

Summer Session

AT THE UNIVERSITY OF OREGON

June 23 to August 15

1952



University of Oregon BULLETIN

OREGON STATE SYSTEM OF HIGHER EDUCATION

UNIVERSITY OF OREGON BULLETIN

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Oregon State System of Higher Education

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

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

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

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

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University of Oregon

Summer Session 1952

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Summer Session Calendar

June 23—August 15, 1952

June 23	Registration
June 24	Classes begin
June 26	Last day for payment of registration fee without penalty
July 2	Last day for adding a course
July 4	Independence Day, holiday
July 19	Last day for withdrawal from a course
August 1	Last day for filing graduate theses
August 14-15	Final examinations

General Information

THE forty-eighth annual summer session of the University of Oregon will be organized as a single session of approximately eight weeks between June 23 and August 15, 1952.

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

The state of Oregon will grant a one-year provisional certificate for secondary-school teaching to a person who holds a bachelor's degree and who has completed a minimum of 17 term hours of work of education and a course in Oregon history. Provisional certification may be continued for a maximum period of five years if, during each of these five years, the teacher earns not less than 9 term hours in college courses at the upper-division or graduate level. On the completion of 45 term hours of work as a graduate student, the teacher is eligible for regular certification. A total of 32 term hours of work in education, including undergraduate and graduate courses, is required for the regular certificate.

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

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

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

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

(a) A total of 36 term hours in graduate courses in two departments or fields of study, including not less than 15 term hours in each field. At least 6 term hours must be in 500 courses in one of the two departments; the student's program must be planned to provide well-rounded knowledge, and must not be made up of scattered, unrelated courses.

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

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

In addition, the University offers departmental master's degrees in journalism, English, history, social science, foreign languages, mathematics, biological science, physical science, geography and geology, speech, health and physical education, music, art, and business. Work toward these degrees is admirably fitted to the needs of persons who wish to limit preparation to one field. At the option of the department, a thesis may or may not be required. Many departments offer programs for the master's degree both with thesis and without thesis.

A third type of master's degree is the Master of Education, which fits the needs of superintendents, deans, principals, and elementary teachers. For a few high-school teachers who have very few education credits and who must concentrate in this field, the program leading to this degree may be the most satisfactory.

Graduate Work in Elementary Education. Graduate work in elementary education is offered by the University of Oregon. The summer faculty in this field will include visiting instructors with special competence in the field. Work will be offered both for classroom teachers and for supervisors and principals.

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

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

Preparation. For a graduate major, the equivalent of an undergraduate major in the same field is required.

Credit Requirements. For the departmental master's degree the University requires a program of study of not less than 45 term hours, with a minimum of 30 term hours in the major subject. No major is required for the degrees of Master of Arts in General Studies and Master of Science in General Studies.

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

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

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

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

Qualifying Examination and Program. During the first term of work toward the master's degree, the student should file a tentative program, planned in conference with his major adviser. It is expected that the qualifying examination be taken during the first term of residence, or before 15 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, 200 Fenton Hall.

Opportunity for Undergraduates. Special attention will be given during the summer session to the needs of veterans. A large selection of lower-division courses will be offered; these courses will be closely integrated with course sequences offered during the regular academic year, so that veterans and other students may make steady progress toward the completion of lower-division requirements. Certain courses are planned especially for students intending to enter medical or dental schools or schools of nursing.

Students who are nearing graduation will find in the summer session an excellent opportunity to complete all or part of their upper-division requirements for a degree.

Admission as an Undergraduate. The only requirement for admission to the summer session is ability to do the work. However, students who wish to become candidates for a degree from the University must satisfy the regular University entrance requirements. As early as possible before the opening of the summer session, such students should file with the University Registrar complete official transcripts covering all school work taken above the eighth grade. Specific requirements are listed in the general University Catalog. Further information concerning admission and graduation requirements may be obtained from the Registrar.

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 23; classes will begin Tuesday morning, June 24. 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 20, or on Saturday morning, June 21. 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 23.

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 6 or more term hours of work pay this fee (except students registering for a four-week course carrying 6 hours of credit, who pay a fee of \$42.00). There is no additional out-of-state tuition for the summer session.	
Part-time fee	\$14.00 to \$42.00
1 or 2 term hours, \$14.00; 3 term hours, \$21.00; 4 term hours, \$28.00; 5 term hours, \$35.00; four-week course for 6 term hours of credit, \$42.00.	
Late-registration fee, per day	\$1.00
Undergraduate and graduate students pay the late-registration fee if they register after 3:00 p.m. on June 26.	
Examination fee for graduate students not enrolled in summer session.....	\$10.00
Paid by students not enrolled in the summer session who take examinations for advanced degrees during the summer.	
Staff fee, per term hour	\$3.00
On approval by the President's Office, full-time staff members may register for summer courses for this special fee.	
Fee for children receiving instruction in Clinical School	\$15.00
Music fees	See page 41

Except for fees for individual instruction in music and except for a golf fee (see page 33), no laboratory or other course fees are charged.

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

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

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

Board and Room. Board and room for both men and women will be available during the summer session in University halls of residence: for men, in the John Straub Memorial Building; for women, in Carson Hall. Students living in the halls must also board in the dormitory dining rooms (exceptions may be granted in unusual cases). A room-reservation deposit of \$15.00 is required; this deposit, less deductions for loss or breakage, will be returned at the end of the session. Blankets and bed linen, and the laundry of these items, are furnished by the halls; students furnish their own towels. Applications for reservation of dormitory rooms should be sent to the Director of Housing, Business Office, University of Oregon, Eugene, before the opening of the summer session, and should be accompanied by the room-reservation deposit.

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:

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

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

	<i>Straub</i>		<i>Carson</i>	
	<i>Multiple</i>	<i>Single</i>	<i>Multiple</i>	<i>Single</i>
At the opening of session.....	\$ 68.25	\$ 75.25	\$ 74.75	\$ 82.25
Prior to 3:00 p.m., July 21.....	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 July 2, or if the second installment is not paid by July 21.

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

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

The dormitories will be open for the summer session at 2:00 p.m. on Sunday, June 22; the first meal served will be breakfast on Monday. The dormitories will close Saturday noon, August 16; the last meal served will be dinner on Friday. Meals will be served on July 4.

Room and Board in Private Houses. A number of private boarding and rooming houses will be open during the summer. Rooms, flats, and furnished cottages

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

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

suitable for light housekeeping may also be available. A list of such accommodations will be obtainable from the Housing Secretary after June 1. The office of the Housing Secretary will be open about this time to help students obtain satisfactory living quarters.

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

Undergraduate Housing Rules. The rules regarding housing which prevail during the regular academic year are applicable to undergraduates during the summer session. Briefly, the procedure to be followed by students not living in a University residence hall is as follows:

- (1) The student should obtain from the Housing Secretary a list of approved rooming houses, and use this list in looking for rooms.
- (2) When desirable quarters are found, the student should fill out a housing petition and file it with the Housing Secretary.
- (3) Registration may not be completed without the signature of the Housing Secretary on the registration card.

Be sure that you have conformed to the housing regulations before engaging a room.

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

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

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

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

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

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

Chorus, Orchestra, and Band. A summer chorus, orchestra, and band will be organized. Membership in these organizations will be open to all summer-session students, whether or not they are enrolled in music courses. Students who

play orchestral or band instruments are urged to bring their instruments and take part. Concerts will be given by these groups during the final week of the session. The purpose of these organizations is recreation and enjoyment as well as professional and cultural training.

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

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

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

Correspondence Study. Students may frequently find a schedule of correspondence courses through which to continue their program of study after the close of the summer session. A correspondence catalog may be obtained from the General Extension Division office on the University campus.

Extension Classes. The General Extension Division welcomes inquiries in regard to extension courses offered in Portland and in other Oregon cities.

Special Programs

IN ADDITION to regular classroom instruction, the 1952 summer session will feature several special programs, including an athletic coaching school, a series of short-course workshops planned especially for teachers, and summer programs for high-school students in music and in speech.

Oregon School of Alcohol Studies. This workshop, scheduled for the period of June 16-27, is sponsored by the Oregon Liquor Control Commission through its Educational Advisory Committee. Several nationally known experts in the field of alcohol education will deliver lectures and participate in conferences. The workshop is planned especially for teachers; it is open, however, to other interested persons. Those wishing to receive University credit for the program will pay a fee of \$21.00.

Education for Marriage and Family Life. This workshop, scheduled for the period of June 16-27, is sponsored by the E. C. Brown Trust. It is planned for teachers, counselors, guidance officers, and school administrators. Films and literature will be available for critical appraisal. Fee for credit, \$21.00.

Northwest Elementary School Principals Work Conference. This workshop, scheduled for the period of June 16-27, is sponsored by the University of

Oregon School of Education and the Oregon Elementary School Principals' Association. The conference will deal intensively with such selected areas of elementary education as: the nature and role of leadership in the modern school; characteristics of good schools; problems of guidance, curriculum, and teaching; school-community relations. Fee for credit, \$21.00.

Athletic Coaching School. An athletic coaching school in football, basketball, track, and baseball will be held on the campus during the period of July 7-19. For further details, see page 33.

High-School Music Summer Session. A three-week summer session for high-school students in band, orchestra, and vocal music will be held on the campus during the period of June 30 to July 19. For further details, see page 41.

Speech Institute for High-School Students. The Department of Speech is offering for the first time, in the 1952 summer session, a special institute for high-school students and recent high-school graduates. Instruction will be offered in: interpretation, acting, stagecraft, radio broadcasting, discussion and debate, and oratory and extemporaneous speaking. The institute is scheduled for the period of July 21-August 8. For further details, see page 46.

Description of Courses

ANTHROPOLOGY

Professor: CRESSMAN. Assistant Professors: LAUGHLIN, STERN.
Instructor: DOZIER.

