hours.  
Study of art education in the secondary school, through laboratory work and individual research. Practice-teaching problems examined and studied as a group experience. Evaluation of current thinking in the field; application to the classroom situation. Two four-week sessions. 2 term hours of credit each session. Students may also enroll for the eight-week session for 4 hours of credit. MTuWTh, 8:00-10:00.
- ArE 501. **Special Studies: Arts and Crafts in Special Education.** 2 hours.  
First four weeks, June 20-July 15. Basic techniques, tools, and materials, and their applications in the instruction of handicapped children. Major considera-

tion will be given to the instructional program for the mentally handicapped. MTuWTh, 8:00-10:00.

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

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

Second four weeks, July 15-August 12. Students will discuss and evaluate current thinking, problems, and philosophy of art education. MTuWTh, 10:00.

**Art History**

- AA 507. **Seminar: Teaching History of Art in Secondary Schools.** 2-4 hours.  
First or second four weeks; or eight-week session. Introductory study of the history of painting, sculpture, and architecture, from the Old Stone Age to the present. Illustrated classroom lectures provide content for an exploratory course taught by art teachers in secondary schools. Classroom lectures supplemented by research assignments and group discussions on questions of teaching methods, study aids, and correlated programs. Prerequisite: at least one undergraduate course in education. MTuWTh, 11:00.

**Weaving Workshop**

August 15-26

Klamath Falls, Oregon

This workshop is sponsored jointly by the General Extension Division of the Oregon State System of Higher Education and the Klamath Art Association. University of Oregon credit will be granted. David P. Hatch, instructor in art, University of Oregon, will be the instructor. Introduction to basic weaving techniques will be emphasized and opportunity for experimentation with a wide variety of fibres will be provided. The work will include production of textiles of original design on 4- and 12-harness looms. Students in advanced weaving will do creative work, producing a wide variety of handwoven fabrics. Attention will also be given to historical studies, fabric analysis, spinning, and dyeing.

Students may register for 3 hours credit in either Lower-Division Weaving (AA 256) or Advanced Weaving (AA 456).

For further information write the General Extension Division, Eugene, or the School of Architecture and Allied Arts, University of Oregon.

**BIOLOGY**

Associate Professor: SCHEER.

- Bi 401, 501. **Research.** Hours to be arranged.
- Bi 403, 503. **Thesis.** Hours to be arranged.
- Bi 405, 505. **Reading and Conference.** Hours to be arranged.
- Bi 452. **History of Biology.** (g) 3 hours.  
Lectures and demonstrations concerning the biological discoveries which have most influenced human life and thought, from a historical point of view. MTuWTh, 11:00. 314 Science. Scheer.

**BUSINESS ADMINISTRATION**

Professor: MORRIS. Associate Professors: C. E. JOHNSON, ROBERT, SMITH, SOHA, ZIEBARTH.  
Assistant Professors: FORD, L. JOHNSON, JONES.

- 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, 11:00. 266 Commonwealth. Smith.

**SS 111. Stenography.** 4 hours.

Gregg shorthand. Students should also enroll in Typing (SS 121), unless they have had equivalent training. Daily, 9:00. 366 Commonwealth. Jones.

**SS 121, 122. Typing.** 2 hours each term.

Touch typing; rhythm drills, dictation exercises; arrangements of business letters. Students with one year of high-school typing may not take SS 121 for credit. 5 hours laboratory; 1 hour to be arranged. Daily, 8:00. 270 Commonwealth. Jones.

**BA 222. Elements of Finance.** 4 hours.

The financial problems of corporations. Organization of corporations; how they obtain long-term funds; management of working capital; distribution of securities. Required of all majors. Prerequisite: BA 111, 112, 113. Daily 10:00. 366 Commonwealth. Soha.

**SS 324, 325. Office Practice Techniques.** 2 hours each term.

Includes study of the various duplicating and voice writing machines. Study of different types of adding and calculating machines. Designed for secretarial, business-education, accounting, and other business students. MWF, 1:00 and TuTh, 1:00-3:00. 266 Commonwealth. Jones.

**BA 379. Federal Income Tax.** 4 hours.

Nonprofessional and relatively nontechnical study of the principles involved in determining taxable net income and computing Federal income taxes for individuals, partnerships, and corporations. Emphasis on the reasons behind the various provisions of the Internal Revenue Code, and on the effects of the various provisions of the income-tax laws. Designed for nonmajors and business administration majors who are not specializing in accounting. Prerequisite: BA 111, 112, 113. Daily, 2:00. 366 Commonwealth. Soha.

**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. Hours to be arranged. Morris, staff.

**BA 411. Business Public Relations.** 4 hours.

Public relations of business firms; tools and techniques for determining public reactions; methods of securing good public relations. Open to nonmajors with consent of instructor. Daily, 9:00. 370 Commonwealth. Ford.

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

Place and significance of personnel management in modern business organization; personnel policies and practices conducive to good relations with business employees. Personnel problems of small organizations. Prerequisite: BA 222, 223. Daily, 8:00. 370 Commonwealth. Ford.

**BA 417. 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, 8:00. 336 Commonwealth. Robert.

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

First four weeks, June 20-July 15. Aims and objectives of business education; history, trends, issues, curriculum construction at high-school and junior-college levels; instructional problems; research in business education. Prerequisite: senior standing and consent of instructor. Daily, 8:00-10:00. 266 Commonwealth. Smith.

**BA 422. Problems in Business Education.** (G) 4 hours.

Second four weeks, July 18-August 12. Examination of current literature and text materials. Work-experience programs; standards of achievement; guid-

ance programs; placement and follow-up; in-service training for teachers; business entrance tests; evaluation of current methods; auditory and visual aids. Prerequisite: consent of instructor. Daily, 8:00-10:00. 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. 336 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; planning of plant investment; working-capital investment and labor costs; planning production operations. Prerequisite: BA 111, 112, 113; BA 222, 223. Daily, 10:00. 173 Commonwealth. Ziebarth.

**BA 454. Casualty Insurance.** (G) 4 hours.

Organization of companies, risks covered, and contracts, in accident insurance of all types. Automobile, plate glass, elevator, public liability, steam boiler, burglary, robbery, forgery, etc. Daily, 9:00. 336 Commonwealth. Robert.

**BA 489. Advanced Accounting Problems.** (G) 4 hours.

Application of the technical phases of accountancy. Professional training in practical accounting problems. Prerequisite: BA 483, 484, 485. Required of accounting majors. Daily, 11:00. 366 Commonwealth. Soha.

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

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

**BA 503. Graduate Thesis.** Hours to be arranged.**BA 505. Reading and Conference.** Hours to be arranged.**BA 507. Seminar: C.P.A. Problems.** 3 hours.

August 1-12. Intensive review of advanced accounting theory and problems in preparation for C.P.A. examinations. Prerequisite: good background of accounting training, including courses in cost accounting, auditing, intermediate accounting theory and practice, and income taxation. Class limited to 30 students; admission by advance application only. Twenty class sessions, twenty laboratory periods. 341 Commonwealth. C. Johnson.

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

First four weeks, June 20-July 15. Aspects of money and banking, insurance, real estate, investments, estates, and family financing related to family financial security. Designed for classroom teachers. Admission by prior application. Daily, 9:00-12:00. 341 Commonwealth. Millhollen, staff.

**CHEMISTRY**

Professors: KUNZ, VAN RYSSELBERGHE. Associate Professors: REITHEL, SWINEHART. Assistant Professors: GORIN, GRAVEN, KLEMM.

**Ch 320. Elementary Quantitative Analysis.** 4 or 5 hours.

Lectures on the fundamentals of quantitative analysis. Laboratory work devoted mainly to volumetric analysis. Lectures, MTuW, 9:00. 16 Science. Laboratory, 30 to 60 clock hours to be arranged. 103 Science. Kunz.

**Ch 429. Survey of Analytical Chemistry.** (g) 3 or 4 hours.

Lectures on special analytical methods and their underlying theory. Laboratory work dealing with use of special equipment. Lectures, MTu, 10:00. 16 Science. Laboratory, 45 to 75 clock hours to be arranged. 103 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.

**ECONOMICS**

Assistant Professors: CAMPBELL, SORENSON, WATTLES.

- Ec 407. **Seminar: International Economic Issues and Problems.** (g) 4 hours.  
An introduction to some of the current international issues of an economic nature; background of the problems and suggested solutions. Designed principally for teachers and laymen with an interest in economic and social problems. Daily, 1:00. 134 Commonwealth. Wattles.
- Ec 417. **Contemporary Economic Problems.** (g) 4 hours.  
Study of significant economic problems facing United States today; analysis and evaluation of proposed solutions. Daily, 8:00. 134 Commonwealth. Wattles.
- Ec 450, 451. **Comparative Economic Systems.** (g) 4 hours.  
Comparative study of capitalism and alternative systems, with emphasis upon background, similarities, and differences. Daily, 11:00. 134 Commonwealth. Campbell.
- Ec 488. **American Economic History.** (G) 4 hours.  
The economic development of the United States, 1850-1900. Daily, 9:00. 233 Commonwealth. Sorenson.
- Ec 501. **Research.** Hours to be arranged.  
Campbell.
- Ec 503. **Thesis.** Hours to be arranged.  
Wattles.
- Ec 505. **Reading and Conference.** Hours to be arranged.  
Campbell, Wattles.

