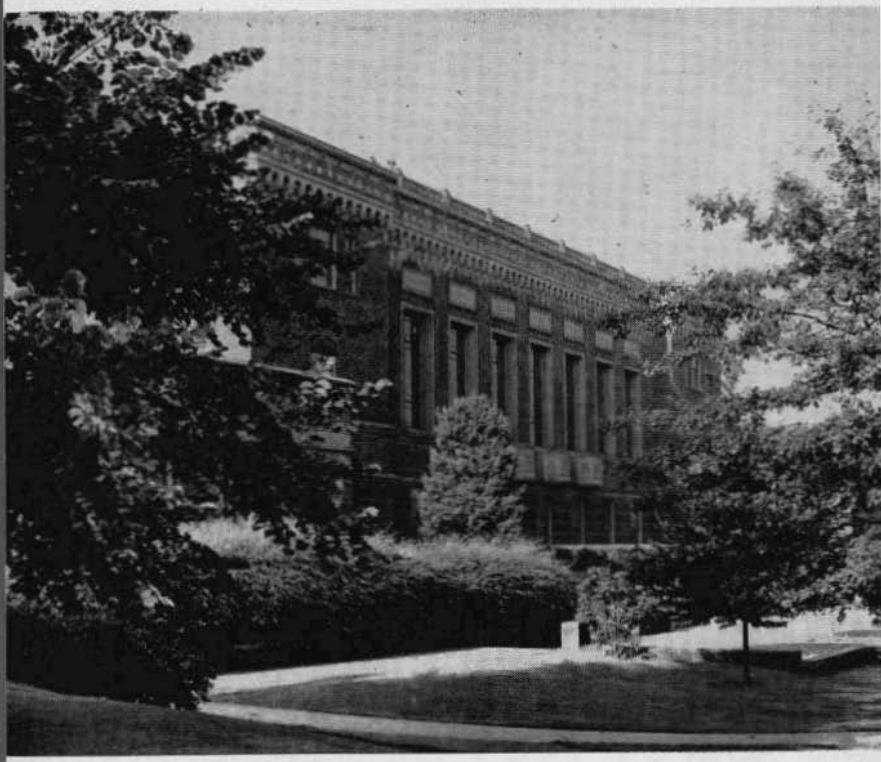


BULLETIN

UNIVERSITY OF OREGON

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OREGON STATE SYSTEM OF HIGHER EDUCATION



*summer session
june 21-august 12*

1949

University of Oregon
Summer Session

June 21 - August 12

1949

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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Summer Session Calendar

June 21—August 12

June 21.....	Registration
June 22.....	Classes begin
June 23.....	Last day for payment of registration fee without penalty
July 1.....	Last day for adding a course
July 4.....	Holiday
July 12.....	Last day for withdrawal from a course
July 29.....	Last day for filing graduate theses
August 11, 12.....	Final examinations

General Information

THE forty-fifth annual summer session of the University of Oregon will be organized as a single session of approximately eight weeks between June 21 and August 12, 1949.

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

On September 17, 1947, the Oregon State Board of Education announced discontinuance of the emergency certificate for high-school teachers, effective in the fall of 1948. Persons who graduate with a bachelor's degree, and who have had 17 term hours of work in education plus Oregon history, may now obtain a provisional certificate for one year. By earning not less than 9 term hours annually, the teacher may obtain additional provisional certificates until 45 hours of credit have been earned. They are then eligible for a regular certificate. Teachers in service who have emergency certificates may receive provisional certificates over a five-year period if they earn not less than 9 term hours of credit each year. A total of 32 hours in education 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.

Enrollment in the program is open to any person who is eligible for admission to the Graduate School; the student must, however, have a reasonable background of undergraduate study in the fields 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 graduate work in education 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, except that no thesis is required.

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

In addition, the University offers departmental master's degrees in journalism, English, history, social science, foreign languages, mathematics, biological science,

physical science, geology and geography, speech, health and physical education, music, art, and business. These degrees are admirably fitted to the needs of persons who wish to limit preparation to one field. The writing of a thesis is required for departmental master's degrees.

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.

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.

Registration. A bachelor's degree from an accredited institution is prerequisite to registration as a graduate student.

Admission as Degree 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 Requirement. All grades presented for the master's degree must be 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 can 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 of work, planned in conference with his major adviser. The qualifying examination is expected to be taken during the first term of residence, or before 15 term hours have been earned.

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. For all master's degrees except the M.Ed. and the M.S. in General Studies, registration for Thesis is required. For the M.A. and M.S., 9 term

hours in Thesis is required; 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. More than the usual number of lower-division courses will be offered; and 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.

Registration Procedure. Students will register for the summer session on Tuesday, June 21; classes will begin Wednesday morning, June 22. 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.

Preregistration plans for students already attending the University will be announced later.

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.

Summer-Session Fees. Students attending summer-session classes for credit or as auditors pay the same fees. Registration and other summer-session fees are as follows:

Registration fee.....	\$50.00
Students registering for more than 4 term hours of work pay this fee. There is no additional out-of-state tuition for the summer session.	
Part-time fee.....	\$25.00
Part-time fee paid by students carrying 4 term hours of work or less.	
Late-registration fee.....	\$1.00 to \$3.00
Undergraduate and graduate students pay a late-registration fee if they register after 3:00 p.m. on June 23. The late-registration fee is \$1.00 for the first day and \$1.00 for each additional day until a maximum charge of \$3.00 is reached.	
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.	
Short-Course Fee, minimum.....	\$12.50

Arrangements may be made, in some cases, for students to continue their studies on the campus after the close of the summer session, for additional credit. The fee for such short courses is \$6.25 a week, with a minimum fee of \$12.50.

Fee for children receiving instruction in Clinical School.....	\$15.00
Degree fee.....	\$ 6.50
Gymnasium and recreation fee.....	\$ 3.00
Students who pay this fee are entitled to lockers, towels, soap, use of swimming pools, gymnasium and swimming suits, handball courts, and tennis courts.	
Music fees.....	See page 34

Laboratory and special fees in connection with particular courses are indicated in the course descriptions.

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 (including laboratory, course, and special fees), depending on the time of withdrawal. The refund schedule is as follows:

Withdrawing first three days after beginning of classes.....	Refund all fees over \$ 5.00
Withdrawing within first two weeks.....	Refund all fees over \$12.00
Withdrawing after two weeks and before beginning of fifth week.....	Refund all fees over \$25.00
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. Students living in the halls during the summer must also board at the dormitory dining rooms. 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 Dormitories, University of Oregon, Eugene, before the opening of the summer session, and should be accompanied by the room-reservation deposit.

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

BOARD			
Entire session (three meals 6 days a week; breakfast and dinner Sundays).....			\$81.00
Per week.....			12.00
Per meal:			
Breakfast.....			.35
Lunch.....			.55
Dinner.....			1.00
ROOM			
	<i>8-Week Session</i>	<i>Per Day</i>	<i>Per Week</i>
Multiple room (per person).....	\$38.00	\$2.00	\$6.00
Single room (per person).....	57.00	3.00	9.00

Room and board charges at the session rate are payable in advance at the opening of the session, but may be paid in installments as follows:

	<i>Board</i>	<i>Double Room</i>	<i>Single Room</i>
When student arrives.....	\$40.50	\$19.00	\$28.50
July 1—7, inclusive.....	40.50	19.00	28.50
Total.....	\$81.00	\$38.00	\$57.00

Refunds are not granted unless the student withdraws from the summer session. The penalty for late payment is \$1.00 per day after the dates on which payment is due. Penalties begin June 25 and July 8.

The dormitories will open for the summer session on the evening of June 19, with the first meal served Monday morning, June 20. The last meal will be served on Friday evening, August 12. Meals will be served on July 4. The dormitories will close Saturday noon, August 13.

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

Housing for Veterans. Living accommodations for unmarried veterans will be available in the University dormitories; reservations should be made in advance, as indicated above. The University operates a considerable number of housing units for married veterans, a few of which may be available for the summer session. Married veterans interested in these quarters should write to D. H. Williams, University Business Office. Married veterans 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) 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, 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.

Forums and Lectures. Evening forums and lectures by visiting lecturers and prominent members of the University faculty will be scheduled as opportunity permits.

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 5,250 volumes on Oriental art and culture, will be open to students during part of the summer. Later announcements will indicate the days on which the museum may be visited.

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

Recreation. It is hoped that everyone who enjoys the outdoors will come prepared to take part in the recreational program sponsored by the University. There will be hikes and picnics on week ends, 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.

By paying a gymnasium and recreation fee of \$3.00, summer students may have the use of the gymnasium, swimming pools, and tennis courts*, together with gymnasium and swimming suits, lockers, towels, and soap.

Chorus, Orchestra, and Band. A chorus, an orchestra, and a band will be organized if enrollment is sufficient. 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, Eugene.

Teacher Placement. The School of Education maintains a Placement Service primarily to help graduates of the University to 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.

Coaching School. An athletic coaching school in football and basketball will be conducted on the campus from June 27 to July 10. For further information, see page 38.

All-State High-School Music Summer Session. During the summer session the School of Music is sponsoring an all-state band, an all-state orchestra, and an all-state chorus for a three-week period, June 27 to July 15. Tuition charge for the three weeks is \$20.00. The program includes group rehearsals, full rehearsals, and private instruction. Room and board in University dormitories will be furnished for \$40.00. Recreational facilities are available for all who enroll. Interested high-school students should write to John Stehn, School of Music, for further information.