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

Archaeological field work in Oregon and the Aleutians; ethnographic field work among the Hopi. Prerequisite: consent of instructor. Cressman, Dozier, Laughlin.

Anth 411. **Problems of Race and Culture.** (G) 4 hours.

The nature of human races; race problems and racial conflict; special attention to the problems of racial contacts in Oregon communities, and the approach to these problems from the point of view of the teacher in the community. MTuWThF, 9:00. 301 Condon. Stern.

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

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

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

ARCHITECTURE AND ALLIED ARTS

Professor: CUTHBERT. Associate Professors: MCCOSH, HAYDEN. Assistant Professors: ANDREWS, BALLINGER, FERENS, GADDIS, WILKINSON. Instructors: SITES, CHADWICK.

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

Instruction in the use of oil or water color, with special sections for beginners in either medium. Especially designed for teachers who wish to develop studio

experience in this field. Two half days per credit. Daily, 9:00-12:00. Architecture.

AA 314, 414. **Art Education.** 2 hours.

Methods and techniques of presenting art material to either primary- or secondary-school students. Laboratory work in all media; discussions, lectures, and special projects. Time to be arranged. Architecture. Ballinger.

AA 380. **Graphic Arts (Lithography).** 2 hours.

A study of design principles and technical methods involved in lithography; especially designed for teachers who have had no experience in this medium. Two half days per credit. Daily, 9:00-12:00. Architecture. McCosh.

AA 387, 487, 587. **Architectural Design.** 2-6 hours.

No-grade course, following the sequence in the regular session and designed for students who wish acceleration or make-up. Time to be arranged. Architecture.

AA 389, 489, 589. **Landscape Design.** 2-6 hours.

No-grade course, following the sequence in the regular sessions and designed for students who wish acceleration or make-up. Time to be arranged. Architecture. Cuthbert.

AA 490. **Upper-Division Painting.** (G) 2-3 hours.

Advanced problems in portrait, figure, and still life, with separate sections in water color and oil; special instruction for teachers who desire further training in either medium. Two half days per credit. Daily, 1:00-4:00. Architecture.

AA 499. **City Planning.** (G) 2-4 hours.

No-grade course. Civic design and problems of urban planning. Hours to be arranged. Architecture. Cuthbert.

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

For students participating in the experimental summer-design project. Enrollment limited. Prerequisite: consent of instructor. Hours to be arranged. Architecture. Andrews.

AA 505. **Assigned Reading.** (G) Hours to be arranged.

AA 509. **Terminal Project.** (G) 2-6 hours.

Architecture or painting. Time to be arranged. Architecture.

BIOLOGY

Professors: HUESTIS, RISLEY.

Bi 442. **Genetics.** (g) 3 hours.

Heredity and variation in plants and animals. Students with upper-division and graduate standing eligible without prerequisite. Prerequisite for lower-division students: one year of college biology. MTuWTh, 8:00. 314 Science. Huestis.

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

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

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

Bi 507. **Seminar: Recent Advances in Biology.** 3 hours.

Lectures, readings, and discussions on current developments in biological science. MTuWTh, 11:00. 314 Science. Risley.

BUSINESS ADMINISTRATION

Professor: BALLAINE. Associate Professor: ZIEBARTH. Assistant Professors: RICHINS, ROBERT, SMITH. Instructor: JONES.

BA 111. Constructive Accounting. 4 hours.

An introduction to the field of accounting and business administration. Technique of account construction; preparation of financial statements. Application of accounting principles to practical business problems; study of proprietorship. MTuWThF, 1:00. Ziebarth.

SS 111. Stenography. 4 hours.

Gregg shorthand. Students must also take typing, unless they have had equivalent training. Students who have had one year of high-school shorthand may not take SS 111 for credit. MTuWThF, 9:00. Jones.

SS 121, 122. Typing. 2 hours.

Theory and practice of touch typing; rhythm drills, dictation exercises; writing paragraphs; punctuation and mechanical arrangement of business correspondence; tabulating, manifold; speed practice. Material offered will be adjusted to the needs of individual students. SS 121, MTuWThF, 11:00. SS 122, MTuWThF, 8:00. Jones.

BA 222. Elements of Finance. 4 hours.

How a modern business enterprise is launched, secures long- and short-term funds, manages its capital and earnings; public control of financial institutions. Required of all majors. Prerequisites: BA 111, 112, 113. MTuWThF, 1:00. Robert.

BA 223. Elements of Marketing. 4 hours.

Methods, policies, and problems. Private and cooperative channels, auctions, exchanges, middlemen; demand creation, assembly, standardization, packaging, financing, risk taking, distribution. Required of all majors. MTuWThF, 11:00. Richins.

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. Ballaine, Smith.

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

The place and significance of personnel management in the modern business organization; personnel policies and practices conducive to good relations with employees. Personnel problems of small organizations. Prerequisite: BA 222, 223. MTuWThF, 8:00. Richins.

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

Application of fundamental legal principles to typical business situations; illustrated by selected cases. The following topics are considered: contracts, bankruptcy, insurance, suretyship, sales, agency, personal property, real property, business organizations, partnerships, corporations, associations, trusts, joint stock companies, negotiable instruments. MTuWThF, 9:00. Robert.

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

Aims and objectives of business education; history, trends, issues; curriculum construction at high-school and junior-college level; instructional problems; research in business education. Prerequisites: upper-division standing, consent of instructor. MTuWThF, 9:00. Smith.

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

Examination of current literature and text materials. Work-experience pro-

grams; standards of achievement; guidance 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. MTuWThF, 11:00. 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 nonmajor students. MTuWThF, 8:00. Robert.

BA 429. Production Management. (G) 4 hours.

Nature and scope of production processes; economic, technological, regional, and managerial organization of production; plant location; design and layout; control of plant investment; working-capital investment and labor costs; planning production operations. Prerequisite: BA 111, 112, 113; BA 222, 223. MTuWThF, 10:00. Ziebarth.

BA 432. Business Statistics. 4 hours.

Application of statistical methods to business and economic numerical data; sources of data; data presentation through use of charts and tables; introduction to analysis of data in solution of management problems. MTuWThF, 11:00. Ballaine.

BA 436. Retail Merchandising. (G) 4 hours.

Retail policies and problems. Stock-control systems, buying, methods of sales promotion, plant operation, personnel, credit, turnovers, pricing, expense classification and distribution. Prerequisite: BA 223. MTuWThF, 10:00. Richins.

BA 453. Business Policy. (G) 4 hours.

Coordination of the specialized work given in the School of Business Administration; the interdependence of different departments of a business concern. Prerequisites: BA 222, 223. MTuWThF, 2:00. Ziebarth.

BA 460. Financial Institutions. (G) 4 hours.

Services, operations, and economic effects of financial institutions and government lending agencies with which business comes in contact. Emphasis on commercial banks. MTuWThF, 2:00. Ballaine.

BA 501. Research. Hours to be arranged.

BA 503. Thesis. Hours to be arranged.

CHEMISTRY

Professors: KUNZ, VAN RYSSELBERGHE. Associate Professor: REITHEL.
Assistant Professors: DEAN, GAERTNER, SWINEHART.

Ch 201. General Chemistry. 4 hours.

An introduction to chemical principles, with special emphasis on the structure of matter. Lectures, MTuWTh, 9:00, Main Lecture Room, Science. Laboratory, M, 1:00-4:00, General Chemistry Laboratory, Science. Kunz.

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

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

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

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

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

ECONOMICS

Professors: MACY, KLEINSORGE. Fellow: McALLISTER.

Ec 201. Principles of Economics. 3 hours.

A study of basic principles of economics, with attention to national income, production, business enterprise, money and banking. MTuWTh, 11:00. Macy.

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

Contemporary economic conditions and problems; the impact of defense efforts upon our economic system. Prerequisite: consent of instructor. MTuWThF, 10:00. McAllister.

Ec 418. Public Finance. (G) 4 hours.

Significant aspects of government expenditures, revenues, and debt. Emphasis on principles which should guide units of government in determining their financial policies. MTuWThF, 9:00. Macy.

Ec 425. Labor Problems. (G) 4 hours.

Conditions of labor since the industrial revolution. The labor market; wages, hours, conditions of work, unemployment. MTuWThF, 8:00. Kleinsorge.

Ec 489. American Economic History. (G) 4 hours.

The economic development of the United States since 1900. MTuWThF, 9:00. Sorenson.

Ec 501. Research. Hours to be arranged.

Macy.

Ec 503. Thesis. Hours to be arranged.

Macy.

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

Macy.

EDUCATION

Professors: AVERY, BREEN, CASTELL, CYKLER, JACOBSON, JONES, KAMBLY, KILLGALLON, TOPE, WOOD. Associate Professors: HEARN, MOORHEAD, SANDIN. Assistant Professors: HOGG, MASSEY, OSTRUM, RUMMEL, SCHMIDT, SORENSON. Graduate Assistant: HOPKINS. Visiting Faculty: BALDWIN, DOLL, FERRIER, GOLDENBERG, HAYWARD, HINES, JORDAN, KIRKENDALL, KRUZNER, LOBAUGH, LOGSDON, NAFZIGER, OSBORNE, PROUTY, PUTNAM, ROTH, SNYDER, SPEARS, VAN LOAN.

Seminar in Educational Foundations. In the belief that school administrators must know more about the social factors which underlie our society, a special seminar has been organized for administrators during the summer session. Lecturers from the fields of public administration, sociology, economics, anthropology, and psychology will present materials from these fields in daily lectures. Persons who enroll in the seminar are expected to attend the lectures and participate in a discussion program. Specialists in the social sciences and in education will lead the discussion of the implications of the social factors for education.