**EDUCATION**

Professors: BERREMAN, BREEN, BURTON, CASTELL, CLARKE, HINTZ, JACOBSON, KAMBYL, KILLGALLON, PALLETT, TOPE. Associate Professors: HEARN, LITTMAN, ROMNEY, ZIEBARTH. Assistant Professors: BISNO, CAMPBELL, DEAN, HUNTER, MILLHOLLEN, PIERCE-JONES, RUMMEL, SORENSON, SUNDBERG, TAYLOR, WILLARD.  
Instructors: MARQUIS, WALLACE. Visiting Faculty: AULD, BARCOCK, BEAR, BEARDSLEY, GUBSER, GUNN, HICKS, HINES, HOGG, IRISH, JARDINE, LOGSDON, MARSH, NIEMELA, SCHAAP, SMITH, WILLIAMS, WILSON, WOOD.

**Post Session.** There will be a two-week post session for graduate students in education from August 15 to 26. Three term hours of credit may be earned in Reading and Conference (Ed 505). The fee for this session is \$7.00 per term hour. Instruction will be offered by Professor Hearn and others.

**General Education**

- PS 201. **American Governments.** 3 hours.  
Provisions and principles of the United States Constitution; how they were formulated and how they have developed in American government and politics. Meets California state requirements. MTuWTh, 8:00. 332 Commonwealth. Schumacher.
- Ed 311. **The School in American Life.** 3 hours.  
Education as a career; function of education in a democracy; curriculum and organization of schools; current educational trends and contemporary problems; financing public education; the characteristics, needs, and interests of pupils by age groupings; general principles of growth and learning, and relation to current practices. MTuWTh, 10:00. 125 Education. Schaaf.

- Ed 312. **Psychological Foundations of Teaching I.** 4 hours.

Designed to provide psychological knowledge especially relevant to the professional activities of teachers in the elementary and secondary schools. Various aspects of the development and adjustment of the school child, with attention to the role of the teacher and the school program in the development of the pupil. Laboratory training in observation of the school child and in the interpretation of growth, health, psychological-test, and other data commonly available to the teacher. Prerequisite: Psy 201 or Psy 204. Daily, 9:00. 127 Education. Taylor.

- Ed 313. **Psychological Foundations of Teaching II.** 4 hours.

Theoretical and practical study of learning and of factors affecting learning by children and youth in school. Theories of learning, motivation, guidance; learning activity, transfer, evaluation of achievement; principles of learning applicable to learners of varying levels of maturity. Laboratory training in observation and analysis of the teaching-learning situation from a psychological viewpoint. Prerequisite: Psy 201 or Psy 204. Daily, 9:00. 130 Education. Pierce-Jones.

- 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. MWF, 3:00. 128 Education. Wallace.

- MuE 317. **Music Education.** 3 hours.

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

- MuE 351. **Voice Class.** 2 hours.

Study of voice problems in the public schools. MWF, 2:00. 202 Music. Anderson.

- MuE 407. **Seminar: Arranging for Band.** (G) 3 hours.

Arranging full scores for school and college bands. MTuThF, 10:00. 104 Music. Vagner.

- MuE 407. **Seminar: Choral Arranging and Composition.** (G) 3 hours.

Arranging and composition for various types of choral groups. MTuThF, 2:00. 104 Music. Dieterich.

- MuE 407. **Seminar: Choral Workshop.** (G) 3 hours.

Conducting and rehearsal techniques. Class members may bring selections of their choice for reading and study. MTuThF, 11:00. 202 Music. Risinger.

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

Problems of conducting and interpretation. MTuThF, 1:00. 104 Music. Vagner.

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

Demonstration and discussion of the playing of brass instruments and their literature. MWF, 9:00. 201 Music. Lee.

- MuE 407. **Seminar: Problems of Woodwind Instruments.** (G) 2 hours.

Problems of teaching flute, oboe, clarinet, bassoon, saxophone; reed making. MWF, 8:00. 201 Music. Cunningham.

- MuE 407. **Seminar: Special Methods for Strings.** (G) 2 hours.

Methods, materials, and organization of class instruction in stringed instruments in the public schools. MWF, 11:00. 201 Music. Cykler.

- Ed 508. **Special Teaching Methods in Music.** 1-3 hours.

Conferences and reports on materials and procedures used in choral and instrumental groups. Prerequisite: consent of instructor.

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

Instruction in speech and speech forms designed for classroom use. Required for English majors who intend to teach, but open to all prospective teachers. MTuWTh, 8:00. 205 Villard. Dahlberg.

**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, 2:00. 130 Education. Pierce-Jones.

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

An introductory course in statistics. Integrated with Educational Statistics (Ed 515). Computing machines are available for student use. Prerequisite: consent of the department. MTuWF, 9:00. 104 Deady. Civin.

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

Second four weeks, July 18-August 13. The development and use of audio-visual aids in education. Emphasis on actual learning situations in which radio, recordings, films, slides, pictures, maps, charts, etc., are utilized. Sources of materials and equipment; administration of audio-visual programs. Daily, 1:00-3:00. 127 Education. Hunter.

**Ed 440. History of Education.** (G) 4 hours.

A general review of the growth and development of education in relation to the civilization of the times; emphasis on development of educational philosophies. Daily, 1:00. 237 Commonwealth. Breen.

**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. Not open to students who have completed Ed 460. Daily, 11:00. 301 Condon. Littman.

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

Study of the behavior changes during pre-adolescence and adolescence, as related to physiological development and social and cultural factors. Emphasis on personal and social adjustment. Intended to follow Psy 460. Not open to students who have completed Ed 461. Daily, 8:00. 301 Condon. Luchins.

**Ed 501. Research.** 1-3 hours.**Ed 501. Research: Field Study.** 3 hours.**Ed 503. Thesis.** Hours to be arranged.**Ed 505. Reading and Conference.** 1-4 hours.

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

**Anth 507. Seminar: Anthropology and Problems in Education.** 4 hours.

The contribution of anthropology to fundamental problems in education, such as class value systems, social and cultural orientation of the individual, cultural orientation of educational values, structural aspects of leadership in the community and other related problems. Daily, 11:00. 117 Anthropology. Smith.

**Soc 507. Seminar: The Behavioral Sciences.** (G) 4 hours.

A critical analysis and evaluation of the fifty-year development of American social sciences. Special attention will be paid to the enduring aspects of theory and methodology that provide the foundations for the modern behavioral sciences. TuTh, 2:00-4:00. 234 Commonwealth. Sorokin.

**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. 202 Chapman. Castell.

**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. 306 Allen. Duncan.

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

The teacher's role in guiding student publications in secondary schools and junior colleges. Not open to journalism majors. Daily, 9:00. 306 Allen. Duncan.

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

First four weeks, June 20-July 15. Aspects of money and banking, insurance, real estate, investments, estates, and family financing, related to family financial security. Designed for classroom teachers. Admission by prior application. Daily, 9:00-12:00. 341 Commonwealth. Millhollen, staff.

**Soc 508. Workshop: Intergroup Relations.** 3 hours.

July 18-29. Designed for teachers and community leaders whose activities involve intergroup relations, either through classroom instruction or in informal community programs. Racial, religious, national, and other groups will be considered. The facts concerning the nature and significance of ethnic and cultural differences; the multi-group nature of American society; the nature and significance of prejudice and differential treatment based on ethnic and cultural differences. Daily, 9:00-11:00, 2:00-4:00. 341 Commonwealth. Berreman.

**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, 1:00. 128 Education. Rummel.

**Ed 516. Educational Statistics.** 4 hours.

Technique in quantitative and experimental methods. Calculus not required. Prerequisite: consent of instructor, graduate standing. Daily, 3:00. 122 Physical Education. Clarke.

**Ed 523. School Activities.** 4 hours.

Principles and purposes of school activities; pupil participation in school government; assemblies; clubs, social activities; athletics, speech activities, drama, music, publications; evaluation of the school activity program. Daily, 8:00. 127 Education. Logsdon.

**Ed 525. Pupil Personnel Programs.** 4 hours.

The need for guidance and counseling; organization and administration of guidance services; tests, inventories, questionnaires, records; guidance in the curriculum; counseling the individual; the role of the home and the community in guidance; evaluation of guidance services. Daily, 9:00. 242 Commonwealth. Hearn.

**Ed 526. Counseling Procedures.** 3 hours.

June 20-July 30. Counseling problems of various types. Methods of interviewing for different purposes. Sources of vocational information. Diagnosis of individual cases. Evaluation of counseling programs. Prerequisite: clinical methods. Daily, 9:00. 301 Condon. Sundberg.

**Ed 543. History of American Education.** 3 hours.

The intellectual development of the United States, with special reference to education. Prerequisite: knowledge of American history. MTuWTh, 2:00. 212 Commonwealth. 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.
- HE 552. **Administration of School Health Education.** 3 hours.  
Organization and administration of the school health program. MTuWTh, 3:00. 114 Physical Education. Haar.
- Ed 565. **Curriculum Foundations.** 4 hours.  
Second four weeks, July 18-August 13. Implications of the basic social, philosophical, and psychological factors in curriculum planning and organization; historical background; techniques of curriculum planning. Daily, 8:00-10:00. 128 Education. Millhollen.
- Ed 566. **Curriculum Construction.** 3 or 4 hours.  
First four weeks, June 20-July 15. 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. 128 Education. Babcock.
- Ed 574. **School Supervision.** 4 hours.  
Purpose and plans for supervision; use of tests, diagnosis of pupil difficulty, etc., as applied to both elementary and secondary schools. Prerequisite: Ed 311, 313 or teaching experience. Daily, 10:00. 130 Education. Burton.