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. Correspondence courses available through the General Extension Division are listed on the inside of the back cover of this catalog.

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

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

* Since the tennis courts have been built on a partial-payment plan, it is necessary that the courts bring in a certain amount of income. Students who do not hold a receipt for the \$3.00 gymnasium and recreation fee will be charged 10 cents per hour per player for the use of the courts.

Description of Courses

ANTHROPOLOGY

Professor: CRESSMAN. Associate Professor: BARNETT. Assistant Professor: STERN.

Anth 208. Introduction to Cultural Anthropology. 4 hours.

Human behavior viewed as a cultural phenomenon; its patterning; its relation to the physical and mental equipment of the individual; its relation to the habitat of the human group and to other human groups. The growth and modification of culture; diffusion and invention. The interrelations of the individual and his culture. MTuWThF, 9:00. 301 Condon. Barnett.

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

Field work in archaeology and social anthropology on the Klamath Indian Reservation. Prerequisite: consent of instructor. Cressman, Stern.

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

The nature of races and the problem of race prejudice; the question of racial differences, physical and psychological; the question of superior and inferior races; reasons for race prejudice. MTuWThF, 11:00. 101 Condon. Barnett.

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

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

Anth 507. Seminar: Culture Change. Hours to be arranged. Prerequisite: consent of instructor. Barnett.

ARCHITECTURE AND ALLIED ARTS

Professors: CUTHBERT, LITTLE. Associate Professors: BALDINGER, FRASIER, HAYDEN, MCCOSH. Assistant Professors: ANDREWS, BELSER, FERENS, GLAZER, MILLE, TREADAWAY, WILKINSON. Instructor: RYAN. Visiting Faculty: REIGGER.

The summer session in art is keyed to the special requirements of teachers of art in the public schools who are anxious to gain new experiences in the contemporary methodology of art education. A workshop in the basic art principles is being offered for the first time this summer, as a means of making this material available to teachers. Supplementing courses in studio painting, ceramics, and history of art are also offered.

A second point of emphasis is a group of courses in construction and architectural design for regular students who wish to accelerate their regular program or who need make-up work to remove deficiencies. These courses are available to students from other schools who wish to enroll for advanced architectural design.

Regular advisory service will be maintained during summer-session registration to coordinate the summer work with regular schedules of the academic year. All students pay the regular summer-session fee plus an additional laboratory fee of \$5.00 or \$10.00, to cover the cost of materials and equipment.

ARCHITECTURE

AA 297. Lower-Division Design. 2 or 3 hours.

Individual problems in architectural design relating to principles, methods, and concepts of planning. Laboratory fee, \$5.00. MTuWTh, 9:00-12:00 or 1:00-4:00. 200 Architecture.

AA 317. Surveying for Architects. 2 hours.

Elements of plane surveying adapted to the needs of architects. Lectures and field work. Laboratory fee, \$10.00. MWF, 1:00-4:00. 200 Architecture. Treadaway.

AA 417. Construction IV. 2 or 3 hours.

Working drawings, including scale and full-size details. Laboratory fee, \$5.00. MTuWTh, 9:00-12:00 or 1:00-4:00. 200 Architecture. Treadaway.

*AA 495. Upper-Division Landscape Design. 2 to 8 hours.

Individual problems in landscape design and planning. Laboratory fee, \$5.00. MTuWThF, 1:00-4:00. 200 Architecture. Cuthbert.

*AA 497. Upper-Division Architectural Design. 2 to 8 hours.

Individual problems in architectural design and planning. Laboratory fee, \$5.00. MTuWThF, 9:00-12:00 and 1:00-4:00. 200 Architecture.

*AA 498. Upper-Division Interior Design. 2 to 8 hours.

Individual problems in interior architecture. Laboratory fee, \$5.00. MTuWThF, 1:00-4:00. 200 Architecture. Frasier.

DRAWING AND PAINTING

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

Two sections, one for oil painting and one for watercolor. Creative color compositions, work with the figure, still life, and landscape. Emphasis on creative design. Special attention to the problem of the elementary and high-school teacher. Laboratory fee, \$5.00. MTuThF, 9:00-12:00. Architecture Studio. McCosh, Wilkinson.

AA 291. Lower-Division Drawing. 2 or 3 hours.

Training in observation and selection of significant elements and their representation in various media. Two sections, beginners and intermediate. Laboratory fee, \$5.00. MTuThF, 9:00-12:00. Architecture Studio. Ryan, Wilkinson.

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

Advanced problems in portrait, figure, and still life in all media. Laboratory fee, \$5.00. MTuThF, 1:00-4:00. Architecture Studio. McCosh, Wilkinson.

AA 491. Upper-Division Drawing. (G) 2 or 3 hours.

Advanced work in drawing; study of form from the figure. Laboratory fee, \$5.00. MTuThF, 1:00-4:00. Architecture Studio. Ryan.

HISTORY OF ART

†AA 114, 115a. Survey of Visual Arts. 4 hours.

An introduction to the principal visual arts, designed to develop insight into the actual work of art, the artist's approach, and breadth of understanding diverse works of art. Laboratory fee, \$5.00. MTuWThF, 10:00. 107 Architecture. Baldinger.

†AA 115b, 116. Survey of Visual Arts. 4 hours.

Continuation of AA 114, 115a. Laboratory fee, \$5.00. MTuWThF, 11:00. 107 Architecture. Baldinger.

AA 363. History of Western Art, 1800 to Present. 3 hours.

Comparative study of the arts as a social expression. Neoclassicism to impressionism. Laboratory fee, \$5.00. MTuThF, 9:00. 107 Architecture. Baldinger.

* Summer work in these courses is correlated with the regular program in professional design.

† AA 114, 115a and AA 115b, 116, if taken together, will be the equivalent of AA 114, 115, 116, which is required of majors; the courses will also provide the nonmajor with a complete introductory survey in the fields of painting, architecture, sculpture, and the crafts.

ART EDUCATION

AA 195. **Basic Design.** 2 hours.

Workshop for study of basic visual arts. As a summer course, the work will be planned especially for art teachers, with the emphasis on the application of design principles to the problems of art instruction in the elementary and high schools. The work may not be applied toward the basic-design requirements for majors in the School of Architecture and Allied Arts. Laboratory fee, \$5.00. MWF, 9:00-12:00. 202 Architecture. Glazer.

AA 414. **Art Education.** 3 hours.

Study of contemporary influences in art education (method, subject matter, material, etc.) in relation to teaching problems, lesson plans, and courses of study. Laboratory fee, \$10.00. MTuWThF, 1:00-4:00. 204 Architecture. Glazer.

APPLIED DESIGN

AA 296. **Lower-Division Applied Design.** 2 or 3 hours.

Ceramics: study of materials, techniques of design, throwing, modelling, glazing, and firing. Laboratory fee, \$10.00. MTuThF, 9:00-12:00. Ceramic Laboratory. Reigger.

AA 496. **Upper-Division Applied Design.** 2 to 4 hours.

Ceramics: advanced work in ceramics. Laboratory fee, \$10.00. MTuThF, 1:00-4:00. Ceramic Laboratory. Reigger.

HONORS AND GRADUATE COURSES

(Consent of instructor is required for admission to all honors and graduate courses.)

AA 401. **Special Studies.** Hours to be arranged.AA 501. **Special Studies.** Hours to be arranged.AA 503. **Thesis.** Hours to be arranged.AA 505. **Assigned Reading.** Hours to be arranged.AA 508. **Seminar in Planning and Housing.** Hours to be arranged.

Analysis and discussion of regional and urban planning problems, and of urban rehabilitation and housing. No laboratory fee. Architecture staff and guest lecturers.

BIOLOGY

Associate Professor: SIFE.

Bi 203. **General Zoology.** 4 hours.

Zoology of vertebrates; comparative anatomy. Lectures, MWF, 1:00. Laboratory, MWF, 2:00-4:00. Laboratory fee, \$3.00. 201 Deady.

Bi 416. **Evolution and Genetics.** (g) 3 hours.

Some of the facts which bear upon theories of plant and animal development. Heredity and variation in plants and animals; similarities and differences among related organisms. MTuWTh, 8:00. 105 Deady.

Bi 471. **Laboratory Techniques and Projects.** (G) 3 hours.

Explorations of modern laboratory techniques and experiments, designed for teachers of biology in elementary and secondary schools. Laboratory, TuTh, 1:00-5:00. Laboratory fee, \$6.00. 305 Deady.

Bi 464. **Principles of Ecology.** (G) 6 hours.

Identification, habitats, distributions, and interrelations of plants and animals,

including field studies. Lectures, MWF, 9:00. Laboratory, MWF, 1:00-4:00. Laboratory fee, \$6.00. 303 Deady.

Bi 501. **Research.** Hours to be arranged.Bi 503. **Reading and Conference.** Hours to be arranged.Bi 505. **Thesis.** Hours to be arranged.

BUSINESS ADMINISTRATION

Professors: BALLAINE, BURRELL, COMISH. Associate Professor: ZIEBARTH.
Assistant Professor: SMITH. Instructors: JONES, PEETERSON.

BA 111, 112, 113. **Constructive Accounting.** 4 hours each term.

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 from the standpoint of the single owner, the partnership, and the corporation. BA 111, MTuWThF, 8:00. 206 Commerce. Peiterson. BA 112, MTuWThF, 9:00. 106 Commerce. Peiterson. BA 113, MTuWThF, 9:00. 106 Commerce. Peiterson.