Special Education. Offerings in special education have been expanded in recognition of the demand for more trained teachers in this field. In addition to the work in Diagnostic and Remedial Techniques (Ed 465) and Psycho-Educational Clinic (Ed 409), special courses concerning the problems of exceptional children will be offered.

Post Session. There will be a two-week post session for graduate students in education from August 18 to 29. Three term hours of credit may be earned in Reading and Conference (Ed 505). The fee for this session is \$21.00. Professors Hearn and Sandin will be in charge of the post session.

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

Development and present status of secondary education as an American institution. Study of the problems of the high school from the standpoint of the teacher; its aims, program, functions, and characteristics. MTuWTh, 8:00. 4 Education. Logsdon.

Ed 313: Principles of Teaching. 3 hours.

Study of the actual classroom teaching process, including classroom organization and management, planning teaching units, evaluating pupil learning, and similar problems. Prerequisite: Ed 312 or equivalent. MTuWTh, 9:00. 2 Education. Kambly.

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

Analysis of the Oregon school system and of the law on which the system is based. Problems of Oregon schools, plans proposed for their solution, and trends in educational development in the state. Prerequisite: Ed 311. MWF, 1:00. 4 Education: Hopkins.

Ed 409. Psycho-Education Clinic. (G) 4-6 hours (additional credit by arrangement).

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

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, 1:00. 2 Education. Prouty.

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

Second four weeks. 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 program. Daily, 1:00-3:00. U.H.S. Auditorium. Kruzner.

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. 2 U.H.S. Breen.

Ed 460. Psychology of Childhood. (G) 4 hours.

The facts and principles of child behavior and development from conception to adolescence. Prerequisite: general psychology. Daily, 8:00. 301 Condon. Baldwin.

Ed 461. Adolescence: Growth and Development of the Individual. (G) 4 hours.

Processes through which the normal human being reaches maturity, acquires effective use of his bodily equipment and learning capacity, and makes satisfactory personal and social adjustments. Daily, 10:00. 207 Chapman. Baldwin.

- Ed 462. **Psychology of Exceptional Children.** (G) 4 hours.
A survey of the problems involved in finding, understanding, and meeting the educational and personal needs of all types of deviate children. Daily, 9:00. 3 U.H.S. Killgallon, Snyder, staff.
- Ed 464. **The Mentally Exceptional.** (G) 4 hours.
Systematic survey of types and characteristics of mental deficiency. Classification and diagnosis. Social control of defectives. Prerequisite: consent of instructor. Daily, 1:00. 3 U.H.S. Doll.
- Ed 465. **Diagnostic and Remedial Techniques.** (G) 4 hours.
A clinical course. Principles, methods, and instrumentation applicable to the analysis and correction of specific disabilities in basic school subjects. Practice in diagnosis leading to detailed recommendations for corrective instruction required. Daily, 8:00. 2 U.H.S. Hogg, Killgallon.
- Ed 501. **Research.** 1-3 hours.
Hours and subjects to be arranged.
- Ed 501. **Field Study.** 3 hours.
- Ed 503. **Thesis.** Hours to be arranged.
- Ed 505. **Reading and Conference.** 1-3 hours.
Hours and subjects to be arranged.
- Ed 507. **Seminar: Adolescent Literature.** 4 hours.
Survey of developing boys' and girls' characteristics, needs, and interests. Criteria for selecting reading materials to find the right books for each adolescent. Common reading problems of teen-age people at their various stages of growth. Use of criteria in the examination of selected books and other reading materials to meet needs and interests in both instructional and recreational reading materials. Classroom procedures for common reading and for individual reading programs. Daily, 9:00. 2 U.H.S. Schmidt.
- Ed 507. **Seminar: Children's Literature.** 4 hours.
Recent findings in children's literature. A large collection of children's books will be available for examination. Study of materials suitable for various grade levels. Opportunity to study and discuss materials suitable for language, arts, literature, social studies, science, and other areas at the elementary-school level. Daily, 10:00. 4 U.H.S. Roth.
- Ed 507. **Seminar: Clinical Methods.** 2-4 hours.
Clinical methods in diagnosing mental retardation. Prerequisite: consent of instructor. Daily, 2:00. 3 U.H.S. Doll.
- Ed 507. **Seminar: Educational Foundations.** 6 hours.
Designed for graduate students who desire an opportunity to examine major educational problems and issues in their sociological, economic, political, and anthropological settings. Daily, 1:00-3:00. 4 U.H.S. Ostrom, Tope.
- Ed 507. **Seminar: Higher Education.** 4 hours.
Problems relating to higher education: finance, organization, administration, student personnel, staff, and general trends. Daily, 8:00. 3 U.H.S. Jones.
- Ed 507. **Seminar: Music Problems and the School Administrator.** 3 hours.
Designed primarily for school administrators and supervisors. The philosophy of music education in the elementary and secondary schools; staffing, financing, and scheduling the school music program; private music lessons and school credit; school music and community relations. MTuWTh, 11:00. 103 Music. Cykler.
- Ed 507. **Seminar: Oregon School of Alcohol Studies.** 3 hours.
June 16-27. Physiological, sociological, psychological, and legal aspects of

alcoholism. Lectures and group discussions. Offered in cooperation with the Educational Advisory Committee to the Oregon Liquor Control Commission. Daily, hours to be arranged. Student Union. Ferrier, staff.

Ed 507. Seminar: Junior and Senior High-School Science. 4 hours.

Objectives of science; selection of subject matter; construction of science units; teaching techniques; materials and facilities for science teaching. Open to all persons interested in the teaching or supervision of junior or senior high-school science. Daily, 10:00. 2 Education. Kambly.

Ed 507. Seminar: The Public and The Press. 3 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. MTuWTh, 11:00. 103 Journalism. Nafziger.

Ed 507. Seminar: Social Hygiene. 4 hours.

Social-hygiene content, methods, and materials appropriate for junior and senior high schools. Prerequisite: senior standing in health education or biology, graduate standing in education or physical education, or consent of instructor. MTuWTh, 8:00. 114 Physical Education. Moorhead, Avery.

Ed 508. Workshop: Education for Marriage and Family Life. 3 hours.

June 16-27. Of value to teachers, counselors, guidance officers, and administrators. This workshop will center about the content, methods, materials, and problems of conducting units or courses in preparation for marriage and family living. Dating problems, mate selection, sex standards, improving parent-adolescent relations, and preparation for parenthood. Suitable films and literature will be available for critical appraisal. The place of family life education in the school program and the community. Daily, time to be announced. Student Union. Kirkendall, Osborne, Avery, staff.

Ed 508. Workshop: Northwest Elementary-School Principals' Work Conference. 3 hours.

June 16-27. A conference jointly planned by the University of Oregon School of Education and the Oregon Elementary School Principals' Association. The conference will deal intensively with such selected areas of elementary education as: the nature and role of leadership in the modern school; characteristics of good schools; problems of guidance, curriculum, and teaching; school-community relations; etc. The conference will include a series of general assembly lectures, discussion groups, work-study periods, and planned recreational activities. Students seeking to meet certification requirements may register for Reading and Conference in Elementary-School Supervision (Ed 505). Others may consult with advisers at the university or college where work is to be completed about substitution for other requirements. Daily, time to be announced. Student Union. Sandin, staff.

Ed 508. Workshop: Primary Education. 3 hours.

A workshop for principals and teachers on classroom problems. MTuWTh, 8:00. 4 U.H.S. Roth.

Ed 512. Research Procedures in Education. 4 hours.

The nature and procedures of research in education; special techniques of field study and thesis. Open to graduate students majoring in other fields. Does not take the place of individual supervision of the student's thesis. Daily, 12:00. 2 Education. Rummel.

Ed 515. Educational Statistics. 3 hours.

An introductory course in statistics. Computing machines are available for student use. Prerequisite: consent of instructor. MTuWF, 9:00. 160 Emerald. Massey.

Ed 522. Problems in American Secondary Education. 4 hours.

An advanced course for experienced teachers. The school in the community; guidance activity in the school; extraclass activities; the role of the school in contemporary society; the teacher in the local community. Daily, 11:00. 2 Education. Jacobson.

Ed 523. School Activity Program. 4 hours.

Theories involved in extraclass activities; objectives, organization, and supervision; student participation in social control; major and minor activities; problems of coordination, finance, and teacher personnel. Daily, 1:00. Music Room, U.H.S. Logsdon.

Ed 525. Pupil Personnel Work. 4 hours.

Organization and administration of guidance services; tests, inventories, questionnaires, and records; guidance in the curriculum; guidance in school activities; counseling; role of the home and community in guidance; evaluation of guidance services. Daily, 10:00. 2 U.H.S. Hearn.

Ed 526. High-School Counseling. 4 hours.

The purposes, techniques, and processes of counseling. Dynamics of adjustment and personality change. Uses of information, records, and tests in promoting emotional, educational, and occupational adjustment. Evaluation of outcomes; research. Prerequisite: consent of instructor. Daily, 2:00. 207 Chapman. Goldenberg.

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

The nature of the secondary-school principalship, including principles of administration, staff relationships, public relations, and professional growth; the school plant; business administration; administration of guidance services, curriculum, and school activities; evaluation of the secondary school. Daily, 9:00. 4 Education. Hearn.

Ed 535. Social Studies in the Elementary School. 4 hours.

Planned for upper-grade teachers; concerned primarily with materials and methods in the social studies. Results of research and forward-looking practices in representative school systems furnish the core of the program. Opportunity to examine materials and to plan individual programs. Daily, 1:00. 1 U.H.S. Hayward.

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

Role of social education in meeting needs of youth in American life. Organization of the learning experiences. Techniques of teaching these core experiences, such as the resource unit, teacher-pupil planning; classroom procedures such as the panel, the committee, the informal discussion, guidance in reading, field trips, and films. Evaluation techniques to measure growth in these learning experiences. Daily, 8:00. 2 Education. Schmidt.