#### Elementary Education

- Mth 7. **Mathematics for Elementary Teachers.** 3 hours.  
Elements of arithmetic, algebra, and geometry. A required course in the elementary teacher training program. Daily, 9:00. 106 Deady. Yood.
- PE 283. **Rhythmic Programs for the Elementary School Child.** 3 hours.  
First four weeks. Rhythmic fundamentals, skills, and dances for children of grades 1 through 6. Special emphasis on teaching methods. TuWThF, 10:00-12:00. Men's Gym. Wentworth.
- Ed 331. **The Child and his Curriculum: Language Arts.** 5 hours.  
Language development from kindergarten through the elementary school. Emphasis on language as a means of communication and as a tool for thinking. Reading, reading readiness, the psychology of the reading process, reading skills in relation to other parts of the curriculum, diagnostic and remedial measures. Materials and teaching procedures in oral and written communication, spelling, and handwriting. Prerequisite: Ed 312, Ed 313. Daily, 8:00; M, 3:00-5:00. 136 Education. Gunn.
- Ed 332. **The Child and his Curriculum: Arithmetic.** 3 hours.  
Arithmetic in the elementary school program. Types of instruction, placement, and organization of content. Prerequisite: Ed 312, Ed 313. TuWThF, 1:00. 136 Education. Hicks.
- Ed 333. **The Child and his Curriculum: Social Studies, Science.** 3 hours.  
Social studies and science in the elementary-school curriculum. Ways of developing basic concepts in human relationships and community living. Emphasis on the effective use of instructional media and on related problems of method, such as effective reading in science and social studies, provision for individual differences, cultivation of critical thinking, provision for growth and retention, and methods of evaluating results of instruction. Prerequisite: Ed 312, Ed 313. MTuWTh, 11:00. 136 Education. Irish.
- MuE 372. **Music Methods for Elementary Teachers.** 3 hours.  
Experiences in teaching the various music activities in the elementary schools. Required of majors in elementary education. MTuThF, 9:00. 104 Music. Nye.

- PE 411, 412, 413. **Workshop: Elementary-School Physical Education.** (g) 9 hours total credit.  
Open to men and women students. For elementary-school teachers who have physical-education responsibilities. Instruction includes all important aspects of elementary-school physical education, such as aims, principles, methods, materials, and evaluation. Activities considered include rhythms, stunts, games, relays, and self-testing activities. All materials developed in terms of the objectives and standards of the Oregon physical-education program. Each teacher will have the opportunity to develop a program for his or her school. Prerequisite: Certification as a teacher or consent of instructor. TuWThF, 8:00-12:00. Poley, Sprague, Wentworth. For further information, see pages 37-38.
- 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 procedures for the school health examination, organization and presentation of teaching materials based on the health needs of the child, community needs and school health services. MTuWTh, 1:00. 101 Physical Education. Moorhead.
- PE 460. **Physical Education in the Elementary School.** (g) 3 hours.  
Analysis and interpretive study of the objectives, standards, and purposes of the elementary-school physical-education program. TuWThF, 8:00. 101 Physical Education. Poley, Sprague.
- Ed 507. **Seminar: Primary Education.** 4 hours.  
The purpose of this seminar is to focus study, thinking, and discussion on problems and interests of primary-grade teachers; also appropriate for principals who seek a better acquaintance with primary education. Daily, 2:00. 136 Education. Taylor.
- Ed 507. **Seminar: Children's Literature.** 3 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. MTuWTh, 8:00. 130 Education. Irish.
- MuE 533. **Music in the Elementary School.** 3 hours.  
Philosophy, supervision, curriculum, materials, and procedures of music teaching in the elementary school. Designed for classroom teachers, music majors, and administrators. Research in problems involving music and related areas of instruction. MTuThF, 8:00. 104 Music. Nye.
- 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. 125 Education. 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 10:00. 136 Education. Willard.
- Ed 536. **Language Arts in the Elementary School.** 3 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. TuWThF, 11:00. 125 Education. Gunn.
- 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. 130 Education. Willard.

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

Number abilities needed by children; research findings on mathematics education; designing number experiences; theories of teaching desirable teaching procedures; selection and use of materials; MTuWTh, 9:00. 126 Education. Irish.

**Ed 552. Elementary-School Problems.** 3 hours.

July 5-15. Selected current problems; issues and theories of elementary education; characteristics of modern teaching; major trends in elementary education. Daily, 9:00-11:00, 1:00-4:00. 243 Commonwealth. Beardsley.

**Ed 553. Elementary-School Curriculum.** 3 hours.

A systematic study of the elementary-school curriculum, including pupil needs in everyday life situations, objectives, essentials of a good program; varying curriculum designs, organization of learning experiences, evaluation of learning and appraisal of newer curriculum practices. TuWThF, 10:00. 128 Education. Hicks.

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

The role, duties, needs, and problems of modern supervision, including evaluation and improvement of the teaching-learning situation. TuWThF, 11:00. 126 Education. Hicks.

### Secondary Education

**Ed 314. 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 311, Ed 313. MTuWTh, 11:00. 128 Education. Kambly.

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

Study of organization, curriculum and performance in the high-school choral music program. MTuThF, 10:00. 203 Music. Risinger.

**Ed 507. Seminar: Social Studies in the Junior and Senior High School.** 4 hours.

First four weeks, June 20-July 15. Designed for experienced classroom teachers. Attention will be given to the social-studies curriculum, citizenship education, the teaching of current affairs, handling of controversial issues, use of audio-visual aids, evaluation techniques, classroom techniques, and materials. Opportunity will be provided for students to prepare materials for use in their classes. Daily, 10:00-12:00. 234 Commonwealth. Williams.

**Ed 507. Seminar: Mathematics in Junior and Senior High School.** 4 hours.

For experienced teachers; techniques of instruction in general mathematics, algebra, geometry, and advanced courses. Daily, 9:00. 234 Commonwealth. Schaaf.

**Ed 508. Workshop: Junior High School.** 3 hours.

July 5-15. Origin, underlying philosophy, and functions of the junior high school. Administrative procedures; guidance and counseling, school activities; areas of instruction; evaluation of the junior-high-school program. Daily, 9:00-12:00, 1:30-4:00. Student Union. Hearn, Marsh, Wilson.

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

August 15-26. Aims and objectives of the student council; organization, group processes, council problems and projects; evaluation of the council's program. Designed especially for student council advisers. Open to others upon consent of instructors. Daily, 9:00-12:00, 1:30-4:00. Student Union. Hearn, Bear, Wood, Auld.

**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. Daily, 10:00. 242 Commonwealth. Hearn.

**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, 11:00. 127 Education. Logsdon.

### Special Education

Any student who, in order to complete requirements for a state certificate in special education, must have a specific course that is not included in the regular summer-session offerings should write Dr. Killgallon or see him early during the registration period. Special arrangements for such work may be possible.

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

Supervised practice in diagnosing and teaching retarded readers. Case material may be provided for experience with emotionally, mentally, or visually handicapped children. Students needing such experience should write the director of the clinic well in advance of registration. Daily, 10:00-12:00. 135 Education. Killgallon, Hogg.

**Ed 460. Administration of Special Education.** (G) 4 hours.

Organizing, financing, housing, equipping, staffing, and supervising the special-education program. Desirable educational provisions for each type of handicapped child. Daily, 9:00. 136 Education. Gubser, 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, 1:00. 125 Education. Niemela.

**Ed 464. The Mentally Handicapped Child.** (G) 2-4 hours.

Identification and guidance of the mental deficient, the slow learner, and the gifted. First four weeks: The Mentally Retarded. 2 hours. Second four weeks: The Gifted. 2 hours. Prerequisite: consent of instructor. Daily, 2:00. 128 Education. Niemela.

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

A clinical course. Diagnostic, remedial, and corrective techniques in basic school subjects. Daily, 8:00. 126 Education. Hogg.

**Ed 507. Seminar: Psycho-Educational Clinic Supervision and Administration.** 4-6 hours.

Seminar and laboratory practice in psycho-educational clinic supervision and administration. Daily, 10:00-12:00; one hour to be arranged. 135 Education. Killgallon.

**Ed 508. Workshop: Arts and Crafts in Special Education.** 2 hours.

June 20-July 15. Basic techniques, tools, and materials, and their application in the instruction of handicapped children. Major consideration will be given to the instructional program for the mentally handicapped. MTuWTh, 8:00-10:00. 221 Architecture. Ballinger.

### Educational Administration

**Ed 507. Seminar: Higher Education.** 4 hours.

Problems relating to higher education: finance, organization, administration, student personnel, staff, and general trends. Daily, 9:00. 241 Commonwealth. Pallett.

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

For advanced graduate students who are at or past the master's level. Draws from the literature in related fields of business administration, economics, social psychology, sociology, and political science. Particular emphasis on the fundamental research underlying human behavior as a basis for the theory and practice of administrative behavior. MTuWTh, 1:00-3:00. 104 Education. Jacobson, staff.

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

The background and perspectives of each of the social-science disciplines—anthropology, economics, political science, psychology, and sociology. Selected aspects of social organization and process considered in detail. Daily, 8:00-10:00. 104 Education. Bisno, Campbell, Dean, Littman, Smith, Tope.

**Ed 508. Workshop for County School Superintendents.** 2 hours.

July 25-30. Administrative services, auxiliary services, and curricular services of the county school superintendent's office. Planning and evaluation of the work of the county superintendent. Student Union. Tope.

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

Relations of the principal to the school board, school finance, school records and accounts, school building programs, pupil accounting, the teaching staff. Prerequisite: Ed 311, Ed 313 or teaching experience. Daily, 2:00. 126 Education. Romney.

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

First four weeks, June 20-July 15. Ed 572, 573, 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 313, or teaching experience. Daily, 10:00-12:00. 370 Commonwealth. Jardine.

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

The problems of school finance and business management; sources of school income; relationship to the state financial structure; budgeting and accounting. Construction of a school budget. Daily, 1:00. 126 Education. Romney.