SS 111, 112, 113. **Stenography.** 3 hours each term.

Gregg shorthand. Students who have had one year of high-school shorthand may not take SS 111 for credit. MTuWThF, 2:00. 207 Commerce. Jones.

SS 121, 122, 123. **Typing.** 2 hours each term.

Theory and practice of touch typing; rhythm drills, dictation exercises; writing paragraphs; punctuation and mechanical arrangement of business correspondence; legal forms, tabulating, manifold; speed practice. Material offered will be adjusted to the needs of individual students. Course fee, \$1.00. SS 121, MTuWThF, 9:00. 208 Commerce. SS 122, MTuWThF, 10:00. 208 Commerce. SS 123, MTuWThF, 10:00. 208 Commerce. Jones.

SS 211. **Applied Stenography.** 4 hours.

Development of speed in taking dictation and in transcription. Advanced phrasing and vocabulary. Intensive work with business letters, forms, and reports. Verbatim conference reporting. MTuWThF, 11:00. 207 Commerce. Smith.

BA 212. **Principles of Cost Accounting.** 4 hours.

Basic principles of cost accounting; departmentalization; expense allocation; designed primarily for students interested in general accounting. Prerequisite: BA 111, 112, 113. MTuWThF, 9:00. 207 Commerce. Smith.

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. Prerequisite: BA 111, 112, 113. MTuWThF, 1:00. 107 Commerce. Burrell.

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. MTuWThF, 11:00. 107 Commerce. Peiterson.

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.

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

Curricular materials; trends in the high schools; current business-education

problems; viewpoints of business-education leaders. Special attention to problems growing out of the needs and interests of students enrolled. MTuWThF, 8:00. 207 Commerce. Smith.

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, 8:00. 7 Commerce. 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, 9:00. 206 Commerce. Ballaine.

BA 434. Problems in Distribution. (G) 4 hours.

Critical study of marketing problems. Strength and weakness of various retail marketing channels; merits and limitations of wholesale marketing channels; extent and adaptability of direct marketing. Prerequisite: BA 223. MTuWThF, 8:00. 105 Commerce. Comish.

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. 105 Commerce. Comish.

BA 437. Credit Management. (G) 4 hours.

The credit and collection policies of wholesale concerns, retail firms, and banks. The sources of credit information, the use of agency reports, interpretation of financial statements; collection tools and their uses. Prerequisite: BA 222, 223. MTuWThF, 11:00. 106 Commerce. Ballaine.

BA 442. Principles of Salesmanship. (G) 4 hours.

Principles and techniques of personal salesmanship; selling reactions. From the standpoints of seller and buyer. Prerequisite: BA 223. MTuWThF, 11:00. 105 Commerce. Comish.

BA 449. Air Transportation. (G) 4 hours.

Air transportation systems; Federal regulation; airport development in the United States; feeder air lines; nonscheduled air transportation. Prerequisite: BA 111, 112, 113; BA 222, 223. MTuWThF, 9:00. 7 Commerce. Ziebarth.

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. Prerequisite: BA 222, 223. MTuWThF, 1:00. 7 Commerce. Ziebarth.

BA 459. Finance Management. (G) 4 hours.

Financial problems involved in promotion, organization, obtaining permanent and working capital, bank loans, commercial-paper borrowing, management of earnings, administration policies, and reorganization. MTuWThF, 10:00. 206 Commerce. Burrell.

BA 483. Accounting Theory and Practice. (G) 4 hours.

The theory of accounting records and statements; statements of affairs, depreciation, analysis of profit-and-loss accounts, receiverships, balance-sheet construction and problems. Required of students majoring in accounting. MTuWThF, 2:00. 206 Commerce. Burrell.

BA 501. Advanced Commercial Research. Hours to be arranged.

Examination and criticism of typical studies in business research. Methods of procedure adapted to various types of business problems. Practice studies applying methods of business research. Ballaine.

BA 503. Thesis. Hours to be arranged.

CHEMISTRY

Professors: KUNZ, VAN RYSELBERGHE.
Assistant Professors: DEAN, HEYMANN, REITHEL, SWINEHART.
Visiting Faculty: ROSS.

Ch 220s. Analytical Chemistry. 4 hours.

Lectures on the fundamentals of qualitative and quantitative analysis. Laboratory devoted primarily to quantitative analysis. Prerequisite: Ch 203. Laboratory fee, \$5.00. Lectures, MTuWTh, 9:00. 105 McClure. Laboratory, M, 1:00-5:00. 201 McClure.

***Ch 419s. Advanced General Chemistry.** (g) 4 or 5 hours.

Designed primarily for students interested in teaching high-school chemistry. Lectures on modern developments, including atomic structure and radioactivity. Laboratory (optional for fifth-hour credit) adapted to needs of students. Prerequisite: one year general chemistry; Ch 220 or equivalent (or concurrent registration). Laboratory fee, \$5.00. Lectures, MTuWThF, 8:00. 105 McClure. Laboratory, W, 1:00-5:00. 207 McClure.

Ch 501. Research. Hours to be arranged.

Ch 503. Thesis. Hours to be arranged.

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

Ch 507. Seminar. Hours to be arranged.

ECONOMICS

Professors: CRUMBAKER, GANOE. Associate Professor: ELLIS.

Ec 204s. Principles of Economics. 4 hours.

Principles that underlie production, exchange, and distribution. Covers approximately one-half of the material of Ec 201, 202, 203. Prerequisite: sophomore standing. MTuWThF, 8:00. 106 Oregon. Crumbaker.

Ec 401. Research. Hours to be arranged.

Prerequisite: consent of instructor. Ellis.

Ec 416s. Economics of American Industry. (G) 4 hours.

The technological development of the major manufacturing industries; conditions of monopoly and of competition in each; effects of periods of prosperity and depression on each; relation to general economic theory; illustrations by the use of moving pictures and trips to industrial plants in the Eugene area. MTuWThF, 8:00. 5 Oregon. Ellis.

* The Department of Chemistry plans to offer one or more of the following courses during succeeding summer sessions; all are designed especially for students interested in teaching high-school chemistry:

Ch 429s. Survey of Analytical Chemistry. (g) 4 or 5 hours.
Prerequisite: Ch 220 or equivalent.

Ch 439s. Survey of Organic Chemistry. (g) 4 or 5 hours.
Prerequisite: Ch 220 or concurrent enrollment.

Ch 449s. Survey of Physical Chemistry. (g) 4 or 5 hours.
Prerequisite: Ch 220 or equivalent.

- Ec 418s. **Introduction to Public Finance.** (G) 4 hours.
Principles of overall Federal financial policies, especially as related to problems of inflation and unemployment; the nature and costs of government services; principles of taxation; the relative merits of various types of taxes; the problem of the public debt. MTuWThF, 10:00. 106 Oregon. Ellis.
- Ec 438s. **Government Control of Private Business.** (G) 4 hours.
Survey of the general movement to subject business and personal and property rights to government regulation. Emphasis on the expanding power of the Federal government. MTuWThF, 9:00. 106 Oregon. Crumbaker.
- Ec 450s. **Modern Theories of Social Reform.** (G) 4 hours.
A comparative analysis of capitalism ("the American way of life") and socialism, communism, and fascism. Emphasis on current trends. MTuWThF, 11:00. 106 Oregon. Crumbaker.
- Ec 488s. **American Economic History.** (G) 4 hours.
Economic development in the United States down to the middle period. MTuWThF, 10:00. 5 Oregon. Ganoë.
- Ec 501. **Research.** Hours to be arranged.
Ellis.
- Ec 503. **Thesis.** Hours to be arranged.
Ellis.

EDUCATION

Professors: CLARK, HUFFAKER, JACOBSON, KAMBLY, KILLGALLON, McCALL, WOOD.
Associate Professors: STEVENS, TYLER. Assistant Professors: EISERER, LANGSTON, MASSEY.
Fellow: STAEBLE. Visiting Faculty: BENNETT, BRACKEN, CONNER, DeBERNARDIS, GATES, GRIM, LOGSDON, STROMBERG, WOOD.

- Ed 311. **Secondary Education.** 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; consideration of its aims, program, functions, and characteristics. MTuWF, 9:00. 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. MTuWF, 2:00. 3 Education. Kambly.
- Ed 316. **Oregon School Law and System of Education.** 2 hours.
Analysis of the Oregon school system and of the laws on which the system is based. Problems of Oregon schools, plans proposed for their solution, and trends in educational development in the state. Prerequisite: Ed 311. MWF, 8:00. 4 Education. Staehle.
- Ed 408s. **Special Teaching Methods in Speech.** 4 hours.
MTuWThF, 8:00. 214 Villard. McCall.
- Ed 409. **Psycho-Education Clinic.** (G) 4 hours.
Application of diagnostic and remedial techniques in the instruction of selected reading-disability cases. MTuWThF, 10:00-12:00. U. H. S., Art Room. Killgallon.
- 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. MTuWThF, 2:00-4:00. U. H. S., Music Room. DeBernardis.