Ed 537. Reading in the Elementary School. 4 hours.

A systematic survey of the research findings and best practices in teaching reading in lower grades. Opportunity to examine materials and to plan individual programs. Special assistance given teachers in solving their individual problems. Daily, 11:00. 1 U.H.S. Hayward.

Ed 543. History of American Education. 3 hours.

The intellectual development of the United States, with special reference to education. Open to seniors on consent of instructor. Prerequisite: knowledge of American history. MTuWTh, 2:00. 1 U.H.S. Sorenson.

Ed 552. Elementary-School Problems. 4 hours.

The functions and objectives of elementary education in the American social order. The relationship of curriculum development, administration, super-

- vision, teaching methods, and teacher education to these functions and objectives. Daily, 8:00. 1 U.H.S. Jordan.
- Ed 553. **Elementary-School Curriculum.** 4 hours.
A systematic study of the elementary-school curriculum. Intended for graduate majors in education. Daily, 11:00. 2 U.H.S. Sandin.
- Ed 554. **Elementary-School Supervision and Administration.** 4 hours.
Special problems and techniques of supervision in the elementary schools. Intended for mature persons who are or expect to be responsible for supervision in elementary schools. Daily, 10:00. 1 U.H.S. Sandin.
- Ed 561. **Advanced Educational Psychology.** 4 hours.
Review of some modern viewpoints in educational psychology; discussion of useful experimental material. Prerequisite: graduate standing in education. Daily, 2:00. 4 Education. Prouty.
- Ed 572. **Basic Course in School Organization.** 4 hours.
Problems of school organization on both state and local levels; organizational problems in the local school system, including program offerings in both elementary and secondary schools. Special emphasis on the problems of the small system. Prerequisite: Ed 311, 312, 313 or teaching experience. Daily, 2:00. 2 Education. Putnam.
- Ed 573. **Basic Course in School Administration.** 4 hours.
Administration of the local school system and its relation to state administration; relations within a school system; the teaching staff, school records and reports, pupil accounting; special services, budget making. Problems related to the school system as a whole. Prerequisite: Ed 311, 312, 313 or teaching experience. Daily, 11:00. 4 Education. Putnam.
- Ed 574. **Basic Course in School Supervision.** 4 hours.
Purpose and plans for supervision, use of texts, teaching aids, diagnosis of pupil difficulties, remedial teaching, relations of supervisors and teachers—as applied to both elementary and secondary schools. Prerequisite: Ed 311, 312, 313 or teaching experience. Daily, 10:00. 4 Education. Jordan.
- Ed 575. **School Finance.** 4 hours.
First four weeks, June 23-July 18. A study of the major problems of financing education and computing the cost of education. The problem of school revenues, the capital cost of education, budget making. Prerequisite: Ed 311, 312, 313 or teaching experience. Daily, 8:00-10:00. Music Room, U.H.S. Van Loan.
- Ed 576. **School Buildings.** 4 hours.
Last four weeks, July 21-August 15. Study of problems in planning, construction, maintaining, and operating school buildings. Daily, 8:00-10:00. Music Room, U.H.S. Hines.
- Ed 581. **Curriculum Foundations.** 4 hours.
Second four weeks, July 21-August 15. Implications of basic social, philosophical, and psychological factors in curriculum planning and organization; historical background; techniques of curriculum planning. Daily, 10:00-12:00. Music Room, U.H.S. Lobaugh.
- Ed 582. **Curriculum Survey.** 4 hours.
First four weeks, June 23-July 18. Survey and appraisal of curricular patterns of the public school; state and city programs; courses of study in major subject areas; techniques of course-of-study planning. Daily, 10:00-12:00. Music Room, U.H.S. Spears.
- Ed 583. **Curriculum Materials.** 4 hours.
Effective use and organization of curriculum materials; text and reference

books, supplementary pamphlet material, films and slides, records and recordings, pictures, radio, etc.; techniques of unit construction and community survey. Daily, 9:00. Curriculum Laboratory, Library. Wood.

Ed 586. **Philosophy of Education.** 4 hours.

Discussion of a group of philosophical questions relevant to education in the modern world. Daily, 11:00. 3 U.H.S. Castell.

OTHER COURSES FOR TEACHERS

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

Anthropology

Anth 411. **Problems of Race and Culture.** (G) 4 hours.

Architecture and Allied Arts

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

AA 314, 414. **Art Education.** 2 hours.

AA 380. **Graphic Arts (Lithography).** 2 hours.

AA 490. **Upper-Division Painting.** (G) 2-3 hours.

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

AA 505. **Assigned Reading.** (G) Hours to be arranged.

Biology

Bi 442. **Genetics.** (g) 3 hours.

Bi 507. **Seminar: Recent Advances in Biology.** (G) 3 hours.

Business Administration

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

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

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

BA 416. **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 460. **Financial Institutions.** (G) 4 hours.

Chemistry

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

Economics

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

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

Ec 418. **Public Finance.** (G) 4 hours.

English

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

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

- Wr 112. **English Composition (Second Term)**. 3 hours.
 Wr 113. **English Composition (Third Term)**. 3 hours.
 Wr 311. **English Composition for Teachers**. 3 hours.
 Eng 407. **Seminar: Shakespeare**. (G) 3 hours.
 Eng 407. **Seminar: Yeats and the Irish Renaissance**. (G) 3 hours.
 Eng 416. **History of Literary Criticism: Recent Criticism**. (G) 3 hours.
 Eng 466. **The Poet and Society**. (G) 3 hours.
 Eng 477. **Literary Foundations of American Life (Third Term)**. (G) 3 hours.
 Eng 482. **Major American Writers: The Romantic Idealists (Second Term)**.
 (G) 3 hours.

Foreign Languages

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

Geography

- Geog 105. **Introductory Geography**. 3 hours.
 Geog 427. **Geography of the Soviet Union**. (G) 3 hours.

Health and Physical Education

- PE 406. **Problems of Ballroom Dancing**. 2 hours.
 PE 406. **Problems of International Folk Dancing**. 2 hours.
 PE 460. **Physical Education in the Elementary School**. (g) 3 hours.
 HE 463. **Social Hygiene**. (G) 3 hours.
 HE 507. **Seminar: Safety Education**. 3 hours.
 HE 507. **Seminar: Community Relationships**. 3 hours.
 PE 562. **Changes in Body Size and Form During Childhood and Adolescence**. 3 hours.

History

- Hst 201. **History of the United States**. 4 hours.
 Hst 202. **History of the United States**. 4 hours.
 Hst 423. **The Struggle for Asia: Democracy vs. Communism**. (G) 4 hours.
 Hst 430. **Renaissance**. (G) 4 hours.
 Hst 445. **Europe since 1939**. (G) 4 hours.
 Hst 448. **Soviet Union**. (G) 4 hours.
 Hst 474. **American Foreign Relations**. (G) 4 hours.
 Hst 477. **History of the Pacific Northwest**. (G) 4 hours.
 Hst 489. **American Economic History**. (G) 4 hours.
 Hst 499. **History of Japan**. (G) 4 hours.

Journalism

- J 488. **The Public and the Press**. (g) 3 hours.
 J 511. **Supervision of School Publications**. 3 hours.

Mathematics

- Mth 425. **Elements of Statistical Methods**. (g) 3 hours.
 Mth 479. **Algebra**. (g) 3 hours.
 Mth 489. **Geometry**. (g) 3 hours.

- Mth 579. **Algebra.** 3 hours.
 Mth 599. **Foundations of Mathematics.** 3 hours.

Music

- Mus 395. **Band.** 1 hour.
 Mus 396. **Orchestra.** 1 hour.
 Mus 397. **Choral Union.** 1 hour.

Philosophy

- Phl 201. **Elementary Logic.** 3 hours.
 Phl 441. **Aesthetics.** (G) 3 hours.
 Phl 507. **Seminar: Philosophy of Education.** 4 hours.

Physics

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

Political Science

- PS 414. **Political Parties and Election Problems.** (G) 4 hours.
 PS 416. **Issues and Problems in Legislation.** (G) 4 hours.
 PS 422. **Issues of American Foreign Policy.** (G) 4 hours.
 PS 423. **The Struggle for Asia: Democracy vs. Communism.** (G) 4 hours.

Psychology

- Psy 204. **Psychology of Adjustment.** 3 hours.
 Psy 411. **Psychology of Childhood.** (G) 4 hours.
 Psy 412. **Psychology of Adolescence.** (G) 4 hours.
 Psy 431, 432. **Clinical Psychology.** (G) 4 hours.
 Psy 435. **Counseling Procedures.** (G) 4 hours.
 Psy 507. **Seminar: Psychology and Social Problems.** Hours to be arranged.
 Psy 507. **Seminar: Personality Development.** Hours to be arranged.
 Psy 507. **Seminar: Child Behavior Problems.** Hours to be arranged.

Sociology

- Soc 407. **Seminar: American Problems.** (g) 4 hours.
 Soc 437. **Sociology of Race Relations.** (G) 4 hours.
 Soc 507. **Seminar: Group Structure and Process.** 3 hours.

Speech

- Sp 413. **Oral Interpretation in the Study of Literature.** (g) 4 hours.
 Sp 424. **Speech Forms and Techniques in Group Control.** (G) 4 hours.
 Sp 449. **Radio Education in the Public Schools.** (g) 4 hours.
 Sp 467. **Staging the School Play.** (g) 4 hours.
 Sp 469. **Play Direction for the Teacher.** (g) 4 hours.
 Sp 481. **Speech Defects and Disorders.** (G) 4 hours.
 Sp 483. **Clinical Methods in Speech Correction.** (G) 4 hours.
 Sp 484, 485, 486. **Clinical Practice in Speech Corrections.** (G) 2 hours each term.
 Sp 488. **Rehabilitation of the Hard of Hearing.** (G) 4 hours.