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

First four weeks, June 20-July 15. Study of problems in planning, construction, maintaining, and operating school buildings. The basic course in school buildings, intended for persons who have not had much experience in building problems. Daily, 8:00-10:00. 173 Commonwealth. Hines.

**Other Courses for Teachers**

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

**Art**

AA 256. **Weaving.** 1-3 hours.

AA 257. **Metalwork.** 1-3 hours.

AA 290. **Painting.** 1-3 hours.

AA 291. **Drawing.** 1-3 hours.

AA 381. **Water Color.** 1-3 hours.

ArE 312. **Creative Arts and Crafts for the Elementary Teacher.** 2-4 hours.

ArE 401. **Special Studies: Kindergarten and Primary Art Education.** 2 hours.

ArE 401. **Special Studies: Children's Art Laboratory.** 2 hours.

ArE 416. **Art Education in the High School.** (G) 2-4 hours.

AA 456. **Advanced Weaving.** (G) 1-3 hours.

AA 457. **Advanced Metalwork.** (G) 1-3 hours.

AA 458. **Silk Screen Printing.** (G) 1-3 hours.

AA 481. **Advanced Water Color.** 1-3 hours.

AA 490. **Advanced Painting.** (G) 1-3 hours.

AA 491. **Advanced Drawing.** (G) 1-3 hours.

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

ArE 507. **Seminar: Teaching History of Art in Secondary Schools.** 2-4 hours.

**Biology**

Bi 431. **History of Biology.** (g) 3 hours.

**Business Administration**

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

SS 111. **Stenography.** 4 hours.

SS 121, 122. **Typing.** 2 hours each.

SS 323, 324. **Office Practice Techniques.** 2 hours each.

BA 379. **Federal Income Tax.** 4 hours.

BA 411. **Business Public Relations.** 4 hours.

BA 417. **Business Law.** (G) 4 hours.

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

BA 422. **Problems in Business Education.** (G) 4 hours.

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

BA 454. **Casualty Insurance.** (G) 4 hours.

**Chemistry**

Ch 320. **Elementary Quantitative Analysis.** 4 or 5 hours.

Ch 429. **Survey of Analytical Chemistry.** (g) 3-4 hours.

**Economics**

Ec 407. **Seminar: International Economic Issues and Problems.** (g) 4 hours.

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

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

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

**English**

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

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

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

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

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

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

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

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

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

Eng 486. **Major American Writers: Realists.** (G) 3 hours.

- Eng 488. **Trends in Modern Literature.** (G) 3 hours.  
 Eng 507. **Seminar: English Drama.** 3-4 hours.  
 Eng 507. **Seminar: Ninetenth-Century Prose.** 3-4 hours.  
 Eng 508. **Workshop: Study of Poetry.** 3 hours.

#### Foreign Languages

- RL 505. **Reading and Conference.** 3 hours.  
 GL 320. **Scientific German.** 3 hours.

#### Geography

- Geog 105. **Introductory Geography.** 3 hours.  
 Geog 429. **Geography of North America.** (G) 3 hours.

#### Health and Physical Education

- PE 406. **Special Problems: Workshop in Gymnastics and Tumbling.** 2 hours.  
 PE 406. **Special Problems: Rhythms Workshop.** 2 hours.  
 PE 506. **Special Problems: Methods and Materials of Folk Dancing.** 3 hours.  
 PE 533. **Techniques of Relaxation.** 3 hours.  
 HE 463. **Social Hygiene.** (G) 3 hours.  
 HE 464. **Health Instruction.** (G) 3 hours.

#### History

- Hst 201. **History of the United States.** 4 hours.  
 Hst 203. **History of the United States.** 4 hours.  
 Hst 413. **History of Rome.** (G) 4 hours.  
 Hst 418. **Studies in Western Civilization.** (g) 4 hours.  
 Hst 445. **Europe since 1939.** (g) 4 hours.  
 Hst 446. **Modern Germany.** (g) 4 hours.  
 Hst 469. **Twentieth-Century England.** (g) 4 hours.  
 Hst 471. **American Political Parties and Leaders.** (G) 4 hours.  
 Hst 478. **History of the Pacific Northwest.** (G) 4 hours.  
 Hst 479. **Forces and Influences in American History.** (G) 4 hours.  
 Hst 488. **American Economic History.** (G) 4 hours.  
 Hst 490. **Problems of the Pacific.** (g) 4 hours.

#### Library Education

- Lib 381. **Elementary Bibliography and Reference Materials.** 4 hours.  
 Lib 484. **School Library Administration.** (g) 4 hours.  
 Lib 487. **Cataloging and Classification.** (g) 4 hours.  
 Lib 488. **Books and Related Materials for Young People.** (g) 4 hours.

#### Mathematics

- Mth 479. **Algebra.** (g) 3 hours.  
 Mth 499. **Foundations of Mathematics.** (g) 3 hours.  
 Mth 589. **Geometry.** 3 hours.

#### Music

- Mus 407. **Seminar: The Church Choir and Its Literature.** (G) 2 hours.

#### Physics

- Ph 411. **Modern Physics.** (G) 3 hours.  
 Ph 507. **Seminar: Foundations of Physics.** 4 hours.

#### Political Science

- PS 411. **Introduction to Public Administration.** (G) 4 hours.  
 PS 424. **The Struggle for Asia: Democracy vs. Communism.** (G) 4 hours.  
 PS 433. **American Political Theory.** (G) 4 hours.

#### Psychology

- Psy 435. **Counseling Procedures.** (G) 3 hours.  
 Psy 507. **Seminar: Psychology of Small Groups.** 3 hours.  
 Psy 507. **Seminar: Treatment of Child Behavior Problems.** 3 hours.  
 Psy 507. **Seminar: Scope and Method of the Social Sciences.** 3-6 hours.

#### Sociology

- Soc 309. **American Society.** 4 hours.  
 Soc 407. **Seminar: Social and Cultural Dynamics.** (G) 4 hours.  
 Soc 440. **Group Dynamics.** (G) 4 hours.  
 Soc 465. **The Family in American Culture.** (G) 4 hours.

#### Speech

- Sp 323. **Argumentation, Discussion, and Persuasion.** 3 hours.  
 Sp 344, 345. **Television Workshop.** 2-4 hours.  
 Sp 364. **Play Direction.** 3 hours.  
 Sp 448. **Radio, Television, and the Public.** (G) 3 hours.  
 Sp 481. **Speech Defects and Disorders.** (G) 3 hours.  
 Sp 507. **Seminar: Speech Forms and Techniques in Group Control.** (G) 3 hours.  
 Sp 507. **Seminar: Technical Problems of Theater.** (G) 2-4 hours.  
 Sp 508. **Workshop for Directors of High-School Plays.** 3 hours.

#### ENGLISH

Professors: HOELTJE, LESCH, MOLL, SOUERS. Associate Professor: MOORE.  
 Assistant Professors: OSWALD, SHERWOOD. Visiting Faculty: KRAUS.

- Wr 111. **English Composition (First Term).** 3 hours.  
 Fundamentals of English composition. TuWThF, 8:00. 115 Friendly. Oswald.  
 Wr 112, 113. **English Composition.** 3 hours each term.  
 Not offered in the 1955 summer session. Summer students may enroll in Wr 211 in place of either Wr 112 or Wr 113 to satisfy the composition requirement.  
 Wr 211. **Advanced Writing.** 3 hours.  
 Expository writing. Summer students may enroll in Wr 211 in place of either Wr 112 or Wr 113 to satisfy the composition requirement. MTuWTh, 8:00. 118 Friendly. Moore.

- Wr 411. **English Composition for Teachers.** (g) 3 or 4 hours.  
For students expecting to teach English in high school. Practice in writing and a review of the rules of composition. Required for satisfaction of the high-school teaching-field requirement in English. Prerequisite: Wr 111, 112, 113. TuWThF, 11:00. 117 Friendly. Oswald.
- Eng 102. **Survey of English Literature (Second Term).** 3 hours.  
From Milton to Byron. MTuWTh, 10:00. 118 Friendly. Moore.
- Eng 202. **Shakespeare (Second Term).** 3 hours.  
MTuWTh, 9:00. 118 Friendly. Moll.
- 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, 8:00. 117 Friendly. Moll.
- Eng 428. **Chaucer.** (G) 3 hours.  
As much of Chaucer's work read as time permits. Required for graduate students in English. TuWThF, 2:00. 118 Friendly. Souers.
- Eng 477. **Literary Foundations of American Life (Third 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 satisfy the high-school teaching-field requirement in English. TuWThF, 10:00. 115 Friendly. Hoeltje.
- Eng 486. **Major American Writers: Realists.** (G) 3 hours.  
Robinson and Eliot. TuWThF, 11:00. 115 Friendly. Hoeltje.
- Eng 489. **Trends in Modern Literature.** (g) 3 hours.  
Certain intellectual trends in modern English and American literature considered from the point of view of the history of ideas. MTuWTh, 9:00. 117 Friendly. Sherwood.
- 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: English Drama.** 3 or 4 hours.  
Time to be arranged. First meeting, 3:00, Tuesday, June 21. 112 Friendly. Lesch.
- Eng 507. **Seminar: Nineteenth-Century Prose.** 3-4 hours.  
Time to be arranged; first meeting, Tuesday, June 21. 112 Friendly. Moore.
- Eng 508. **Workshop: Study of Poetry.** 3 hours.  
June 20-July 1. An organization meeting will be held at 2:00, Monday, June 20. 105 Friendly. Souers, Moll, Sherwood, Kraus.

### FOREIGN LANGUAGES

Professor: DOUGHERTY. Assistant Professor: LEPPMANN.