- Ed 461. **Adolescence: Growth and Development of the Individual.** (G) 3 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. MTuWTh, 9:00. 207 Chapman. Stromberg.
- Ed 465. **Diagnostic and Remedial Techniques.** (G) 4 hours.
Principles, methods, and materials of diagnostic and remedial teaching in the basic school subjects. Opportunity for observation and practice in the clinic school. MTuWThF, 9:00. U. H. S., Art Room. Killgallon.
- Ed 503. **Thesis.** Hours to be arranged.
- Ed 505. **Reading and Conference.** Hours to be arranged.
- Ed 507. **Seminar in Science.** 4 hours.
Selection of areas of instruction in science; science units, techniques of instruction for both elementary- and secondary-school science; materials for science teaching. Open to all persons interested in the teaching or supervision of science in elementary or secondary schools. MTuWThF, 1:00. 3 Education. Kambly.
- Ed 512. **Research Procedures and Thesis Writing.** 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. MTuWThF, 12:00. 4 Education. H. Wood.
- Ed 515, 516. **Educational Statistics.** 3 hours.
Technique in quantitative and experimental methods. Calculus not required. Prerequisite: graduate standing. MTuWF, 8:00. 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. MTuWThF, 11:00. 4 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. MTuWThF, 10:00. 4 Education. Gates.
- Ed 524. **Measurement in Education.** 4 hours.
Characteristics and desirable uses of various tests and scales for measuring student achievement. Construction of achievement tests. Such elements of statistical method taught as are necessary for intelligent use of tests. MTuWThF, 3:00. 3 Education. Tyler.
- Ed 525. **Pupil Personnel Work.** 4 hours.
Nature and causes of problems in adolescent development and adjustment; procedures and techniques in case work; organization of personnel work; the qualifications, training, and duties of personnel officers. MTuWThF, 1:00. 4 Education. Logsdon.
- 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 and research. MTuWThF, 11:00. 2 Education. Eiserer.

Ed 527s. High-School Administration. 4 hours.

The organization and operation of a secondary school, analyzed in terms of the evaluative criteria and other standards. Points emphasized include: developing a school philosophy, studying community and student needs, formulating school objectives, planning the educational program, evaluating the plant and staff, analyzing administrative functions and procedures, and evaluating outcomes—all leading to plans for school improvement. The techniques of evaluation by the local staff and by visiting committees will be explained. The course is planned for both teachers and administrators. MTuWThF, 8:00. 3 Education. Gates.

Ed 543. History of American Education. 4 hours.

The intellectual development of the United States, with special reference to education. Open to seniors on consent of instructor. Prerequisite: knowledge of American history. MTuWThF, 11:00. 207 Chapman. Clark.

Ed 551s. Elementary-School Administration. 4 hours.

(Second four weeks.) The major topics to be considered are: problems related to the elementary-school principalship, such as professional preparation, selection, and status of the principal; his relation to other administrative officers; administrative problems of attendance, discipline, health, and accounting; administration of special activities within a school; and application of experience and sound principles to the improvement of teaching. Attention given to problems presented by members of the class as the outgrowth of their experience. MTuWThF, 10:00-12:00. U. H. S., Music Room. W. Wood.

Ed 552. Organization of Elementary Schools. 4 hours.

A comprehensive survey of the development, responsibilities, and opportunities in elementary schools. The sociological, psychological, and philosophical implications for the organization of elementary-school activities. Intended for mature persons who plan a career in elementary education. MTuWThF, 10:00. 2 Education. Langston.

Ed 553. Curriculum of the Elementary Schools. 4 hours.

A systematic study of the elementary-school curriculum with a view to its improvement. Intended for mature teachers and school administrators who plan a career in elementary education. MTuWThF, 9:00. 2 Education. Langston.

Ed 561. Advanced Educational Psychology. 4 hours.

Review of some modern viewpoints in educational psychology; discussion of useful experimental material. MTuWThF, 1:00. 2 Education. Eiserer.

Ed 572. Basic Course in School Organization. 4 hours.

(First four weeks.) 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, Ed 312, Ed 313, or teaching experience. MTuWThF, 1:00-3:00. 4 U. H. S. Conner.

Ed 573. Basic Course in School Administration. 4 hours.

(First four weeks.) 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, Ed 312, Ed 313, or teaching experience. MTuWThF, 10:00-12:00. U. H. S., Music Room. Bennett.

Ed 574. Basic Course in Supervision. 4 hours.

(Second four weeks.) 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. Pre-

requisite: Ed 311, Ed 312, Ed 313, or teaching experience. MTuWThF, 1:00-3:00. 4 U. H. S. Bracken.

Ed 575. School Buildings and Their Financing. 4 hours.

A study of the problems in planning, constructing, maintaining, and operating school buildings. Financing building costs, relation to theories of school support and to school costs. Prerequisite: Ed 311, Ed 312, Ed 313, or teaching experience. MTuWThF, 8:00. 2 Education. Huffaker.

Ed 582. Curriculum Survey. 4 hours.

(First four weeks.) 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. MTuWThF, 2:00-4:00. U. H. S., Music Room. Grim.

Ed 586. Philosophy of Education. 4 hours.

Study of the fundamental principles and problems underlying American educational practice. Evaluation of various points of view as expressed in the writings of leading educators. MTuWThF, 2:00-4:00. 2 U. H. S. Stevens.

ENGLISH

Professors: HORN, LESCH, MOLL, SOUERS. Associate Professors: BLACK, McCLOSKEY. Assistant Professors: KITTOE, MILLS, MUNDLE. Instructor: OSWALD. Visiting Faculty: HAIGHT.

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

From *Beowulf* to Milton. MTuWTh, 9:00. 6 Friendly. Mundle.

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

From Milton to Byron. MTuWTh, 8:00. 6 Friendly. Mundle.

Eng 103. Survey of English Literature (Third Term). 3 hours.

From Byron to the end of the nineteenth century. MTuWTh, 9:00. 20 Friendly. Black.

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

The fundamentals of English composition. MTuWTh, 11:00. 111 Friendly. Oswald.

Rht 112. English Composition (Second Term). 3 hours.

Continuation of Rht 111. MTuWTh, 10:00. 111 Friendly. Oswald.

Rht 113. English Composition (Third Term). 3 hours.

Continuation of Rht 112. MTuWTh, 10:00. 108 Friendly. Kittoe. MTuWTh, 11:00. 108 Friendly. Mundle.

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

A Midsummer Night's Dream; Romeo and Juliet; Merchant of Venice; Richard II; Henry IV, Part I; Henry IV, Part II; Henry V. MTuWTh, 8:00. 7 Commerce. Oswald.

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

Much Ado About Nothing; As You Like It; Twelfth Night; Julius Caesar; Hamlet; Othello. MTuWTh, 10:00. 6 Friendly. Souers.

Eng 203. Shakespeare (Third Term). 3 hours.

King Lear; Macbeth; Antony and Cleopatra; Coriolanus; and either *The Winter's Tale, Cymbeline, or The Tempest.* MTuWTh, 11:00. 20 Friendly. McCloskey.

Rht 217. Business English. 3 hours.

Modern practices in business correspondence, primarily for students of busi-

ness administration. Analysis and writing of the principal types of correspondence. Prerequisite: Rht 111, 112, 113. MTuWTh, 9:00. 108 Friendly. Kittoe.

- Eng 261. **Survey of American Literature (First Term)**. 3 hours.
From the colonial beginnings to Poe and Hawthorne. Two consecutive terms required to satisfy the high-school teaching-field requirement in English. MTuWTh, 8:00. 20 Friendly. Mills.
- Eng 263. **Survey of American Literature (Third Term)**. 3 hours.
From Howells to recent times. MTuWTh, 1:00. 20 Friendly. Mills.
- Eng 296. **Twentieth-Century Literature (Third Term)**. 3 hours.
Study of the work of some of the more important contemporary writers of England and America. MTuWTh, 10:00. 20 Friendly. Moll.
- Rht 311. **Advanced Short Story Writing (First Term)**. 3 hours.
For students interested in creative writing. Time to be arranged. Moll.
- Eng 315. **Comedy**. 3 hours.
The comic view in nondramatic forms, as well as in the stage tradition. Main emphasis on English masters, but with attention also to classical and continental writers. Principal theories of the comic and of the corresponding literary forms and types. MTuWTh, 8:00. 18 Friendly. Horn.
- Rht 324. **English Composition for Teachers**. 3 hours.
For students expecting to teach English in high schools. Practice in writing and a review of the rules of composition. Prerequisite: Rht 111, 112, 113. MTuWTh, 2:00. 14 Friendly. Mills.
- Eng 403. **Thesis for Honors Candidates**. Hours to be arranged.
- Eng 405. **Reading and Conference**. Hours to be arranged.
Prerequisite: approval by the head of the department.
- Eng 413. **English Drama (Third Term)**. (G) 3 hours.
Contemporary drama. MTuWTh, 11:00. 18 Friendly. Horn.
- Eng 422s. **Types of Prose Fiction: English Novel (First Term)**. (G) 3 hours.
The novel in its formative period, with attention to the picaresque story, the novel of manners, sentimentalism, Gothicism, and historical romance. MTuWTh, 11:00. 120 Friendly. Black.
- Eng 428. **Chaucer**. (G) 3 hours.
MTuWTh, 8:00. 120 Friendly. Souets.
- Eng 440. **Seventeenth-Century Literature (First Term)**. (G) 3 hours.
Prose and poetry from Jonson to Dryden, studied in relation to the trends of thought and feeling which characterize the century. First term: prose and poetry of the Jacobean and Caroline periods. MTuWTh, 1:00. 108 Friendly. Black.
- Eng 460. **The Romantic Poets (First Term)**. (G) 3 hours.
Wordsworth and Coleridge. MTuWTh, 10:00. 14 Friendly. Lesch.
- Eng 477. **Literary Foundations of American Life (Third Term)**. (G) 3 hours.
Authors whose writings have largely given shape to American thought. Third term: Melville, Boker, Parkman, Whittier, Hawthorne, Lowell, Holmes, Longfellow. Required of all majors in American literature who have not taken Eng 261, 262, 263. MTuWTh, 9:00. 14 Friendly. Haight.
- Eng 479. **American Literature from 1870 to the Present (Second Term)**. (G) 3 hours.
Authors whose writings have largely given shape to American thought. Sec-

ond term: Howells, James, Garland, Crane, Bierce, Drieser, Anderson, Mencken, Robinson, Masters, Sandburg, Cather. MTuWTh, 1:00. 111 Friendly. McCloskey.