ENGLISH

Professors: LESCH, MOLL, TROWBRIDGE. Associate Professor: McCLOSKEY.
Assistant Professors: OSWALD, SHEERWOOD.

- Eng 101. **Survey of English Literature (First Term)**. 3 hours.
From *Beowulf* to Milton. TuWThF, 11:00. 117 Friendly. Oswald.
- Wr 111. **English Composition (First Term)**. 3 hours.
Fundamentals of English composition. TuWThF, 8:00. 117 Friendly. Oswald.
- Wr 112. **English Composition (Second Term)**. 3 hours.
Continuation of Wr 111. TuWThF, 10:00. 117 Friendly. McCloskey.
- Wr 113. **English Composition (Third Term)**. 3 hours.
Continuation of Wr 112. TuWThF, 10:00. 117 Friendly. McCloskey.
- Wr 311. **English Composition for Teachers**. 3 hours.
For students expecting to teach English in high school. Practice in writing and a review of the rules of composition. Required for satisfaction of the high-school teaching-field requirement in English. Prerequisite: Wr 111, 112, 113. TuWThF, 9:00. 117 Friendly. Oswald.
- Eng 403. **Thesis for Honors Candidates**. Hours to be arranged.
- Eng 405. **Reading and Conference**. Hours to be arranged.
- Eng 407. **Seminar: Shakespeare**. (G) 3 hours.
MTuWTh, 11:00. 118 Friendly. Moll.
- Eng 407. **Seminar: Yeats and the Irish Renaissance**. (G) 3 hours.
TuWThF, 1:00. 112 Friendly. Sherwood.
- Eng 416. **History of Literary Criticism: Recent Criticism**. (G) 3 hours.
MTuWTh, 9:00. 115 Friendly. Trowbridge.
- Eng 466. **The Poet and Society**. (G) 3 hours.
Poetry as a force in shaping human ideals. MTuWTh, 10:00. 115 Friendly. Moll.
- 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 will satisfy the high-school teaching-field requirement in English. TuWThF, 8:00. 115 Friendly. McCloskey.
- Eng 482. **Major American Writers: The Romantic Idealists (Second Term)**. (G) 3 hours.
Hawthorne and Melville. TuWThF, 11:00. 115 Friendly. McCloskey.
- 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: Seventeenth Century**. 3-4 hours.
Time to be arranged. Trowbridge.
- Eng 507. **Seminar: English Drama**. 3-4 hours.
Time to be arranged. Lesch.

FOREIGN LANGUAGES

Assistant Professors: GUÉDENET, ROECKER.

Students who may wish to enroll for First-Year Spanish (RL 11, 12) or

Second-Year French (RL 4, 5) should apply, as far in advance as possible, to Dr. David M. Dougherty, head of the Department of Foreign Languages.

FRENCH

***RL 1, 2. First-Year French.** 8 hours.

An introduction to the French language with practice in reading prose; practice in pronunciation and an understanding of the spoken language. Equivalent to the first two terms of First-Year French given during the regular academic year. MTuWThF, 8:00-9:00. 216 Friendly. Guèdenet.

RL 405. Reading and Conference. 3 hours.

A program of supervised reading in the literature of the nineteenth century. For students who have completed a survey course in French literature or the equivalent. Those interested in literary periods other than the nineteenth century or in doing advanced work in the French language should consult the instructor. Time to be arranged. Guèdenet.

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

RL 505. Reading and Conference. 3 hours.

Readings in French literature of the nineteenth century. Students interested in periods other than the nineteenth century should consult the instructor. Time to be arranged. Guèdenet.

GERMAN

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

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

GL 405. Reading and Conference. 3 hours.

Intended for students interested in grammatical, literary, or scientific studies in German. Time to be arranged. Roecker.

GL 407. Seminar. (g) 3 hours.

GEOGRAPHY

Assistant Professors: ERICKSEN, STOVALL.

Geog 105. Introductory Geography. 3 hours.

A general introduction to the field of geography. MTuWTh, 10:00. 101 Condon. Stovall.

Geog 320. Political Geography. 3 hours.

Geopolitical principles; boundaries and aspirations of nations as they grow out of natural regional settings. The strategy of men, lands, and raw materials, colonies, migration, foreign-trade relations. TuWThF, 11:00. 101 Condon. Ericksen.

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

Regional geography of the Soviet Union; its resources, peoples, and world position. Prerequisite: Geog 105, 106, 107 or Geog 201, 202, 203. TuWThF, 9:00. 101 Condon. Ericksen.

Geog 430. Geography of South America. (G) 3 hours.

Physical, economic, and human geography of the continent. Prerequisite:

* Students who complete RL 1, 2, GL 1, 2, or RL 11, 12 with a grade of A or B may enter Second-Year French, German, or Spanish in the fall term.

- Geog 105, 106, 107 or Geog 201, 202, 203. MTuWTh, 8:00. 101 Condon. Stovall.
- Geog 501. **Research.** Hours to be arranged.
- Geog 503. **Thesis.** Hours to be arranged.
- Geog 505. **Reading and Conference.** Hours to be arranged.
- Geog 507. **Seminar: Geography of the Pacific Northwest.** 3 hours.
Emphasis on Oregon. MTuWTh, 11:00. 103 Condon.
- Geog 507. **Seminar: Conservation.** 3 hours.
TuWThF, 10:00. 103 Condon. Ericksen.

GEOLOGY

Professor: STAPLES.

- Geol 406. **Advanced Field Geology.** 9 hours.
Six weeks. Geological field work in selected parts of Oregon. Prerequisite: Geol 314, Geol 383, Geol 393, and 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.
Six weeks. Geologic field work in selected parts of Oregon. Emphasis on individual problems. Prerequisite: graduate standing and consent of the instructor. Staples.

HEALTH AND PHYSICAL EDUCATION

Professors: HAAR, LEIGHTON, MEREDITH, WASHKE. Associate Professors: CASANOVA, MOORHEAD, SIGERSETH, SPRAGUE, WENTWORTH. Assistant Professors: BORCHER, RHODA.
Instructors: BOWERMAN, KIRSCH. Visiting Faculty: LLOYD, MEYER, WOODEN.

HEALTH EDUCATION (PROFESSIONAL)

- HE 252. **First Aid.** 3 hours.
American Red Cross first aid; lectures, demonstrations, and practice leading to standard and advanced first-aid certificates. MTuWF, 9:00. 107 Physical Education. Washke.
- HE 406. **Special Problems.** Hours to be arranged.
Individual study of special problems assigned by the adviser and approved by the dean of the school.
- HE 450. **Elementary-School Health Education.** (g) 3 hours.
The purposes and requirements of the elementary-school health service program, with emphasis upon organization and 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. MTuWF, 10:00. 122 Physical Education. Moorhead.
- HE 463. **Social Hygiene.** (G) 3 hours.
Social-hygiene content, methods, and materials appropriate for junior and senior high schools, with special application to social hygiene, mental health, and family-life education units in the state course of study. Prerequisite: senior standing in health education or biology; graduate standing in education or physical education. MTuWTh, 8:00. 114 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. MWThF, 9:00. 143 Physical Education. Haar.

HE 501. Research in Health Education. Hours to be arranged.**HE 503. Thesis. Hours to be arranged.****HE 505. Reading and Conference. Hours to be arranged.****HE 506. Special Problems. Hours to be arranged.**

Individual study of special problems assigned by adviser and approved by the dean of the school. Credit and hours to be arranged.

HE 506. Special Problems of Public Health. 3 hours.

Functions and organization of public health in Oregon; vital statistics; consumer health problems; health education in the Oregon public schools, with special emphasis on community health problems. Prerequisite: consent of instructor. MTuWTh, 1:00. 143 Physical Education. Haar.

HE 507. Seminar: Safety Education. 3 hours.

Basic principles of safety-education programs as they apply to the school, home, and community; basic issues in safety education. Organized to present a foundational outline of this area of education in Oregon for the teacher and for the school administrator. MWThF, 2:00. 107 Physical Education. Washke.

HE 507. Seminar: Community Relationships. 3 hours.

Seminar for teachers of health education and for school administrators. The relationship of the school health program and the physical-education program to official health agencies, to professional health and medical organizations, to lay health agencies, to all significant community organizations. Methods and techniques for interpreting the school programs to the community. How the various agencies and organizations operate within the community. Their special interests in the school health program and in the physical-education program. MTuWTh, 11:00. 122 Physical Education. Moorhead.

PHYSICAL EDUCATION (SERVICE)**PE 380 or 390. Tennis. 1 hour.**

MTuWThF, 3:00. Washke.

PE 380 or 390. Golf. 1 hour.

Golf fee: \$15.00.

COACHING SCHOOL*

July 7 to July 12

PE 451a. Football Coaching. 1 hour.

Rules, systems of play, strategy, responsibilities of the coach, public relations, conference organization. MTuWThFS, 9:00-11:00. McArthur Court. Casanova.

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

PE 452a. Basketball Fundamentals. 1 hour.

Coaching methods and problems. Fundamentals of team play; comparison of systems, strategy; training; conditions; rules; officiating; selection of men for positions. MTuWThFS, 1:00-3:00. McArthur Court. Wooden.

PE 455. Baseball Coaching. 1 hour.

Review of fundamentals, with emphasis on methods of instruction; problems and duties of the baseball coach, including baseball strategy, rules and umpiring, baseball psychology, training, condition. MTuWThFS, 3:00-4:00. McArthur Court. Kirsch.

July 14 to July 19**PE 451b. Football Coaching. 1 hour.**

Rules, systems of play, strategy, responsibilities of the coach, public relations, conference organization. MTuWThFS, 9:00-11:00. McArthur Court. Meyer.

PE 452b. Basketball Fundamentals. 1 hour.