#### French

- \*RL 1, 2. **First-Year French.** 8 hours.  
An introduction to the language, stressing reading, comprehension of the spoken tongue, and the first principles of French grammar. Equivalent of the first two terms of First-Year French given during the regular academic year. Daily, 8:00. 216 Friendly. Dougherty.

\* 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.

- RL 405. **Reading and Conference.** 3 hours.  
Advanced grammar and composition; a thorough review intended primarily for teachers and prospective teachers. Students wishing work in literature should consult the instructor. Time to be arranged. Dougherty.
- RL 503. **Thesis.** Hours to be arranged.
- RL 505. **Reading and Conference.** 3 hours.  
Advanced grammar and composition; a thorough review, intended primarily for teachers and prospective teachers. Students wishing work in literature should consult the instructor. Time to be arranged. Dougherty.

#### German

- \*GL 1, 2. **First-Year German.** 8 hours.  
The fundamentals of grammar, oral drill, translation of prose selections. Equivalent of the first two terms of First-Year German given during the regular academic year. Recommended for students who wish to acquire a reading knowledge. Daily, 8:00. 215 Friendly. Leppmann.
- GL 320. **Scientific German.** 3 hours.  
Intensive practice in the reading of scientific texts of increasing difficulty. Prerequisite: consent of instructor. Time to be arranged. Leppmann.

#### GEOGRAPHY

Professor: DICKEN.

- Geog 105. **Introductory Geography.** 3 hours.  
A general introduction to the field of geography. MTuWTh, 9:00. 105 Condon. Dicken.
- Geog 429. **Geography of North America.** (G) 3 hours.  
Physical, economic, and human geography of the continent. MTuWTh, 10:00. 105 Condon. Dicken.
- Geog 503. **Thesis.** Hours to be arranged.
- Geog 505. **Reading and Conference.** Hours to be arranged.

#### GEOLOGY

Professor: STAPLES.

- Geol 406. **Advanced Field Geology.** 9 hours.  
First six weeks. Geological field work in selected parts of Oregon. Prerequisite: Geol 314, Geol 383, consent of instructor. Staples.
- Geol 501. **Research.** Hours to be arranged.
- Geol 503. **Thesis.** Hours to be arranged.
- Geol 505. **Reading and Conference.** Hours to be arranged.
- Geol 506. **Advanced Field Geology.** 9 hours.  
First six weeks. Geologic field work in selected parts of Oregon. Emphasis on individual problems. Prerequisite: graduate standing, consent of instructor.

#### HEALTH AND PHYSICAL EDUCATION

Professors: CLARKE, HAAR. Associate Professors: MOORHEAD, POLEY, RHODA, SIGERSETH, SPRAGUE, WENTWORTH. Visiting Faculty: GUSTAFSON, HAYES, IBA, NEGRATTI, MCCLOY.

#### Workshop in Elementary-School Physical Education

- PE 411, 412, 413. **Workshop: Elementary-School Physical Education.** (g) 9 hours total credit.  
Open to both men and women. For elementary teachers who have physical-education responsibilities. Instruction includes all important aspects of ele-

\* See note (\*), page 36.

mentary-school physical education, such as aims, principles, methods, materials, and evaluation. Activities considered include rhythms, stunts, games, relays, and self-testing activities. All materials developed in terms of the objectives and standards of the Oregon physical-education program. Each teacher will have the opportunity to develop a program for his or her school. Prerequisite: certification as a teacher or consent of instructor. TuWThF, 8:00-12:00. Poley, Sprague, Wentworth.

PE 411. *Physical Education in the Elementary School.* (g) 3 hours. Introduction to methods of teaching, program construction, and evaluation. TuWThF, 8:00. 101 Physical Education. Sprague.

PE 412. *Rhythms for the Elementary School.* (g) 3 hours. First four weeks. The rhythms program; exploration of locomotor and non-locomotor movement; dramatization and creative dance studies; singing games; traditional dance skills and folk dances. Objectives, units of instructions, and methods of teaching the program for the various grade levels. TuWThF, 9:00-12:00. 44 Physical Education. Wentworth.

PE 413. *Activities for the Elementary School.* (g) 3 hours. Second four weeks. Fundamental movement and posture, conditioning exercises, games of low organization, sports activities, stunts, and tumbling in the elementary-school program. Development of an understanding of each activity and its place in the total program. Methods, materials, and skills necessary for teaching. TuWThF, 9:00-12:00. 44 Physical Education. Poley, Sprague.

#### Physical Education (Professional Courses)

PE 283. **Rhythmic Programs for the Elementary-School Child.** 3 hours. First four weeks. Rhythmic fundamentals, skills, and dances for children of grades 1 through 6. Special emphasis on teaching methods. TuWThF, 10:00-12:00. Men's Gym. 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: Workshop in Gymnastics and Tumbling.** 2 hours. First four weeks. For both men and women. Instruction in gymnastic and tumbling skills, with emphasis on the methods, materials, nomenclature, and criteria for selection of skills in these activities to fit the various grade levels of instruction. Prerequisite: consent of instructor. Daily, 10:00-12:00. Men's Gym. Haar.

PE 406. **Special Problems: Rhythms Workshop.** 2 hours. Second four weeks. For both men and women. Advanced methods and materials in folk, square, and ballroom dance. Special consideration given to the needs of the class members. Daily, 10:00-12:00. Gerlinger. Wentworth.

PE 444. **Tests and Measurements in Physical Education.** (G) 3 hours. Use of tests and measurements in physical education; evaluation of objectives, programs, and student achievement through measurement techniques. MTuWTh, 3:00. 101 Physical Education. Rhoda.

PE 460. **Physical Education in the Elementary School.** (g) 3 hours. An analysis and interpretive study of the objectives, standards, and purposes of the elementary school physical education program. TuWThF, 8:00. 101 Physical Education. Poley, 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 Dancing.** 3 hours. For both 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, 2:00. Gerlinger. Wentworth.

PE 507. **Seminar: Mechanical Analysis of Motor Skills.** 4 hours. Application of the laws of mechanics to the analysis of techniques of the major and minor sports, gymnastics, and swimming and diving. MTuWTh, 8:00. Laboratory, F, 8:00-10:00. 114 Physical Education. McCloy, Sigersteth.

PE 507. **Seminar: Scientific Bases for Physical Education.** 3 hours. A consideration of problems related to physical education, such as the evaluation of man relative to corrective and adaptive physical education, known factors of physical education, physical education for carry-over purpose, physiology of exercise and program planning, physical education for the very young child, physical education for the aging person, reconditioning. MTuWTh, 9:00. 114 Physical Education. McCloy.

PE 507. **Seminar: Psychology of Physical Education.** 3 hours. Application of the laws and principles of educational psychology to the teaching of physical-education activities; psychology of personal adjustment and guidance. TuWThF, 11:00. 114 Physical Education. McCloy.

PE 517. **Methods of Research.** 3 hours. Methods and techniques of research in health, physical education, and recreation; practice in application to problems of current interest. MTuWTh, 2:00. 114 Physical Education. Clarke.

PE 523. **Physical Education for the Handicapped.** 3 hours. Study of the major crippling conditions such as cerebral palsy and poliomyelitis and functional disturbances such as cardiac and respiratory conditions; planning the physical education program for these conditions. MTuWTh, 3:00. 121 Gerlinger. Poley.

PE 533. **Techniques of Relaxation.** 3 hours. The common causes of fatigue and neuromuscular hypertension; methods of combatting them. Theories underlying techniques of relaxation; application of those techniques in daily living. MTuWTh, 2:00. 121 Gerlinger. Poley.

PE 540. **Statistical Methods in Physical Education.** 3 hours. The use of norms, comparable scores, rating scales, and multiple regression as tools of research and interpretation of physical growth, physical status, and physical performance data. Prerequisite: elementary statistics. MTuWTh, 1:00. 122 Physical Education. Rhoda.

PE 541. **Statistical Methods in Physical Education.** 3 hours. Advanced statistics applied to research in physical education, including partial and multiple correlation, regression, analysis of variance, chi-square, and special correlation methods. Prerequisite: PE 540. Daily, 3:00. 122 Physical Education. Clarke.

PE 551. **Administration of Physical Education.** 3 hours. Organization and administration of physical education at the college level. Prerequisite: undergraduate course in this field. MTuWTh, 10:00. 122 Physical Education. Rhoda.

PE 558. **Program Construction in Physical Education.** 3 hours. Basic elements and procedures of program construction in physical education. An advanced course for supervisors and administrators of physical-education

programs. Special application at the city, county, and state levels. Students may develop programs for their own situations. MTuWTh, 1:00. 122 Physical Education. Sprague.

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

Principles and facts in the fields of myology, osteology, anthropology, neurology, and angiology of importance to college teachers of physical education who give instruction in anatomy, kinesiology, and physiology of exercise. Application to body movement and performance. Prerequisite: PE 471, PE 472, PE 473, or equivalent. MTuWTh, 1:00. 121 Gerlinger. Sigerseth.

**PE 573. Advanced Kinesiology.** 3 hours.

Analysis of complex movements, specialized skills, and motor coordination in terms of the mechanics of skeletal and muscular movement. Prerequisite: PE 572. TuWThF, 10:00. 121 Gerlinger. Sigerseth.

**Physical Education (Service Courses)**

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

For both men and women. MTuWTh, 3:00. Tennis courts.

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

For both men and women. MW, 4:00-6:00.