- Eng 482. **Major American Writers: The Romantic Idealists (Second Term)**. (G) 3 hours.
Hawthorne and Melville. MTuWTh, 2:00. 108 Friendly. McCloskey.
- Eng 501. **Research**. Hours to be arranged.
- Eng 503. **Thesis**. Hours to be arranged.
- Eng 507. **Seminar: Studies in Prose Fiction**. Hours to be arranged.
Haight.
- Eng 507. **Seminar: Studies in Jonathan Swift**. Hours to be arranged.
Horn.

FOREIGN LANGUAGES

Professors: DOUGHERTY, KREMER. Associate Professor: VARGAS-BARÓN.
Instructors: KRAFT, OTTENBACHER, WAWRZYŃIAK.

FRENCH

- *RL 1, 2. **First-Year French**. 8 hours.
Translation, grammar, and oral drill. Equivalent of the first two terms of first-year French given during the regular academic year. MTuWThF, 8:00-10:00. 120 Friendly. Wawrzyński.
- *RL 4, 5. **Second-Year French**. 8 hours.
Review of grammar, composition, and conversation; translation of modern French authors. Equivalent of the first two terms of Second-Year French given during the regular academic year. Prerequisite: one year of college French or equivalent. MTuWThF, 8:00-10:00. 111 Friendly. Dougherty.
- RL 505. **Reading and Conference**. 3 hours.
Advanced studies in French literature for graduate students, teachers, or undergraduates eligible for honors work. Time to be arranged. 116 Friendly. Dougherty.

GERMAN

- *GL 1, 2. **First-Year German**. 8 hours.
The fundamentals of grammar, oral drill, translation of prose selections. Recommended to students who wish to acquire a reading knowledge of German. MTuWThF, 8:00-10:00. 122 Friendly. Ottenbacher.
- GL 320, 321. **Scientific German**. 6 hours.
Reading of representative texts in the various sciences. Equivalent of the first two terms of Scientific German given during the regular academic year. Open to students who have completed two years of college German, or who have finished the first-year course with a grade of A or B. MTuWThF, 8:00; three additional hours to be arranged. 109 Friendly. Kremer.
- GL 334, 335. **German Conversation and Composition**. 4 hours.
Drill in oral and written expression; vocabulary exercises, dictation, extemporaneous conversation. Conducted in German. Equivalent of the first two terms of German Conversation and Composition given during the regular academic year. Prerequisite: two years of college German or equivalent. MTuWThF, 11:00. 122 Friendly. Ottenbacher.

* 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.

SPANISH

- *RL 11, 12. **First-Year Spanish.** 8 hours.
Translation, grammar, and oral drill. Equivalent of the first two terms of First-Year Spanish given during the regular academic year. MTuWThF, 8:00-10:00. 207 Friendly. Kraft.
- †RL 14, 15. **Second-Year Spanish.** 8 hours.
Review of grammar, composition, and conversation; translation of modern Spanish authors. Equivalent of the first two terms of Second-Year Spanish given during the regular academic year. Prerequisite: one year of college Spanish or the equivalent. MTuWThF, 8:00-10:00. 212 Friendly. Vargas-Barón.
- RL 505. **Reading and Conference.** 3 hours.
Advanced studies in Spanish or Spanish literature for graduate students, teachers, and undergraduates eligible for honors work. Hours to be arranged. 212 Friendly. Vargas-Barón.

GEOGRAPHY

Professor: DICKEN.

- Geo 426. **Geography of Europe.** (G) 4 hours.
Some of the special problems of Europe today studied in the light of the geographic background of the continent. Prerequisite: Geo 105, 106 or consent of instructor. MTuWThF, 10:00. 101 Condon. Dicken.
- Geo 429. **Geography of North America.** (G) 4 hours.
Regional geography of the continent north of Mexico. Prerequisite: Geo 105, 106 or consent of instructor. MTuWThF, 11:00. 2 Oregon. Dicken.
- Geo 505. **Reading and Conference.** Hours to be arranged.
Dicken.

GEOLOGY

Associate Professor: STAPLES. Assistant Professor: BALDWIN.

- G 406. **Advanced Field Geology.** 9 hours.
(Six weeks.) Geological field work in selected parts of Oregon. The time will be divided between a study of the igneous and sedimentary geology in the vicinity of Ashwood, Oregon and a study of sedimentary geology in the vicinity of Coos Bay, Oregon. Prerequisite: G 314, G 383, G 393, and consent of instructor. Baldwin, Staples.
- G 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 instructor. Baldwin, Staples.

HISTORY

Professors: CLARK, GANOE. Associate Professor: BREEN. Assistant Professors: SMITH, SORENSON. Teaching Fellow: SPAID. Visiting Faculty: FISHER.

- Hst 202s. **History of the United States.** 4 hours.
General social, political, economic, and military developments, and foreign affairs, 1840-1896. Second term of year sequence. May be taken concurrently with Hst 203s. MTuWThF, 8:00. 105 Oregon. Spaid.

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

† Students who complete RL 3, 4 or RL 14, 15 with a grade of A or B may enter third-year courses in French or Spanish in the fall term.

- Hst 203s. **History of the United States.** 4 hours.
Political, economic, and social history since 1896; the United States as a world power. Third term of year sequence. May be taken concurrently with Hst 202s. MTuWThF, 11:00. 4 Oregon. Sorenson.
- Hst 343s. **Europe Since 1815.** 4 hours.
Third term of year sequence. Europe since 1913. MTuWThF, 10:00. 107 Oregon. Fisher.
- Hst 377. **Oregon History.** 2 hours.
Brief survey of the building of civilization in the Oregon country. MWF, 2:00. 5 Oregon. Ganoe.
- Hst 405. **Reading and Conference.** 1 to 3 hours.
Individual conferences on reading in a special field, with a written report or examination. Open only to students eligible for honors.
- Hst 420. **Historical Method.** (G) 2 hours.
Introduction to the method of historical research and history writing. TuTh, 2:00. 5 Oregon. Ganoe.
- Hst 431s. **Renaissance.** (G) 4 hours.
Northern European phases of the Renaissance. MTuWThF, 11:00. 5 Oregon. Breen.
- Hst 439s. **Social and Economic History of Modern Europe.** (G) 4 hours.
European economic development and its effects on society since 1850; the concentration of industry. MTuWThF, 9:00. 5 Oregon. Sorenson.
- Hst. 499s. **Soviet Union.** (G) 4 hours.
The revolutions of 1905 and 1917 and the Soviet Union since 1917. MTuWThF, 9:00. 4 Oregon. Fisher.
- Hst 463s. **British Dominions.** (G) 4 hours
History of Canada from discovery to present. MTuWThF, 9:00. 2 Oregon. Smith.
- Hst 469s. **Recent England.** (G) 4 hours.
Recent social, political, and economic changes in England. MTuWThF, 11:00. 107 Oregon. Smith.
- Hst 479s. **Forces and Influences in American History.** (G) 4 hours.
Geographic influences; influence of the frontier; inheritance and tradition; economic forces; nationalism; sectionalism; manifest destiny; political parties. MTuWThF, 10:00. 4 Oregon. Clark.
- Hst 488s. **American Economic History.** (G) 4 hours.
Economic development of the United States during the middle period. MTuWThF, 10:00. 5 Oregon. Ganoe.
- Hst 501. **Research.** Hours to be arranged.
- Hst 503. **Thesis.** Hours to be arranged.
- Hst 505. **Reading and Conference.** Hours to be arranged.

JOURNALISM

Professors: CAMPBELL, WEIGLE. Visiting Faculty: SMITH.

- J 401. **Research.** Hours to be arranged.
- J 421. **Articles and Features.** (G) 3 hours.
Writing magazine and Sunday articles. Literary markets. The use of photographs, drawings, diagrams, maps, etc. Students are expected to sell some of

their products. Prerequisite: J 331 or consent of instructor. MTuWTh, 10:00. 104 Journalism. Campbell.

J 427. Law of the Press. (G) 3 hours.

Libel, right of privacy, contempt of court, literary property (including copyright), constitutional guarantee of freedom of the press, Federal regulations; other phases of law bearing on the press. MTuWTh, 1:00. 104 Journalism. Smith.

J 428. History of Journalism. (G) 3 hours.

The newspaper, its forerunners, and other communications agencies during the last three hundred years, in relation to their economic, social, and political background. MTuWTh, 9:00. 104 Journalism. Weigle.

J 429. Journalism and Public Opinion. (G) 3 hours.

Influence of opinion by newspapers, magazines, and radio; sociological, political, and psychological principles involved. Smith.