Coaching methods and problems. Fundamentals of team play; comparison of systems, strategy; training; conditions; rules; officiating; selection of men for positions. MTuWThFS, 1:00-3:00. McArthur Court. Borcher.

PE 456. Track Coaching. 1 hour.

Principles of training; development for performance for each track event. Selection of men for different events; conducting meets; officiating. MTuWThFS, 3:00-4:00. McArthur Court. Bowerman.

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

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

PE 406. Special Problems. Hours to be arranged.

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

PE 406. Problems of Ballroom Dancing. 2 hours.

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

PE 406. Problems of International Folk Dancing. 2 hours.

For men and women. Materials of folk dancing, including the fundamental locomotor skills, traditional step patterns, and couple, circle, square and longways dances from Europe and America. MWThF, 9:00. Gerlinger. Wentworth.

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 in Oregon. MTuThF, 10:00. 114 Physical Education. Sprague.

PE 501. Research in Physical Education. Hours to be arranged.**PE 503. Thesis. Hours to be arranged.****PE 505. Reading and Conference. Hours to be arranged.****PE 506. Special Problems. Hours to be arranged.**

Individual study of selected problems in the field of physical education or recreation assigned by the adviser and approved by the dean of the school.

- PE 506. **Problems of Methods and Materials of Folk and Square Dance.** 3 hours.
For men and women. American and foreign folk dances for the junior and senior high schools. Analysis of materials in terms of the objectives and standards of the Oregon physical-education program. Special emphasis on teaching procedures directed to the achievement of objectives. Prerequisite: consent of instructor. MTuWTh, 8:00. Gerlinger. Wentworth.
- PE 506. **Special Problems of Apparatus and Tumbling.** 3 hours.
Instruction in apparatus and tumbling skills, with emphasis on the methods, nomenclature, and criteria for selection skills in these activities to fit the various grade levels of instruction. Prerequisite: consent of the instructor. Daily, 2:00-4:00. Men's Gym. Haar.
- PE 506. **Problems of Injury and Reconditioning.** 3 hours.
The prevention and avoidance of injury, care of injuries, and reconditioning methods. Mechanical aids, taping, bandaging, massage, etc. MTuWTh, 2:00. 114 Physical Education. Rhoda.
- PE 507. **Seminar: 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 work directly on their own programs. MWThF, 9:00. 114 Physical Education. Sprague.
- PE 507. **Seminar: Supervision of Physical Education for City Supervisors.** 3 hours.
Study of purposes and plans for supervision in physical education; supervision of staff, facilities, and areas. Departmental organization, regulations, and policies. MTuWTh, 2:00. 122 Physical Education. Sprague.
- PE 507. **Seminar: College-Level Physical Education.** 3 hours.
Study of present organization and status of physical education in colleges and universities. MTuWTh, 3:00. Physical Education. Leighton.
- PE 515. **History and Trends in Physical Education and Recreation.** 3 hours.
The historical movements in the two fields. Their interrelation with one another. Attempt to identify future trends and their meaning for future development. MTuWTh, 8:00. 122 Physical Education. Lloyd.
- PE 517. **Methods of Research.** 3 hours.
The methods and techniques of research in health, physical education, and recreation; practice in application to problems of current interest. MTuWTh, 3:00. 122 Physical Education. Lloyd.
- PE 542. **Tests and Measurements.** 4 hours.
Testing procedures important in physical education; history, scope, and methods. Lectures and laboratory. Prerequisite: elementary statistics. MTuThF, 1:00. 122 Physical Education. Rhoda.
- PE 553. **Administration of Recreation.** 3 hours.
The problems associated with the development of programs of recreation to meet effectively the current needs for all groups and all situations. Current practices and new developments. MTuWTh, 10:00. 114 Physical Education. Lloyd.
- PE 556. **Administration of Buildings and Facilities.** 3 hours.
Building layout and equipment; relationship of the various functional units—equipment service, dressing facilities, activity spaces, administrative units, permanent and dismantlable equipment. MWThF, 11:00. 107 Physical Education. Rhoda.

PE 562. Changes in Body Size and Form During Childhood and Adolescence. 3 hours.

Growth in external dimensions and proportions from late infancy to early adulthood. Particular attention to differences associated with sex, puberty, socio-economic status, race, secular period, health regimen. MTuWTh, 1:00. 114 Physical Education. Meredith.

PE 572. Gross Human Anatomy. 3 hours.

An intensive study and analysis of the human skeletal and muscular structure with reference to body movement. MWThF, 10:00. 121 Gerlinger. Sigerseth.

PE 573. Objective Physical Education. 3 hours.

Principles, practices and purposes of developing basic physical-fitness elements of strength, endurance, agility, basic body skills. How to organize class work and programs. How to plan limits and symmetry of development of these elements. Their relation to skills of specialized activities such as the major sports. Lectures and laboratory. MTuWF, 9:00. 122 Physical Education. Sigerseth.

PE 574. Physiological Principles and Conditioning Practices. 3 hours.

Principles of diet, fatigue, circulatory and respiratory endurance, muscular endurance which bear directly on physical performance in athletics. Important conditioning practices and environmental and geographical factors which determine performance ability. Course planned to cover practical problems and practices of conditioning and physical fitness. MWThF, 8:00. 121 Gerlinger. Sigerseth.

HISTORY

Professors: BREEN, WRIGHT. Associate Professor: DULL. Assistant Professor: SORENSON.
Instructors: BINGHAM, PINCKNEY.

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

The colonial period, the American Revolution, the adoption of the Constitution, and American development to 1840. First term of regular year sequence. May be taken concurrently with Hst 202. MTuWThF, 10:00. Pinckney.

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

Social, political, economic, and military development, 1840-1896. Second term of regular year sequence. May be taken concurrently with Hst 201. MTuWThF, 11:00. Bingham.

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

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

Hst 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. MTuWThF, 10:00. Dull.

Hst 430. Renaissance. (G) 4 hours.

The Italian phase of the Renaissance. MTuWThF, 11:00. Breen.

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

Origins and course of World War II; postwar developments in the European states. MTuWThF, 9:00. Wright.

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

The revolution of 1917; Russian domestic and foreign policies from 1917 to the present. MTuWThF, 10:00. Wright.

- Hst 474. **American Foreign Relations.** (G) 4 hours.
The relations of the United States with other powers since about 1865; the development of American foreign policies. MTuWThF, 8:00. Pinckney.
- Hst 477. **History of the Pacific Northwest.** (G) 4 hours.
The growth of civilization in the Pacific Northwest. Not open to those who have taken Hst 377; meets the requirement for teacher certification. MTuWThF, 8:00. Bingham.
- Hst 489. **American Economic History.** (G) 4 hours.
The economic development of the United States since 1900. MTuWThF, 9:00. Sorenson.
- Hst 499. **History of Japan.** (G) 4 hours.
Japan from the Meiji era to the present. MTuWThF, 10:00. Dull.
- Hst 501. **Research.** Hours to be arranged.
Pacific Northwest. Bingham.
- Hst 503. **Thesis.** Hours to be arranged.
- Hst 505. **Reading and Conference.** Hours to be arranged.
Pacific Northwest. Bingham.
Far East. Dull.
United States. Pinckney.
- Hst 507. **Seminar.** 3 hours.
Middle Ages. M, 2:00-4:00. Breen.
United States. W, 2:00-4:00. Sorenson.

JOURNALISM

Professor: SABINE. Visiting Faculty: BARNES, CONOLY, NAFZIGER.

- J 314. **Advanced Typography Laboratory.** 1 hour.
An advanced course for selected students showing aptitude and desiring to continue J 313. Prerequisite: consent of instructor. Time to be arranged. Beard.
- J 401. **Research.** Hours to be arranged.
Sabine.
- J 405. **Reading and Conference.** Hours to be arranged.
Sabine.
- J 419. **Advanced Practice.** 1 to 3 hours.
Advanced editorial and advertising practice. Prerequisite: consent of instructor. Time to be arranged. Sabine.
- J 430. **Comparative Foreign Journalism.** (G) 3 hours.
Channels of foreign news coverage, including American and foreign press associations; analysis of foreign newspapers and study of foreign press personalities; foreign correspondents; censorship. MTuWTh, 10:00. 103 Journalism. Nafziger.
- J 488. **The Public and the Press.** (g) 3 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-communications process. Not open to journalism majors. MTuWTh, 11:00. 103 Journalism. Nafziger.
- J 501. **Research.** Hours to be arranged.
Sabine.

- J 503. **Thesis.** Hours to be arranged.
Sabine.
- J 505. **Reading and Conference.** Hours to be arranged.
Sabine.
- J 507. **Seminar.** Hours to be arranged.
Media research problems. Nafziger.
- J 511. **Supervision of School Publications.** 3 hours.
The teacher's role in guiding student publications, teaching preprofessional journalism courses, and handling publicity in secondary schools and junior colleges. M, 1:00 and additional time to be arranged. 103 Journalism. Barnes, Conoly.

LIBRARY METHODS

Instructor: LAMB.

- Lib 384. **School Library Administration.** 4 hours.
Planned for school administrators as well as librarians; special emphasis on the place of the library in the instructional program. Problems of budget, housing, and equipment, student assistants, library-study hall relationships, public relations, standards and evaluations, and library instruction to classes. MTuWThF, 9:00. Library, U.H.S. Lamb.
- Lib 386. **Acquisition and Organization of Library Materials.** 4 hours.
Instruction and practice in simplified procedures for the acquisition, preparation, cataloging, classification, and circulation of books and related library materials. MTuWThF, 1:00. Library, U.H.S. Lamb.
- Lib 388. **Books and Related Library Materials for Young People.** 4 hours.
Primarily a reading course based on materials suitable for the junior and senior high-school level. Study of reading interests and curricular needs, criteria for evaluating materials, selection aids, types of literary and informational books. Emphasis on the library as an information center. MTuWThF, 10:00. Library, U.H.S. Lamb.