**Coaching Clinic**

June 13-18, 1955

**PE 406. Special Problems: Coaching Workshop.** 2 hours.

This course will consider special problems of coaching football, basketball, baseball, track and field, and wrestling. It is designed especially to meet the needs of high-school coaches. Several of the teaching staff have been selected for their successful teaching experience on the high-school level. The schedule will be as follows:

Football Coaching.....	8:30-10:20	ThFS	} Hayes
	1:30-3:30	FS	
	7:30-9:30	Th	
Football Coaching.....	10:30-12:00	ThFS	} Gustafson
Basketball Coaching.....	8:30-10:20	MTuW	
	1:00-3:00	TuW	} Iba
	7:30-9:30	M	
Basketball Coaching.....	10:30-12:00	MTuW	} Negratti
Baseball Coaching.....	1:00-3:00	MTh	
	3:00-4:30	TuW	} Kirsch
	7:30-9:30	Tu	
Track Coaching.....	1:00-3:00	MTh	} Bowerman
	3:00-4:30	TuW	
	7:30-9:30	W	
Wrestling Coaching.....	4:30-5:30	MTuWThFS	} Hammer
Athletic Training.....	3:00-4:30	Th	
	3:30-4:30	FS	} Logan

**Health Education (Professional Courses)**

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

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

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

The purposes and requirements of the elementary-school health service program, with emphasis upon organization and procedures for the school health examination, organization and presentation of teaching materials based on the health needs of the child, community needs and school health services. MTuWTh, 1:00. 101 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, 9:00. 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, 362, 363 or consent of instructor. MTuWTh, 2:00. 114 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.

**HE 506. Special Problems: Public Health.** 3 hours.

Functions and organization of public health; vital statistics; consumer health problems; health education in the Oregon public schools, with special emphasis on health teaching in the junior and senior high schools. Prerequisite: consent of instructor. TuWThF, 11:00. 122 Physical Education. Moorhead.

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

Organization and administration of the school health program. MTuWTh, 3:00. 114 Physical Education. Haar.

**HISTORY**

Professors: BREEN, STEPHENSON. Associate Professor: DULL. Assistant Professors: SMITH, SORENSON. Instructor: PINCKNEY. Visiting Faculty: SHARP.

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

The thirteen colonies and the United States to about 1840. First term of a three-term sequence. Daily, 9:00. 237 Commonwealth. Stephenson.

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

The United States since 1896. Third term of a sequence. Daily, 2:00. 237 Commonwealth. Pinckney.

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

Directed readings in a special field, with a written report or examination. Open only to students eligible for honors (cumulative GPA of 2.75).

**Hst 413. History of Rome.** (G) 4 hours.

The Roman Empire. Daily, 8:00. 212 Commonwealth. Breen.

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

Political, economic, and intellectual problems in the history of Western civilization, from 1200 to 1815. Intended primarily for teachers; provides a broad view, with attention to aspects that are particularly applicable to teaching assignments. Daily, 8:00. 232 Commonwealth. Smith.

**Ed 440. History of Education.** (G) 4 hours.

A general review of the growth and development of education in relation to the civilization of the times; emphasis on development of educational philosophies. Daily, 1:00. 237 Commonwealth. Breen.

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

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

- Hst 446. **Modern Germany.** (g) 4 hours.  
The German Empire, the republican experiment of 1918-33, the National Socialist regime, World War II and after. Daily, 11:00. 212 Commonwealth.
- Hst 469. **Twentieth-Century England.** (g) 4 hours.  
Social, political, economic, and intellectual changes in Great Britain in the twentieth century. Daily, 10:00. 232 Commonwealth. Smith.
- Hst 471. **American Political Parties and Leaders.** (G) 4 hours.  
The evolution of American political parties; outstanding political leaders. Daily, 11:00. 237 Commonwealth. Stephenson.
- Hst 477. **History of the West.** (G) 4 hours.  
The trans-Mississippi West. Daily, 8:00. 237 Commonwealth. Sharp.
- Hst 478. **History of the Pacific Northwest.** (G) 4 hours.  
Not open to students who have had History of Oregon (Hst 377). Meets state requirement for teacher certification. Daily, 1:00. 242 Commonwealth. Pinckney.
- Hst 479. **Forces and Influences in American History.** (G) 4 hours.  
Main themes in the history of the United States, selected with special reference to new interpretations and syntheses, and to the needs of teachers. Dynamic forces in the shaping of American institutions and thought, the role of personalities, the transit of culture, the frontier, immigration, economic growth, development of democratic institutions, the American role in world politics. Daily, 10:00. 237 Commonwealth. Sharp.
- Hst 488. **American Economic History.** (G) 4 hours.  
The economic development of the United States, 1850-1900. Daily, 9:00. 233 Commonwealth. Sorenson.
- Hst 490. **Problems of the Pacific.** (g) 4 hours.  
Study of selected current political, economic, and social problems in the Pacific area, and of the historical roots of these problems. Daily, 11:00. 333 Commonwealth. Dull.
- Hst 501. **Research.** Hours to be arranged.
- Hst 503. **Thesis.** Hours to be arranged.
- Hst 505. **Reading and Conference.** Hours to be arranged.
- Hst 505. **Reading and Conference: American Economic History.** 3 hours.  
Time to be arranged. Sharp.
- Hst 505. **Reading and Conference: The Far East.** 3 hours.  
Time to be arranged. Dull.
- Hst 505. **Reading and Conference: American History.** 3 hours.  
Th, 3:00-5:00. 219 Commonwealth. Pinckney.
- Hst 505. **Reading and Conference: Problems in American Civilization.** 3 hours.  
W, 3:00-5:00. 234 Commonwealth. Sorenson.
- Hst 507. **Seminar: American Historians.** 3 hours.  
Time to be arranged. Stephenson.
- Hst 507. **Seminar: English Historians.** 3 hours.  
Tu, 2:00-4:00. 233 Commonwealth. Smith.
- Hst 530. **European History: Renaissance and Reformation.** 3 hours.  
Readings, reports, and group discussions of major trends, problems, and interpretations in modern European history in the period of the Renaissance and Reformation. Time to be arranged. 213 Commonwealth. Breen.

- Hst 532. **European History: 1789 to the Present.** 3 hours.  
Readings, reports, and group discussions of major trends, problems, and interpretations in modern European history since 1789. Th, 1:00-3:00. 233 Commonwealth.
- Ed 543. **History of American Education.** 3 hours.  
The intellectual development of the United States, with special reference to education. Prerequisite: knowledge of American history. MTuWTh, 2:00. Sorenson.

### JOURNALISM

Professor: DUNCAN. Assistant Professors: SUMMERS, WEBB.

- J 339. **Principles of Advertising.** 4 hours.  
Advertising as a factor in the distributive process; the advertising agency; the "campaign"; the function of research and testing; the selection of media—newspaper, magazines, broadcasting, outdoor advertising, direct mail. Daily, 11:00. 218 Allen. Webb.
- J 441. **Radio-Television Advertising.** (G) 4 hours.  
Study of the principles of radio-television advertising and of the techniques involved. The place of broadcasting in modern advertising; methods of measuring audience, planning campaigns, writing copy, checking results. Prerequisite: J 339. Daily, 10:00. 218 Allen. 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. 306 Allen. Duncan.
- J 489. **Supervision of School Publications.** (g) 4 hours.  
The teacher's role in guiding student publications in secondary schools and junior colleges. Not open to journalism majors. Daily, 9:00. 306 Allen. Duncan.
- J 501. **Research.** Hours to be arranged.
- J 503. **Thesis.** Hours to be arranged.
- J 505. **Reading and Conference.** Hours to be arranged.

### LIBRARY EDUCATION

Visiting Faculty: CHILCOTE, SEALOFF.

- Lib 381. **Elementary Bibliography and Reference Materials.** 4 hours.  
Study of important reference books, indexes, and bibliographies. Practical problems in the use of reference tools, with emphasis on reference work in the school library. Daily, 9:00. 223 Library. Sealoff.
- Lib 484. **School Library Administration.** (g) 4 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; services; objectives. Daily, 11:00. 223 Library. Sealoff.
- Lib 487. **Cataloging and Classification.** (g) 4 hours.  
Expansion of the principles and methods of classification and cataloging of books and related materials. Attention to the more difficult problems in the cataloging and recording of materials. Prerequisite: Lib 386. MW, 1:00-2:00; TuTh, 1:00-3:00. 223 Library. Chilcote.
- Lib 488. **Books and Related Materials for Young People.** (g) 4 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; evaluation of books and other materials. Daily, 10:00. 223 Library. Sealoff.

Lib 505. **Reading and Conference.** 1-3 hours.  
Sealoff.

### MATHEMATICS

Associate Professors: CIVIN, GHENT. Assistant Professor: YOOD.

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

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

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

Mth 479 (g), Mth 579. Algebra. 6 hours.

Mth 489 (g), Mth 589. Geometry. 6 hours.

Mth 499 (g), Mth 599. Foundations of Mathematics. 6 hours.

It is the intention of the department to offer at least three of the total six terms of work in these courses each summer; the courses will be scheduled in such a manner that a student may complete two sequences in at most three summers and three sequences in at most four summers. Mth 479, Mth 499, and Mth 589 are being offered this summer. Mth 489, Mth 579, and Mth 599 are scheduled for 1956; and Mth 479, Mth 589, and one other course for 1957.

A new course, Mth 7, suitable for elementary-school and junior high-school teachers is being offered for the first time in summer.

Mth 7. **Mathematics for Elementary Teachers.** 3 hours.

Elements of arithmetic, algebra, and geometry. A required course in the elementary teacher training program. Daily, 9:00. 106 Deady. Yood.

Mth 10. **Elements of Algebra.** 3 hours.

Intended for students who have had less than one year of high-school algebra. May be integrated with Mth 7 if there is not sufficient enrollment to justify a separate section. Daily, 9:00. 205 Deady.

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, 11:00. 104 Deady. Civin.