J 435s. Newspaper Desk Work. 3 hours.

Laboratory practice in reporting, editing, and headline writing. Class members serve as the editorial staff of the *Summer Sun*. Time to be arranged. Campbell.

J 459s. Principles of Journalism. (G) 3 hours.

A study of the teacher's role in guiding student publications, teaching pre-professional journalism courses, and handling publicity in schools and junior colleges. MTuWTh, 11:00. 103 Journalism. Campbell.

J 503. Thesis. Hours to be arranged.

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

LIBRARY METHODS

Visiting Faculty: HATCH.

Lib 384. School Library Administration. 3 hours.

Planned for school administrators as well as librarians; special emphasis on the place of the library in the instructional program. Problems of support and control; housing and equipment; training of assistants; library-study hall relationships; public relations; standards and evaluation. MTuWTh, 9:00. U. H. S., Library.

Lib 386. Acquisition and Organization of Library Materials. 3 hours.

Instruction and practice in simplified procedures for the acquisition, preparation, cataloging, classification, and circulation of books and related library materials. MTuWF, 1:00. U. H. S., Library.

Lib 388. Books and Related Library Materials for Young People. 3 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. Considerable emphasis on the library as an information laboratory. MTuThF, 11:00. U. H. S., Library.

MATHEMATICS

Professor: MOURBUND. Associate Professors: GHENT, NIVEN. Assistant Professors: CIVIN, MASSEY. Instructor: SHEPHERD. Assistant: KIRSCH.

Upper-division and graduate courses offered by the Department of Mathematics during the summer session differ somewhat from those listed in the regular Catalog. Usually, however, the needs of all students can be met. Regular-session

students should consult the head of the department when planning their programs.

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

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

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

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

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

It is the intention of the department to offer four of the six terms of work each summer; the courses are selected in such a manner that the student may complete two sequences in at most three summers and three sequences in at most four summers. Mth 479s, Mth 489s, Mth 499s, and Mth 589s are being offered in the 1949 summer session; Mth 479s, Mth 489s, Mth 579s, and Mth 599s in 1950; Mth 479s, Mth 489s, Mth 499s, and Mth 589s in 1951.

Mth 10. Elements of Algebra. 3 hours.

Intended for students who have had less than one year of high-school algebra. MTuWF, 8:00. 204 Deady.

Mth 100. Intermediate Algebra. 4 hours.

Intended for students who have had only one year of high-school algebra, or who have not had algebra for some time. MTuWThF, 8:00. 205 Deady.

Mth 105. College Algebra. 4 hours.

Prerequisite: Mth 100 or one and one-half years of high-school algebra. MTuWThF, 8:00. 2 Oregon.

Mth 106. Plane Trigonometry. 4 hours.

Prerequisite: Mth 105 or consent of the department. MTuWThF, 10:00. 2 Oregon.

Mth 108. Mathematics of Finance. 4 hours.

A standard course in the mathematics of investment. Prerequisite: college algebra or consent of department. MTuWThF, 8:00. 4 Oregon.

Mth 200. Analytical Geometry. 4 hours.

Intended to prepare students for the study of calculus, statistics, and more advanced mathematics courses. MTuWThF, 11:00. 205 Deady.

Mth 202. Integral Calculus. 4 hours.

Standard course in integral calculus. Prerequisite: differential calculus. MTuWThF, 10:00. 160 Emerald.

Mth 203. Differential and Integral Calculus. 4 hours.

The regular third term of calculus. Prerequisite: two terms of calculus. MTuWThF, 10:00. 205 Deady.

Mth 313. Calculus. 4 hours.

Same as Mth 203, but open only to upper-division students. MTuWThF, 10:00. 205 Deady.

Mth 325s. Elements of Statistical Methods. 3 hours.

An introductory course in statistics. Computing machines are available for student use. Integrated with Ed 515. Prerequisite: consent of the department. MTuWF, 8:00. 160 Emerald. Massey.

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

Topics selected to meet the needs of upper-division students. Open only to students who have a GPA of 2.75 or above.

Mth 479s. Algebra (g) 3 hours.

Intended primarily for high-school mathematics teachers. Number systems, Euclid's algorithm, theory upon which algebraic operations taught in high school are based, other selected topics. Prerequisite: analytical geometry. MTuWF, 9:00. 204 Deady. Civin.

Mth 489s. Geometry. (g) 3 hours.

Intended primarily for high-school mathematics teachers. Geometry before 1800 A.D., Euclidean geometry after Euclid, theorems of Euclidean geometry which connect it with projective geometry, properties of the circle. Prerequisite: analytical geometry. MTuWF, 11:00. 204 Deady. Ghent.

Mth 499s. Foundations of Mathematics. (g) 3 hours.

Intended primarily for mathematics teachers. Historical development of mathematical principles; operations with numbers and polynomials in various systems; notion of limit and applications; the nature of mathematics, mathematical literature. Prerequisite: analytical geometry. MTuWF, 10:00. 204 Deady. Ghent.

Mth 503. Thesis. Hours to be arranged.**Mth 505. Reading and Conference. Hours to be arranged.****Mth 507. Seminar: Selected Topics. 3-4 hours.**

Topics selected from pure mathematics to meet the needs of the students. Prerequisite: consent of the department. MTuThF, 9:00. 205 Deady. Moursund, Niven.

Mth 507. Seminar: Applied Mathematics. 3-4 hours.

Topics selected to meet the needs of students in the physical sciences. Prerequisite: calculus. MTuWThF, 11:00. 160 Emerald. Massey.

Mth 533. Fourier Series. 3-4 hours.

Elements of the theory of convergence and summability of Fourier series. Prerequisite: consent of instructor. Time to be arranged. Civin.

Mth 589s. Geometry. 3 hours.

Intended primarily for teachers. Advanced theory of geometric constructions, non-Euclidean geometry, projective geometry, historical development of geometry since 1800. Prerequisite: analytical geometry and consent of instructor. MTuWF, 8:00. 213 Deady. Ghent.

MUSIC

Professor: KRATT. Associate Professors: CYKLER, ELSTON, STEHN. Assistant Professors: ALLTON, BOUGHTON, GREEN, VANDERWICKEN. Instructors: DIETERICH, MILLER, WARNER. Visiting Faculty: TIPTON.

Mus 128. Introduction to Music Literature. 2 hours.

A nontechnical study of the development of music, stressing the elements of musical understanding; study of representative compositions, with emphasis on their musical and historical significance. MWF, 9:00. Music Auditorium. Cykler.

Mus 195. Band. 1 hour.

MTuThF, 2:00. Music Auditorium. Boughton.

Mus 196. Orchestra. 1 hour.

MTuThF, 3:00. Music Auditorium. Boughton.

Mus 197. Choral Union. 1 hour.

MTuThF, 1:00. Music Auditorium. Vanderwicken.

Mus 317. Public-School Music. 3 hours.

For students intending to teach music in the high schools. Study of work units, with emphasis on social and creative phases. Survey of methods and materials used in the grades, as a necessary background for the presentation of music in the high school. MTuThF, 10:00. 100 Music. Tipton.

Mus 324. Choral Conducting. 2 hours.

The principles of conducting and training choral organizations. Practical experience in conducting campus organizations. MWF, 2:00. 100 Music. Tipton, Vanderwicken.

Mus 333. Stringed Instruments. 1 hour.

A study of the stringed instruments of the symphony orchestra. For public-school music students. MWF, 10:00. 113 Music. Cykler.

Mus 395. Band. 1 hour.

MTuThF, 2:00. Music Auditorium. Boughton.

Mus 396. Orchestra. 1 hour.

MTuThF, 3:00. Music Auditorium. Boughton.

Mus 397. Choral Union. 1 hour.

MTuThF, 1:00. Music Auditorium. Vanderwicken.

Mus 405. Reading and Conference. Hours to be arranged.**Mus 407. Seminar: Composition Workshop. (G) 3 hours.**

Composition in various forms for qualified students. Student work will be performed in class and in public. MTuThF, 2:00. 106 Music. Elston.

Mus 407. Seminar: Special Problems in Vocal School Music. (G) 3 hours.

MTuWF, 9:00. 100 Music. Tipton.

Mus 407. Seminar: Advanced Problems in Wind Instruments. (G) 3 hours.

MTuWF, 1:00. 102 Music. Stehn.

Mus 407. Seminar: Special Problems in Piano Pedagogy. (G) 3 hours.

For teachers of piano. Devoted to discussion, evaluation, and demonstration of problems involved in performing and teaching the representative works in piano literature. MTuWF, 10:00. 109 Music. Green.

Mus 425. Special Periods in Music History. 2 hours.

MWF, 8:00. 106 Music. Cykler.

Mus 433. Advanced Conducting. (G) 3 hours.

The routine and technique of conducting. Problems of the symphony orchestra and choral groups. Score reading. Prerequisite: consent of instructor. MTuWF, 9:00. 113 Music. Boughton.

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

A course designed primarily for school orchestra, band, and choral directors; a practical study of such problems of harmony, form, and structure, counterpoint, rhythm, and intonation as they are usually encountered in the music performed by high-school organizations. Prerequisite: experience as an orchestra, band, or choral director. This course may be taken toward the degree of Master of Science in General Studies. It may not be taken toward a music degree. MTuThF, 11:00. 104 Music. Elston.

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

Continuation of Mus 434. MTuThF, 1:00. 104 Music. Elston.