MATHEMATICS

Professor: MOURSUND. Associate Professor: GHENT. Assistant Professor: MASSEY.

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

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

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

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

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

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

It is the intention of the department to offer four of the total six terms of work in these courses each summer; the courses are 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 489, Mth 579, and Mth 599 are being offered this summer. Mth 479, Mth 499, Mth 579, and Mth 589 are scheduled for the summer of 1953; and Mth 479, Mth 489, Mth 599, and another course to be selected for 1954.

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. MTuWThF, 11:00. 266 Emerald.

Mth 106. Plane Trigonometry. 4 hours.

Prerequisite: Mth 100 or one and one-half years of high-school algebra. MTuWThF, 8:00. 266 Emerald.

***Mth 200. Analytical Geometry.** 4 hours.

A standard course in analytical geometry, including a brief introduction to solid analytics. Prerequisite: trigonometry. MTuWThF, 11:00. 256 Emerald.

***Mth 202. Calculus.** 4 hours.

Primarily integral calculus. Prerequisite: Mth 201 or consent of instructor. MTuWThF, 11:00. 256 Emerald.

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

An introductory course in statistics. Computing machines are available for student use. Prerequisite: consent of instructor. MTuWF, 9:00. 160 Emerald. Massey.

Mth 479. Algebra. (g) 3 hours.

Students who have not had Mth 579 should give that course preference. 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. Time to be arranged. Ghent.

Mth 489. Geometry. (g) 3 hours.

Intended primarily for high-school mathematics teachers. Geometry before 1800 A.D., Euclidean geometry after Euclid, theorems of Euclidean geometry after Euclid, theorems of Euclidean geometry which connect it with projective geometry, properties of the circle. Prerequisite: analytical geometry. MTuWF, 11:00. 257 Emerald. Ghent.

Mth 501. Research. Hours to be arranged.

Mth 503. Thesis. Hours to be arranged.

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

Mth 507. Seminar: Analysis. 3-4 hours.

Topics selected to meet the needs of students. Prerequisite: consent of instructor. MTuWThF, 8:00. 256 Emerald. Moursund.

Mth 579. Algebra. 3 hours.

Intended primarily for mathematics teachers. Theory of equations and determinants. Selected algebraic topics. An introduction to modern algebra. Prerequisite: analytical geometry. MTuWF, 10:00. 256 Emerald. Moursund.

Mth 599. Foundations of Mathematics. 3 hours.

A study of such basic concepts of mathematics as groups, rings, and fields in relation to the number systems of algebra. The limit concept, continuity, order relations. Prerequisite: consent of instructor. MTuWF, 9:00. 257 Emerald. Ghent.

* Either Mth 200 or Mth 202 but not both will be offered, depending on enrollment prospects. Students are urged to make their wishes known to the department in advance.

MUSIC

Professor: CYKLER. Associate Professors: BOUGHTON, GREEN, NYE, VAGNER.
Instructor: LEE.

- Mus 195. **Band.** 1 hour.
MTuWTh, 3:00. Music Auditorium. Vagner.
- Mus 196. **Orchestra.** 1 hour.
MTuWTh, 1:00. Music Auditorium. Boughton.
- Mus 197. **Choral Union.** 1 hour.
MTuWTh, 2:00. 202 Music.
- Mus 317. **Music Education.** 3 hours.
Survey of methods and materials used in teaching music in the public schools, with emphasis upon the supervision of music. Prerequisite: consent of instructor. Time to be arranged. Nye.
- Mus 324. **Choral Conducting.** 2 hours.
The principles of conducting and training choral organizations. MWF, 9:00. 202 Music.
- Mus 351. **Voice Class.** 2 hours.
Study of voice problems in the public schools. MWF, 11:00. 202 Music.
- Mus 365. **Instrumental Techniques.** 1 hour.
A laboratory course designed to provide a working knowledge of one basic string instrument. Designed for majors following the vocal option. MTuWThF, 3:00. 204 Music. Boughton.
- Mus 395. **Band.** 1 hour.
MTuWTh, 3:00. Music Auditorium. Vagner.
- Mus 396. **Orchestra.** 1 hour.
MTuWTh, 1:00. Music Auditorium. Boughton.
- Mus 397. **Choral Union.** 1 hour.
MTuWTh, 2:00. 202 Music.
- Mus 405. **Reading and Conference.** Hours to be arranged.
- Mus 407. **Seminar: Marching Band Techniques.** (G) 2 hours.
The organization and administration of the marching band; suitable music, drill, band pageantry. MWF, 11:00. 104 Music. Vagner.
- Mus 407. **Seminar: Problems in Piano Pedagogy.** (G) 3 hours.
For teachers of piano. Discussion, evaluation, and demonstration of problems involved in performing and teaching the representative works in piano literature. MTuThF, 10:00. 104 Music. Green.
- Mus 407. **Seminar: Problems in Percussion Techniques.** (G) 1 hour.
TuTh, 11:00. 101 Music.
- Mus 407. **Seminar: Problems in Brass Instruments.** (G) 1 hour.
TuTh, 11:00. 201 Music. Lee.
- Mus 407. **Seminar: Problems in Woodwind Instruments.** (G) 1 hour.
Problems of teaching flute, oboe, clarinet, bassoon, saxophone. Reed making. TuTh, 9:00. 201 Music. Vagner.
- Mus 407. **Seminar: Problems in String Techniques.** (G) 1 hour.
Administration of string classes in the public schools. Analysis of the technical problems teaching of string instruments. TuTh, 8:00. 204 Music. Boughton.

- Mus 408. Seminar in Music History.** (G) 3 hours.
Music of the seventeenth century. MTuThF, 8:00. 104 Music. Cykler.
- Mus 428. Introduction to Musicology.** (G) 3 hours.
Study of the methods of research in music, and application of research techniques to particular musical problems. Prerequisite: Mus 360, 361, 362, or consent of instructor. MTuThF, 9:00. 104 Music. Cykler.
- Mus 432. Advanced Conducting.** (G) 2 hours.
Techniques of conducting and problems of the symphony orchestra and choral groups. Score reading. MWF, 9:00. 204 Music. Boughton.
- Mus 434. Applied Theory.** (G) 3 hours.
A course designed primarily for school orchestra, band, and choral directors. Practical study of problems of harmony, form, structure, counterpoint, rhythm, and intonation as they are usually encountered in the music performed by high-school organizations. This course may be counted toward the degree of Master of Science in General Studies; it may not be counted toward a music degree. Prerequisite: experience as an orchestra, band, or choral director. MTuThF, 1:00. 104 Music. Green.
- Mus 435. Applied Theory.** (G) 3 hours.
Continuation of Mus 434. MTuThF, 1:00. 104 Music. Green.
- Mus 436. Applied Theory.** (G) 3 hours.
Continuation of Mus 435. MTuThF, 1:00. 104 Music. Green.
- Mus 505. Reading and Conference.** Hours to be arranged.
- Mus 507. Seminar: Analysis of Music Structure.** 2 hours.
For advanced students in music education. MWF, 8:00. 202 Music. Green.
- Mus 529. Choral Literature for Public Schools.** 3 hours.
MTuThF, 1:00. 105 Music. Nye.
- Mus 531. Wind Literature for Public Schools.** 3 hours.
Music for junior and senior high-school bands. Solo and ensemble literature for woodwind and brass. MTuThF, 10:00. 105 Music. Lee.
- Mus 532. Problems in Music Education.** 3 hours.
The presentation for research and discussion of problems in all aspects of music education today. MTuThF, 2:00. 104 Music. Nye.
- Mus 533. Music in the Elementary School.** 3 hours.
Philosophy, supervision, curriculum, materials, and procedures of teaching music in the elementary school. Research in problems involving music and related areas of instruction. MTuThF, 10:00. 203 Music. Nye.

APPLIED MUSIC

- Mus 190, 290, 390, 490. Individual Instruction.** 1 to 2 hours.
- Mus 590. Individual Instruction.** 1 to 4 hours.
Private lessons in piano, violin, cello, and voice: one lesson per week for eight weeks, \$21.00; two lessons per week, \$40.00. Private lessons in any of the wind instruments: one lesson per week for eight weeks, \$14.00; two lessons per week, \$26.00. Practice-room fee: one hour daily, \$2.00.

HIGH-SCHOOL MUSIC SUMMER SESSION

IRA LEE, Director

A three-week summer session for high-school students in band, orchestra,

and vocal music will be held on the campus from June 30 to July 19. Observation of the rehearsals of the high-school groups will be interesting and valuable to high-school music teachers.

PHILOSOPHY

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

Phl 201. Elementary Logic. 3 hours.

An introduction to the study of reasoning. How to recognize, analyze, criticize, and construct the main types of argument and proof. TuWThF, 10:00. 202 Chapman. Pap.

Phl 441. Aesthetics. (G) 3 hours.

Major theories of beauty and the aesthetic experience—ancient, mediaeval, renaissance, modern, and contemporary. Prerequisite: consent of instructor. TuWThF, 11:00. 202 Chapman. Jessup.

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

Study of the broad fundamental principles and problems of education, as evaluated by the various schools of philosophical thought. Daily, 11:00. 3 U.H.S. Castell.

PHYSICS

Associate Professor: EBBIGHAUSEN.

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

Designed especially for high-school science teachers. The physical principles underlying recent developments such as nuclear physics, rocket and jet propulsion, ultrasonics, radioactive isotope research; atomic energy discussed and analyzed, with the intention of providing an adequate background for the discussion of these problems with high-school students. Lectures. MTuWThF, 9:00. 105 Deady. Ebbighausen.