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

To be offered by reading and conference. Enrollment restricted to students whom the department feels need the course and are sufficiently well prepared to take it with little formal class instruction. Time and place to be arranged.

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

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

An introductory course in statistics. Integrated with Educational Statistics (Ed 515). Computing machines are available for student use. Prerequisite: consent of department. MTuWF, 9:00. 104 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, 11:00. 104 Deady. Yood.

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. Prerequisite: analytic geometry. MTuWF, 8:00. 205 Deady. Ghent.

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

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

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

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

Intended primarily for teachers. Advanced theory of geometric constructions, non-Euclidean geometry, projective geometry. Prerequisite: analytic geometry and consent of instructor. MTuWF, 10:00. 205 Deady. Ghent.

### MUSIC

Professors: CYKLER, KRATT, NYE. Associate Professors: GREEN, VAGNER. Assistant Professors: ANDERSON, DIETERICH, LEE, RISINGER. Instructor: CUNNINGHAM.

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

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

Freshman year. Individual instruction in piano, voice, orchestral and band instruments. Prerequisite: qualifying examination; consent of dean. Instructors:

Piano—Green.	Stringed Instruments—Cykler, Dieterich.
Voice—Anderson.	Brass Instruments—Lee.
	Woodwind Instruments—Cunningham, Vagner.

Mus 195. **Band.** 1 hour.

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

Mus 196. **Orchestra.** 1 hour.

Study and performance of eighteenth-century orchestral literature. Open to all students. TuTh, 2:00; W, 7:00-9:00 p.m. Music Auditorium. Cykler.

Mus 197. **Choral Union.** 1 hour.

The preparation of a significant choral work in the larger form for public performance at the close of the summer session. Open to all students. MTuWTh, 1:00. 202 Music. Risinger.

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

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

MuE 317. **Music Education.** 3 hours.

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

MuE 351. **Voice Class.** 2 hours.

Study of voice problems in the public schools. MWF, 2:00. 202 Music. Anderson.

MuE 372. **Music Methods for Elementary Teachers.** 3 hours.

Experiences in teaching the various music activities in the elementary schools. Required of majors in elementary education. MTuThF, 9:00. 104 Music. Nye.

- Mus 390. Applied Music.** 1 or 2 hours.  
Junior year. Individual instruction in piano, voice, orchestral, and band instruments. One or two lessons a week. Attendance at class sessions and recitals required. Prerequisite: Mus 290 or equivalent and qualifying examination for upper-division standing. For instructors, see Mus 190.
- Mus 395. Band.** 1 hour.  
Continuation of Mus 195 for upper-division students. MTuWTh, 3:00. Music Auditorium. Vagner.
- Mus 396. Orchestra.** 1 hour.  
Continuation of Mus 196 for upper-division students. TuTh, 2:00; W, 7:00-9:00 p.m. Music Auditorium. Cykler.
- Mus 397. Choral Union.** 1 hour.  
Continuation of Mus 197 for upper-division students. MTuWTh, 1:00. 202 Music. Risinger.
- Mus 405. Reading and Conference.** Hours to be arranged.
- MuE 407. Seminar: Arranging for Band.** (G) 3 hours.  
Arranging full scores for school and college bands. MTuThF, 10:00. 104 Music. Vagner.
- MuE 407. Seminar: Choral Arranging and Composition.** (G) 3 hours.  
Arranging and composition for various types of choral groups. MTuThF, 2:00. 104 Music. Dieterich.
- MuE 407. Seminar: Choral Music in the High School.** (G) 3 hours.  
Study of organization, curriculum, and performance in the high-school choral music program. MTuThF, 10:00. 203 Music. Risinger.
- MuE 407. Seminar: Choral Workshop.** (G) 3 hours.  
Conducting and rehearsal techniques. Class members may bring selections of their choice for reading and study. MTuThF, 11:00. 202 Music. Risinger.
- MuE 407. Seminar: Interpretation of Band Literature.** (G) 3 hours.  
Problems of conducting and interpretation. MTuThF, 1:00. 104 Music. Vagner.
- MuE 407. Seminar: Problems of Brass Instruments.** (G) 2 hours.  
Demonstration and discussion of the playing of brass instruments and their literature. MWF, 9:00. 201 Music. Lee.
- MuE 407. Seminar: Problems of Woodwind Instruments.** (G) 2 hours.  
Problems of teaching flute, oboe, clarinet, bassoon, saxophone; reed making. MWF, 8:00. 201 Music. Cunningham.
- MuE 407. Seminar: Special Methods for Strings.** (G) 2 hours.  
Methods, materials, and organization of class instruction in stringed instruments in the public schools. MWF, 11:00. 201 Music. Cykler.
- Mus 407. Seminar: The Church Choir and its Literature.** (G) 2 hours.  
Second four weeks. Daily, 3:00. 104 Music. Dieterich.
- Mus 407. Seminar: Theory.** No credit.  
Provides an opportunity to remove deficiencies in theory background, in order to meet requirements prerequisite to upper-division and graduate study. MTuThF, 9:00. 203 Music. Green.
- Mus 408. Seminar in Music History.** (G) 2 hours.  
Music in the baroque period. MWF, 8:00. 105 Music. Cykler.
- Ed 408. Special Teaching Methods: Music.** 1-3 hours.  
Conferences and reports on materials and procedures used in choral and instrumental groups. Prerequisite: consent of instructor.

- Mus 430. Introduction to Musicology.** (G) 2 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. MWF, 10:00. 202 Music. Cykler.
- Mus 490. Applied Music.** 1-2 hours.  
Senior year. Continuation of Mus 390, which is prerequisite. For instructors, see Mus 190.
- 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: Counterpoint.** 2 hours.  
MWF, 1:00. 203 Music. Green.
- MuE 533. Music in the Elementary School.** 3 hours.  
Philosophy, supervision, curriculum, materials, and procedures of music teaching in the elementary school. Designed for classroom teachers, music majors, and administrators. Research in problems involving music and related areas of instruction. MTuThF, 8:00. 104 Music. Nye.
- Mus 590. Applied Music.** 1 to 4 hours.  
Individual instruction in piano, voice, stringed instruments, orchestral and band instruments, at the graduate level.

#### High-School Music Summer Session

A three-week summer session for high-school students in band and orchestra will be held on the campus from June 26 to July 15. Observation of the rehearsal of the high-school groups will be interesting and valuable to high-school music teachers.

#### PHYSICS

Professors: CH'EN, ELLICKSON. Associate Professor: EBBIGHAUSEN.  
Assistant Professor: DART.

- Ph 411. Modern Physics.** (G) 3 hours.  
The basic principles underlying modern developments in physics. Topics discussed include radioactivity, nuclear physics and atomic energy, with special emphasis on topics suitable for presentation to high-school students. Lectures. MTuWTh, 10:00. 16 Science. Ebbighausen, Dart.
- Ph 501. Research.** Hours to be arranged.
- Ph 503. Thesis.** Hours to be arranged.
- Ph 505. Reading and Conference.** Hours to be arranged.
- Ph 507. Seminar: Foundations of Physics.** 4 hours.  
The basic principles of the physical sciences, discussed with special attention given to those commonly considered in elementary and high-school science courses. The use, care, and adjustment of laboratory and demonstration equipment. Daily, 11:00. 16 Science. Ebbighausen, Dart.

#### POLITICAL SCIENCE

Professor: SCHUMACHER. Associate Professor: DULL. Assistant Professor: DEAN. Instructor: MARQUIS.

- PS 201. American Governments.** 3 hours.  
Provisions and principles of the United States Constitution; how they were formulated and how they have developed in American government and politics. MTuWTh, 8:00. Schumacher. 332 Commonwealth.

- PS 411. **Introduction to Public Administration.** (G) 4 hours.  
Organization and activities of government for carrying out public policy. Daily, 10:00. 332 Commonwealth. Marquis.
- PS 424. **The Struggle for Asia: Democracy vs. Communism.** (G) 4 hours.  
Basic conditions in Asia and the characteristics of the contest for power between Russia and the United States. Daily, 9:00. 333 Commonwealth. Dull.
- PS 433. **American Political Theory.** (G) 4 hours.  
How American political theory developed from early colonial days to the present. Daily, 11:00. 332 Commonwealth. Dean.
- Hst 490. **Problems of the Pacific.** (g) 4 hours.  
A study of current political, economic, and social problems in the Pacific area and of the historical roots of these problems. Daily, 11:00. 333 Commonwealth. Dull.
- PS 501. **Research.** Hours to be arranged.  
Dull.
- PS 503. **Thesis.** Hours to be arranged.  
Dull.
- PS 505. **Reading and Conference.** Hours to be arranged.
- PS 507. **Seminar: Issues and Problems of Legislation.** 3 hours.  
Legislative organization and operations, and policy issues growing out of national and state social and economic trends. Hours to be arranged. Schumacher.
- PS 507. **Seminar: Scope and Method of the Social Sciences.** 3-6 hours.  
The background and perspectives of each of the social science disciplines—anthropology, economics, political science, psychology, and sociology. Selected aspects of social organization considered in detail. Daily, 8:00-10:00. 104 Education. Bisno, Campbell, Dean, Littman, Smith, Tope.
- PS 507. **Seminar: Nature and Problems of Administrative Behavior.** 3-6 hours.  
For advanced graduate students who are at or past the master's level. Draws from the literature in the related fields of business administration, economics, social psychology, sociology, and political science. Particular emphasis on the fundamental research underlying human behavior as a basis for the theory and practice of administrative behavior. MTuWTh, 1:00-3:00. 104 Education. Jacobson, staff.

### PSYCHOLOGY

Associate Professors: LITTMAN, LUCHINS. Assistant Professor: SUNDBERG.