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

Mus 529. **Choral Literature for Secondary Schools.** 3 hours.

MTuThF, 3:00. 100 Music. Tipton.

Mus 532. **Instrumental Literature for Secondary Schools.** 3 hours.

MTuThF, 10:00. 113 Music. Boughton, Stehn.

APPLIED MUSIC

Mus 190. **Lower-Division Individual Instruction.** 1 to 2 hours.

Mus 390. **Upper-Division Individual Instruction.** 1 to 2 hours.

Mus 590. **Individual Instruction.** 2 to 4 hours.

Private lessons in piano, violin, 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

A three-week summer session for high-school students in orchestral and band instruments, vocal music, and piano will be held on the campus from June 27 to July 15. Observation of the rehearsals of the high-school groups will be interesting and valuable to high-school music teachers.

PHILOSOPHY

Associate Professor: JESSUP.

Phl 201. **Introduction to Philosophy.** 3 hours.

An elementary study of logic and theory of knowledge. MTuWF, 9:00. 202 Chapman. Jessup.

Phl 351. **Contemporary Philosophy.** 3 hours.

Study of current philosophical thought from the works of John Dewey, George Santayana, Jean Paul Sartre, and others. No prerequisite, but not open to lower-division students. MTuWF, 11:00. 202 Chapman. Jessup.

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

For students who have had previous study of philosophy. Open only to students eligible for honors. Jessup.

Phl 421. **Aesthetics.** (G) 3 hours.

Analysis of aesthetic experience in art, music, literature, and nature in relation to other human values. Prerequisite: consent of instructor. MTuWF, 3:00. 202 Chapman. Jessup.

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

Jessup.

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

Jessup.

PHYSICAL EDUCATION

Professors: HOYMAN, LEIGHTON, WASEKE. Associate Professors: MOORHEAD, POLEY, SPANDE, WENTWORTH, WOODRUFF. Assistant Professors: AIKEN, SIGERSETH. Instructors: ATCHESON, BOWERMAN, INGRAM, OMLID, WARREN. Visiting Faculty: BUTTS, HAAR, RIDINGS.

SERVICE COURSES

PE 390. **Golf.** 1 hour.

Time to be arranged. Fee: \$10.00 to \$15.00. Laurelwood. Omlid.

PE 390. **Tennis.** 1 hour.

MWF, 8:00. Woodruff.

PE 390. **Swimming.** 1 hour.

MWF, 2:00.

*PE 390. **Training and Conditioning for Athletics.** 1 hour.

MWF, 11:00. Bowerman.

PE 390. **Relaxation and Body Mechanics.** 1 hour.

For men and women. A program of exercises adapted to fit the needs of each individual member of the class. Planned to be primarily of personal value to the teacher. Emphasis on posture and body mechanics and on improving the general physical status of the individual. Practice in techniques of relaxation. MWF, 3:00. Gerlinger, Corrective Gym. Poley.

PROFESSIONAL COURSES

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

PE 406. **Problems of Officiating Football.** 1 hour.

MW, 10:00. 114 Physical Education. Ingram.

PE 406. **Problems of Officiating Basketball.** 1 hour.

TuTh, 10:00. 114 Physical Education. Atcheson.

PE 411, 412, 413. **Physical-Education Workshop.** (g) 9 hours total credit.

A workshop for physical-education teachers in the public schools. Each teacher will receive instruction in activities and in methods, and each will work out and organize the complete program for his or her school. All work will be based on the Oregon physical-education manuals. The work will cover materials, methods, daily assignments, class activities, and evaluation or measurement. Each program will be adjusted to the conditions found in the particular school. All materials will be developed in terms of the objectives, standards, and purposes of the Oregon physical-education program. Open to men and women. Each student must enroll for 9 hours credit. Prerequisite: certification as a teacher or consent of instructor. MTuWThF, 8:00-12:00. Other times to be arranged. 101 Physical Education. Spande, Wentworth, Bowerman.

HE 411, 412, 413. **Health-Education Workshop.** (g) 9 hours total credit.

A workshop for health teachers in the public schools. Each teacher will work out and organize complete materials, methods, daily assignments, class activities, and evaluations for health teaching, prepared and adjusted to the particular school he represents. All work will be based on the manuals, *Health Instruction* and *Health Guide Units for Oregon Teachers*. HE 411 will cover the units on structure and functions of the human body, first aid and safety, choice and use of health services, and health products. HE 412 will cover the units on personal hygiene (includes effects of alcoholic drinks, stimulants, and narcotics), nutrition, community health, and sanitation. HE 413 will cover the units on physiology of exercise, communicable disease, noncommunicable disease, and mental health (including family-life education). Open to men and women. The student must enroll for all three divisions. Prerequisite: teacher's certification. MTuWThF, 8:00-12:00 and 2:00-4:00. 107 Physical Education. Moorhead.

*PE 450. **Football Coaching.** 2 hours.

Rules, systems of play, strategy, responsibilities of the coach, public relations, conference organization. MTuWThF, 2:00. McArthur Court. Aiken.

* 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 454. Basketball Coaching.** 2 hours.
Coaching methods and problems. Fundamentals of team play; comparison of systems; strategy; training; conditions; rules; officiating; selection of men for positions. MTuWThF, 10:00. McArthur Court. Warren.
- HE 463. Social Hygiene.** (g) 3 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. MTuW, 1:00; Th, 1:00-3:00. 122 Physical Education. Hoyman, Moorhead.
- HE 464. Health Instruction.** (g) 3 hours.
Methods and materials in health instruction for junior and senior high schools. Special emphasis on the construction of health teaching units for secondary schools. Prerequisite: PE 361, 362, 363 or consent of instructor. TuWThF, 8:00. 122 Physical Education. Hoyman.
- PE 471. Human Anatomy.** 3 hours.
Gross anatomy; the skeletal and muscular structure, the circulatory, respiratory, digestive, and neural systems, and their functioning in physical activities. Prerequisite: two years of biology, senior standing. MTuWTh, 8:00. 114 Physical Education. Sigerseth.
- PE 472. Kinesiology.** 3 hours.
Body mechanics, applied to calisthenics, gymnastics, and athletics. Prerequisite: PE 471. TuWThF, 9:00. 114 Physical Education. Sigerseth.
- PE 473. Physiology of Exercise.** 3 hours.
Physiological effects of muscular exercise, physical conditioning, and training. Significance of these effects for health and for performance in activity programs. Prerequisite: PE 472 or consent of instructor. MTuWTh, 11:00. 114 Physical Education. Sigerseth.
- PE 499. Community Recreation.** 3 hours.
Theories of play; basic individual and social needs for group recreation; nature and functions of recreation; principles of program and personnel organization. MTuWThF, 2:00. 114 Physical Education. Washke.
- PE 501. Research.** Hours to be arranged.
Woodruff, Poley, Sigerseth, Leighton.
- HE 501. Research.** Hours to be arranged.
Hoyman.
- PE 503. Thesis.** Hours to be arranged.
Woodruff, Poley, Sigerseth, Leighton.
- HE 503. Thesis.** Hours to be arranged.
Hoyman.
- PE or HE 506. Special Problems.** Hours to be arranged.
Individual study of a problem important to and chosen by the student. Problems of programming, adaptation of facilities, teaching problems, etc. Time to be arranged. Prerequisite: consent of instructor.
- PE 506. Special Problems of Individual Activities.** 3 hours.
Instruction in apparatus and tumbling skills, with emphasis on the methods, materials, nomenclature, and criteria for selection of skills in these activities to fit the various grade levels of instruction. Prerequisite: consent of instructor. MTuWThF, 1:00-3:00. Men's Gym. Haar.
- PE 506. Special Problems of Individual Activities.** 3 hours.
Instruction in aquatics, with emphasis on methods and materials, nomenclature, etc.; selection of skills in these activities to fit various grade levels of instruction. Evaluation of current procedures for competition. Prerequisite: consent of instructor. MTuWThF, 9:00-11:00. Haar.

* See note (*), page 35.

- PE 506. Sports Workshop.** 3 hours.
Special problems of practical experience, teaching methods, and officiating in four sports selected from the following: basketball, volleyball, soccer, speedball, field hockey, tennis, badminton, golf. Prerequisite: teaching experience in physical-education activities; consent of instructor. MTuWTh, 1:00-3:00. Gerlinger. Woodruff.
- PE 506. Problems of Administrating Buildings and Facilities (Women).** 3 hours.
The organization and administration of building space, of equipment, and of clothing for women's physical-education programs. Purchase and care of equipment and clothing, methods of issuing, etc. MTuWTh, 4:00. 121 Gerlinger. Woodruff.
- PE 506. Special Problems of Materials and Methods of Folk Dancing.** 3 hours.
For advanced students. 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 programs. Special emphasis on teaching procedures directed to the achievement of objectives. For men and women. Prerequisite: consent of instructor. MTuWTh, 10:00. Gerlinger. Wentworth.
- PE 507. Seminar.** 3 hours.
Fundamentals of body movement, development, and body skills. The organization of programs and classes in fundamentals for women. Prerequisite: consent of instructor. TuWThF, 9:00. 121 Gerlinger. Woodruff.
- PE 507. Seminar in Current Movements.** 3 hours.
An analysis of recent interpretations of the functions and purposes of physical education. Study of different types of programs involved in recent trends in physical education. Adapted particularly to the needs of college teachers, supervisors, and administrators of physical education. MTuWTh, 4:00. Washke.
- PE 507. Seminar in Measurement and Evaluation.** 3 hours.
A study of the methods and purposes of measurement in physical education, their use, and their function in instruction and in research. Prerequisite: consent of instructor. MTuWTh, 10:00. 114 Physical Education. Leighton.
- PE 507. Seminar in Basic Principles of Body Mechanics.** 3 hours.
An investigation into the mechanical and physiological principles basic to the effective use of the body, and their application in everyday activities such as walking, running, lifting, carrying, etc., and in certain sport and dance activities. Prerequisite: consent of instructor. TuWThF, 2:00. 121 Gerlinger. Poley.
- PE 507. Seminar in Techniques of Relaxation.** 3 or 4 hours.
A study of the common causes of fatigue and neuromuscular hypertension, and methods of combatting them. Theories underlying techniques of relaxation. Individual practice in relaxation. Methods of teaching techniques of relaxation; application of these techniques in daily living and in activities. Prerequisite: consent of instructor. MTuWTh, 11:00. 121 Gerlinger. Poley.
- HE 507. Seminar: Common Health Problems.** 3 hours.
The identification and study of major and minor health problems common to school children and adult groups in Oregon and the United States. Particularly adapted to needs of health, science, and physical-education teachers and of

school nurses and school administrators. TuWThF, 8:00. 122 Physical Education. Hoyman.