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

Designed especially for high-school science teachers. Basic concepts, laws, and principles of physics discussed, with special emphasis on those which may be confusing to high-school students. The use, care, and adjustment of laboratory apparatus; the design and use of demonstration equipment. Lectures. MTuWThF, 11:00. 105 Deady. Ebbighausen.

Ph 501. Research. Hours to be arranged.

Ph 503. Thesis. Hours to be arranged.

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

POLITICAL SCIENCE

Professors: SCHLEICHER, SCHUMACHER. Associate Professor: DULL.

PS 414. Political Parties and Election Problems. (G) 4 hours.

The nature, organization, and operation of political parties, with special reference to the issues of 1952 campaigns. MTuWThF, 9:00. Schumacher.

PS 416. Issues and Problems in Legislation. (G) 4 hours.

Issues and problems of legislative apportionment, organization, and operation, of finance, education, and welfare, growing out of the changing character of the Pacific Northwest. MTuWThF, 11:00. Schumacher.

- PS 422. **Issues of American Foreign Policy.** (G) 4 hours.
Sources and characteristics of issues in contemporary foreign-policy debates. MTuWThF, 8:00. Schleicher.
- 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. MTuWThF, 10:00. Dull.
- PS 501. **Research.** Hours to be arranged.
- PS 503. **Thesis.** Hours to be arranged.
- PS 505. **Reading and Conference.** Hours to be arranged.

PSYCHOLOGY

Assistant Professor: LITTMAN. Instructor: GOLDENBERG. Visiting Faculty: BALDWIN.

Nine term hours of credit in psychology or the equivalent in specific preparation are an indispensable prerequisite to all upper-division courses.

- Psy 204. **Psychology of Adjustment.** 3 hours.
The nature and origins of differences in personality; means of making desired changes. Prerequisite: Psy 201, 202 or an equivalent introductory course in general psychology. MTuWTh, 9:00. 301 Condon. Littman.
- Psy 411. **Psychology of Childhood.** (G) 4 hours.
Growth of behavior during prenatal period, infancy, and childhood. Development of muscular activities, perception, emotional adjustment, intelligence, language, and social behavior in childhood. Graduate students desiring graduate credit must also register for Seminar in Child Behavior Problems (Psy 507). MTuWThF, 11:00. 301 Condon. Baldwin.
- Psy 412. **Psychology of Adolescence.** (G) 4 hours.
Study of the behavior changes during preadolescence, adolescence, maturity, and old age. Intended to follow Psy 411. MTuWThF, 10:00. 207 Chapman. Baldwin.
- Psy 431, 432. **Clinical Psychology.** (G) 4 hours.
Application of psychological methods to the study of the individual; survey of intelligence, achievement, special-aptitude, and personality tests; theoretical and statistical background for interpretation of test scores; training in diagnosis of actual cases. Prerequisite: equivalent of 6 term hours in upper-division psychology or consent of instructor. MTuWThF, 2:00. 301 Condon. Goldenberg.
- Psy 435. **Counseling Procedures.** (G) 4 hours.
Counseling problems of various types; methods of interviewing for different purposes, sources of vocational information, diagnosis of individual cases, evaluation of counseling programs. Prerequisite: consent of instructor. MTuWThF, 10:00. 207 Chapman. Goldenberg.
- 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 and Social Problems.** Hours to be arranged.
Prerequisite: consent of instructor. Tu, 1:00 and time to be arranged. 324 Condon. Littman.
- Psy 507. **Seminar: Personality Development.** Hours to be arranged.
Prerequisite: consent of instructor. W, 1:00 and time to be arranged. 302 Condon. Baldwin.

- Psy 507. **Seminar: Personality Development.** Hours to be arranged.
Prerequisite: consent of instructor. Th, 1:00 and time to be arranged. 302 Condon. Goldenberg.
- Psy 507. **Seminar: Child Behavior Problems.** Hours to be arranged.
Prerequisite: consent of instructor. Th, 1:00 and time to be arranged. 302 Condon. Goldenberg.

SOCIOLOGY

Professor: BERREMAN. Associate Professor: FOSKETT.
Assistant Professor: JAMES.

- Soc 204. **General Sociology.** 3 hours.
The first term of the regular introductory course in sociology. The basic findings of sociology concerning the individual, culture, group life, social institutions, and factors of social change. Prerequisite: sophomore standing or consent of instructor. MTuWTh, 11:00. James.
- Soc 407. **Seminar: American Problems.** (g) 4 hours.
For teachers of the twelfth-grade "American Problems" course. Background reading, lectures, and discussion on selected problems. Collection, organization, and preparation of materials for use at the high-school level. Open only to high-school social-studies teachers. TuTh, 3:00-5:15. Foskett.
- Soc 437. **Sociology of Race Relations.** (G) 4 hours.
The development of race consciousness and emergent problems of race-culture contacts. Prerequisite: introductory course in sociology, anthropology, or psychology. Daily, 9:00. Berreman.
- Soc 454. **Principles of Sociology.** (G) 3 hours.
Fundamental current concepts of sociology. Open to seniors and graduate students. MTuWTh, 10:00. James.
- Soc 503. **Thesis.** Hours to be arranged.
- Soc 505. **Reading and Conference.** Hours to be arranged.
- Soc 507. **Seminar: Group Structure and Process.** 3 hours.
Application of the small-group concept to group structure and process. Oriented to the needs of persons associated with schools, emphasizing groups with which the teacher and administrator deal. Intra- and inter-group relations studied in both theoretical and applied frames of reference. MW, 3:00-5:00. James.

SPEECH

Professors: CLARK, McCALL. Associate Professors: DAHLBERG, ROBINSON.
Assistant Professor: STARLIN. Instructor: RAMSEY.

- Sp 111. **Fundamentals of Speech.** 4 hours.
Projects in extempore speaking. Primary emphasis on content, organization, and adjustment to the speaking situation. MTuWThF, 9:00. 205 Villard. Dahlberg.
- Sp 413. **Oral Interpretation in the Study of Literature.** (g) 4 hours.
Principles of oral interpretation as they relate to stimulating interest in and appreciation of literature. Demonstrations. MTuWThF, 10:00. 201 Villard. McCall.
- Sp 424. **Speech Forms and Techniques in Group Control.** (G) 4 hours.
Forms and methods in public speech as they relate to audience psychology

and special situations. Study of forum, panel, committee, lecture, and parliamentary principles in terms of factors of attention, information, and persuasion. Special consideration of the needs of school administrators in public relations. MTuWThF, 11:00. 205 Villard. Dahlberg.

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

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

Sp 449. Radio Education in the Public Schools. (g) 4 hours.

Consideration of the role of radio and television in education; their use as educational tools both in and out of the classroom. MTuWThF, 9:00. 304 Villard. Starlin.

Sp 467. Staging the School Play. (g) 4 hours.

Consideration of the principles of design, lighting, and stagecraft as they relate to practical problems of staging public-school drama. Demonstrations. Laboratory opportunities. MWF, 1:00; laboratory hours to be arranged. 102 Villard. Ramey.

Sp 469. Play Direction for the Teacher. (g) 4 hours.

Analysis and treatment of the problems of play production and direction for the teacher at the secondary- and presecondary-school level. Time to be arranged. Robinson.

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

Symptoms and causes of speech abnormalities; emphasis on diagnosis and basic pathology of articulatory defects and delayed speech, with discussion of methods of treatment limited to general principles. MTuWThF, 8:00. 201 Villard. Montgomery.

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

Study of specific approaches and techniques used in treatment of the major speech defects, including functional articulatory difficulties, cleft-palate speech, stuttering, and neurological speech disorders. MTuWThF, 11:00. 201 Villard. Montgomery.

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

Actual case experience for student clinicians in diagnosis and treatment of speech-defective children and adults on an individual basis, under a plan of supervised practice. Time to be arranged. McCall, Montgomery.

Sp 488. Rehabilitation of the Hard-of-Hearing. (G) 4 hours.

Auditory tests and their interpretation; hearing aids; lip reading and auditory training. MTuWThF, 9:00. 201 Villard. McCall.

Sp 501. Research. Hours to be arranged.

Sp 503. Thesis. Hours to be arranged.

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

Sp 507. Seminar: Discussion, Debate, and Persuasion. 4 hours.

Principles and techniques in public discussion, debate, and personal speaking. Application to the high-school forensic program. MTuWThF, 8:00. 101 Villard. Clark.

Sp 507. Seminar: Speech Pedagogy. 2-4 hours.

Hours to be arranged.

Sp 507. Seminar: Dramatic Production. 2-4 hours.

Hours to be arranged.

Sp 507. **Seminar: Radio Programming.** 2-4 hours.

Hours to be arranged.

Sp 507. **Seminar: Technical Problems of Theater.** 2-4 hours.

Hours to be arranged.

SPEECH INSTITUTE FOR HIGH-SCHOOL STUDENTS

The Department of Speech is offering for the first time, in the 1952 summer session, a special institute for high-school students and recent high-school graduates. Its purpose is to employ the superb facilities and experienced staff of the department to provide unusual educational experiences for students with special interest and talent in the following areas:

Interpretation

Acting

Stagecraft

Radio Broadcasting

Discussion and Debate

Oratory and Extemporaneous Speaking

From July 21 through August 8, intensive, no-credit programs in these fields will be coordinated with corresponding courses for teachers. Students will have opportunity to act upon three University stages, to assist in all phases of staging, lighting, and costuming, to broadcast from the University radio studios, and to receive instruction in all of the activities of the Oregon High School Speech League. Current topics in discussion and debate will be studied, and representative projects in interpretation, oratory, and extemporaneous speaking will be employed.

The combination of projects, as well as hours of activity, will be determined for each participant after consultation with a staff member in advance of, or at the time of, registration.

The fee for high-school students participating in the institute is \$20.00. Board and room will be furnished in University dormitories for \$47.50 for the three-week period.