- Psy 421. **Clinical Methods in Psychology.** (G) 2 hours.  
Application of psychological methods to the study of the individual; survey of intelligence tests; theoretical and statistical background for interpretation of test scores. Prerequisite: Mth 425 or Individual Differences with laboratory; Ed 424 or equivalent. Available only with the permission of Dr. Killgallon and the instructor. Sundberg.
- Psy 424. **Mental-Testing Laboratory.** (G) 2 hours.  
Supervised practice in administration, scoring, and interpretation of the Stanford-Binet tests. Prerequisite: Psy 421 or equivalent. Available only with the permission of Dr. Killgallon and the instructor. Sundberg.
- Psy 435. **Counseling Procedures.** (G) 3 hours.  
June 20-July 30. Counseling problems of various types. Methods of interviewing for different purposes. Sources of vocational information. Diagnosis of individual cases. Evaluation of counseling programs. Prerequisite: clinical methods. Daily, 9:00. 301 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. Not open to students who have completed Ed 460. Daily, 11:00. 301 Condon. Littman.
- Psy 461. **Psychology of Adolescence.** (g) 4 hours.  
Study of the behavior changes during pre-adolescence and adolescence, as related to physiological development and social and cultural factors. Emphasis on personal and social adjustment. Intended to follow Psy 460. Not open to students who have completed Ed 461. Daily, 8:00. 301 Condon. Luchins.
- Psy 501. **Research.** Hours to be arranged.
- Psy 503. **Thesis.** Hours to be arranged.
- Psy 505. **Reading and Conference.** Hours to be arranged.
- Psy 507. **Seminar: Psychology of Small Groups.** 3 hours.  
Study of the social processes and structure of group behavior in terms of what happens in ordinary groups of everyday life. Principles and procedures of modern social-psychological work in group behavior applied to the understanding of specific groups. Emphasis on control and change of group behavior; survey of some of the more recent concepts in group therapy. MW, 10:00-12:00. 201 Condon. Luchins.
- Psy 507. **Seminar: Treatment of Child Behavior Problems.** 3 hours.  
Emphasis on everyday problems of children. Principles and theories of modern psychotherapy and personality applied to specific problems. TuTh, 10:00-12:00. 201 Condon. Luchins.
- Psy 507. **Seminar: Scope and Method of the Social Sciences.** 3-6 hours.  
The background and perspectives of each of the social science disciplines—anthropology, economics, political science, psychology, and sociology. Selected aspects of social organization considered in detail. Daily, 8:00-10:00. 104 Education. Bisno, Campbell, Dean, Littmann, Smith, Tope.

### SOCIOLOGY

Professor: BERREMAN. Assistant Professor: BISNO. Instructor: JOHANNIS.  
Visiting Faculty: SOROKIN.

- Soc 309. **American Society.** 4 hours.  
The impact of social organization and social institutions on value orientations in American society. Required of all majors. Prerequisite: General Sociology or Principles of Sociology. Daily, 8:00. 102 Commonwealth. Johannis.
- Soc 407. **Seminar: Social and Cultural Dynamics.** (G) 4 hours.  
Comparative analysis of national cultures and civilizations. Based upon Professor Sorokin's four volume classic, *Social and Cultural Dynamics*. Comparisons will be made with the analytical approaches of Toynbee, Spengler, and others. TuTh, 10:00-12:00. 101 Commonwealth. Sorokin.
- Soc 407. **Seminar: Creative Altruism.** (G) 2 hours.  
During the past decade Professor Sorokin has carried on studies of cooperative and altruistic social relations among men. He directs the Research Center for the Study of Creative Altruism at Harvard. This course will summarize the scientific state of knowledge about human cooperation and altruism. W, 2:00-4:00. 101 Commonwealth. Sorokin.
- Soc 440. **Group Dynamics.** (G) 4 hours.  
Analysis of the dynamics of group interaction. Significance and applications of the principles of group behavior for the group worker. Daily, 11:00. 102 Commonwealth. Bisno.

**Soc 465. The Family in American Culture.** (G) 4 hours.

The family as a social institution. The nature, character, and development of the family and its relationship to other social institutions. The family and the community. Frames of reference for family analysis. Class, ethnic, and religious variations in patterns of family living. Daily, 9:00. 102 Commonwealth. Johannis.

**Soc 501. Research.** Hours to be arranged.**Soc 503. Thesis.** Hours to be arranged.**Soc 505. Reading and Conference.** Hours to be arranged.**Soc 507. Seminar: Scope and Method of the Social Sciences.** 3-6 hours.

The background and perspectives of each of the social-science disciplines—anthropology, economics, political science, psychology, and sociology. Selected aspects of social organization and process considered in detail. Daily, 8:00-10:00. 104 Education. Bisno, Campbell, Dean, Littman, Smith, Tope.

**Soc 507. Seminar: The Behavioral Sciences.** (G) 4 hours.

A critical analysis and evaluation of the fifty-year development of American social sciences. Special attention will be paid to the enduring aspects of theory and methodology that provide the foundations for the modern behavioral sciences. TuTh, 2:00-4:00. 234 Commonwealth. Sorokin.

**Soc 508. Workshop: Intergroup Relations.** 3 hours.

July 18-29. Designed for teachers and community leaders whose activities involve intergroup relations, either through classroom instruction or in informal community programs. Racial, religious, national, and other groups will be considered. The facts concerning the nature and significance of ethnic and cultural differences, the multigroup nature of American society, the nature and significance of prejudice and differential treatment based on ethnic and cultural differences. Berreman.

**SPEECH**

Professor: CLARK. Associate Professors: DAHLBERG, MONTGOMERY, ROBINSON.  
Assistant Professor: KRETSINGER. Instructor: HUNTER.  
Visiting Faculty: KREMPPEL.

**Sp 111. Fundamentals of Speech.** 3 hours.

Projects in extempore speaking. Primary emphasis on content, organization, and adjustment to the speaking situation. MTuWTh, 9:00. 205 Villard. Dahlberg.

**Sp 261, 262, 263. Theater Principles.** 3 hours.

Development of the physical theater and the mechanics of its stage and shops; planning and construction of stage settings and properties; basic principles of stage lighting. MTuWTh, 2:00. 103 Villard. Robinson.

**Sp 323. Argumentation, Discussion, and Persuasion.** 3 hours.

Argumentation, principles and practice in discussion forms, audience motivation, and nature of audience response. MTuWTh, 10:00. 205 Villard. Dahlberg.

**Sp 344, 345. Television Workshop.** 2-4 hours.

Theory and practice of television broadcasting. Prerequisite: Sp 341. TuWThF, 2:00-4:00. 304 Villard. Kretsinger.

**Sp 364. Play Direction.** 3 hours.

Sources of dramatic material, choice of play, casting and rehearsal of players, production organization. Practical experience in directing. Especially designed for directors of school and community plays. 6 or more laboratory periods. MTuWTh, 1:00. 102 Villard. Krempel.

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

Instruction in speech and speech forms designed for classroom use. Required for English majors who intend to teach, but open to all prospective teachers. MTuWTh, 8:00. 205 Villard. Dahlberg.

**Sp 423. History and Literature of Oratory.** (G) 3 hours.

Masterpieces of oratorical literature: American oratory. TuWThF, 1:00. 217 Villard. Clark.

**Sp 444. Radio and Television Program Production.** (G) 3 hours.

Theory and practice of production techniques as they apply to major program types. Critical evaluation of programs, programming patterns, audience-analysis techniques. Prerequisite: consent of instructor. TuWThF, 1:00. 304 Villard. Kretsinger.

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

The influence and importance of broadcasting as a social, political, and cultural force; the development of broadcasting; commercial versus public-service broadcasting; the rights and duties of listeners; versus public opinion and propaganda influence. TuWThF, 10:00. 201 Villard. Kretsinger.

**Sp 465. History of the Theater.** (G) 3 hours.

An historical study of the theater from ancient to modern times. MTuWTh, 11:00. 206 Villard. Hunter.

**Sp 472. Experimental Phonetics.** (G) 3 hours.

Experimental methods in voice and phonetics; analysis and measurement of variables in the production of speech. 1 hour of laboratory work required. Prerequisite: consent of instructor. TuWThF, 9:00. 201 Villard. Kretsinger.

**Sp 481. Speech Defects and Disorders.** (G) 3 hours.

Symptoms and causes of speech abnormalities; emphasis on diagnosis and basic pathology of articulatory defects and delayed speech, with discussion of methods of treatment limited to general principles. TuWThF, 11:00. 101 Villard. Montgomery.

**Sp 483. Clinical Methods in Speech Correction.** (G) 3 hours.

Study of specific approaches and techniques in the treatment of the major speech defects, including functional articulatory difficulties, cleft-palate speech, stuttering, and neurological speech disorders. TuWThF, 1:00. 101 Villard. Montgomery.

**Sp 484, 485, 486. Clinical Practice in Speech Correction.** (G) 2-6 hours.

Actual case experience for student clinicians in the diagnosis and treatment of speech-defective children and adults, under supervision. Time to be arranged. Montgomery.

**Sp 501. Research.** Hours to be arranged.**Sp 503. Thesis.** Hours to be arranged.**Sp 505. Reading and Conference.** Hours to be arranged.**Sp 507. Seminar: Speech Forms and Techniques in Group Control.** 3 hours.  
MTuWTh, 11:00. 205 Villard. Dahlberg.**Sp 507. Seminar: Technical Problems of Theater.** 2-4 hours.  
Time to be arranged. Robinson.**Sp 508. Workshop for Directors of High-School Plays.** 3 hours.

July 5-16. Preparation and practice of directing, scene design and building, acoustics, lighting, costume, and makeup. Production of one or more presentations. Advance registration required.