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

The history of physical education from the Greeks to modern times. Special emphasis on modern developments, and on current professional organization and relationships. TuWThF, 3:00. 122 Physical Education. Washke.

PE 516. Intramural Organization and Management. 3 hours.

Nature and purposes of intramural programs; history of their development. Departmental organization. Relation to the physical-education program. Administrative problems. Scope of the programs. Financing, supervision, and direction. MTuWTh, 1:00. 114 Physical Education. Haar.

PE 556. Administration of Buildings and Facilities. 3 hours.

Building layout and equipment; the relationship of the various functional units—equipment service, dressing facilities, activity spaces, administrative units, permanent and dismantlable equipment. Construction and care of fields, track, etc. TuWThF, 4:00. 114 Physical Education. Washke.

PE 562. Anthropometric Measurements in Physical Education. 3 hours.

Principles and methods of anthropometry as applied to physical growth and development. Instruments and techniques of measurement; methods of appraising physical status; review and analysis of recent research. MTuWTh, 9:00. Gerlinger, Corrective Gym. Poley.

PE 571. Affective Phases of Education. 3 hours.

The nature of appreciations, attitudes, and ideals. Their significance as factors of the personality, and for social intelligence and social integration. Methods of developing these personality factors. MTuWTh, 11:00. 122 Physical Education. Leighton.

COACHING SCHOOL

A special coaching school in football and basketball will be conducted from June 27 to July 10. From June 27 to July 2, the football division will be conducted by "Wally" Butts, head football coach at the University of Georgia, and the basketball division will be conducted by John Warren, head basketball coach at the University of Oregon. From July 5 to July 10 Gordon Ridings, head basketball coach at Columbia University, will conduct the basketball clinic and "Jim" Aiken, head football coach at the University of Oregon, will conduct the football division. A student may include the coaching school in his program of studies or the coaching school may be attended independently. The tuition for those enrolling independently is \$12.50. Students enrolled in the summer session may attend the coaching school without additional charge.

PHYSICS

Professors: **ELICKSON, NORRIS**. Associate Professors: **EBBIGHAUSEN, PAUL**.
Graduate Assistant: **CLAYTON**.

The courses in General Physics are identical with those offered in the regular year, and are the essential prerequisites for more advanced work; they are especially valuable to high-school teachers. Advanced General Physics is the same as the course offered during the regular academic year and should be taken by students who are contemplating teaching the physical sciences in high school.

Ph 201s. General Physics. 3 hours.

Mechanics, properties of matter and sound. This course with Ph 201L is the equivalent of Ph 201, first term of the regular sequence in General Physics.

Prerequisite: Mth 105, 106. Lectures, MTuWThF, 9:00-11:00, and 2:00-4:00 on days General Physics Laboratory does not meet. June 21 to July 7, inclusive. 103 Deady. Norris.

Ph 201L. General Physics Laboratory. 1 hour.

Designed to accompany Ph 201s. Laboratory fee, \$3.00. MWThF, 2:00-5:00. June 21 to July 7, inclusive. 101 Deady. Norris, Clayton.

Ph 202s. General Physics. 3 hours.

Heat and electricity. This course with Ph 202L is the equivalent of Ph 202, second term of the regular sequence in General Physics. Prerequisite: Ph 201s. Lectures, MTuWThF, 9:00-11:00 and 2:00-4:00 on days General Physics Laboratory does not meet. July 8 to July 26, inclusive. 103 Deady. Norris, Ebbighausen.

Ph 202L. General Physics Laboratory. 1 hour.

Designed to accompany Ph 202s. Laboratory fee, \$3.00. MWThF, 2:00-5:00. July 8 to July 26, inclusive. 101 Deady. Norris, Ebbighausen, Clayton.

Ph 203s. General Physics. 3 hours.

Light and electricity. This course with Ph 203L is the equivalent of Ph 203, third term of the regular sequence in General Physics. Prerequisite: Ph 201s, 202s. Lectures MTuWThF, 9:00-11:00, and 2:00-4:00 on days General Physics Laboratory does not meet. July 27 to August 12, inclusive. 103 Deady. Ebbighausen.

Ph 203L. General Physics Laboratory. 1 hour.

Designed to accompany Ph 203s. Laboratory fee, \$3.00. MWThF, 2:00-5:00. July 27 to August 11, inclusive. 101 Deady. Ebbighausen, Clayton.

Ph 411. Advanced General Physics. (g) 3 hours.

Intensive treatment of mechanics and heat. Prerequisite: general physics and calculus. Laboratory fee, \$3.00. Lectures, MTuWThF, 9:00; MTuTh, 1:00. Laboratory, MWThF, 2:00-5:00. June 21 to July 7, inclusive. 105 Deady. Paul.

Ph 412. Advanced General Physics. (g) 3 hours.

Intensive treatment of electricity. Prerequisite: general physics and calculus. Laboratory fee, \$3.00. Lectures, MTuWThF, 9:00; MTuTh, 1:00. Laboratory MWThF, 2:00-5:00. July 8 to July 26, inclusive. 105 Deady. Paul.

Ph 413. Advanced General Physics. (g) 3 hours.

Intensive treatment of light and modern physics. Prerequisites: general physics and calculus. Laboratory fee, \$3.00. Lectures, MTuWThF, 9:00; MTuTh, 1:00. Laboratory, MWThF, 2:00-5:00. July 7 to August 12, inclusive. 105 Deady. Paul.

Ph 503. Graduate Thesis. Hours to be arranged.

Ph 507. Seminar. Hours to be arranged.

Topic to be chosen after consultation with prospective students. Ellickson.

POLITICAL SCIENCE

Professors: **SCHLEICHER, SCHUMACHER**.

PS 201s. American Governments. 4 hours.

The United States Constitution; the plan and workings of the national government. MTuWThF, 11:00. 105 Oregon. Schumacher.

PS 326s. Comparative Government: British. 4 hours.

Organization and operations of the national government, with special attention to postwar policies. MTuWThF, 9:00. 107 Oregon. Schumacher.

- PS 405. **Reading and Conference.** Hours to be arranged.
Open only to students eligible for honors. Schleicher, Schumacher.
- PS 418. **World Politics.** (G) 4 hours.
Political and economic realities affecting international interdependence, conflict, and cooperation. MTuWThF, 9:00. 105 Oregon. Schleicher.
- PS 427s. **American Diplomacy.** (G) 4 hours.
Contemporary foreign relations of the United States. MTuWThF, 10:00. 105 Oregon. Schleicher.
- PS 503. **Thesis.** Hours to be arranged.
- PS 505. **Reading and Conference.** Hours to be arranged.

PSYCHOLOGY

Associate Professor: TYLER. Assistant Professor: LITTMAN. Visiting Faculty: STROMBERG.

- Psy 201. **General Psychology.** 3 hours.
Introductory study of behavior and conscious processes. Survey of experimental studies with reference to perceiving, learning, remembering, forgetting, and thinking. MTuWTh, 8:00. 301 Condon. Littman.
- Psy 204. **Psychology of Adjustment.** 3 hours.
The nature and origins of differences in personality; means of making desired changes. Prerequisite: Psy 201, 202. MTuWTh, 10:00. 301 Condon. Littman.
- Psy 208. **General Psychology Laboratory.** 1 hour.
Introduction to experimental methods. Laboratory work coordinated with Psy 201. Tu, 2:00-5:00. 301 Condon. Littman.
- Psy 210. **General Psychology Laboratory.** 1 hour.
Laboratory work coordinated with Psy 204. Th, 2:00-5:00. 301 Condon. Littman.
- Psy 412. **Adolescence: Growth and Development of the Individual.** (G) 3 hours.
(Same as Ed 461.) Study of the behavior changes characteristic of adolescence, and their significance in the development of satisfactory personal and social adjustments. MTuWTh, 9:00. 207 Chapman. Stromberg.
- Psy 431. **Clinical Methods.** (G) 3 hours.
Administering, scoring, and interpreting individual and group tests of intelligence, special aptitude, and personality. Essential statistical procedures. Training in diagnosis of actual cases. MWF, 1:00-3:00. 301 Condon. Tyler.
- Psy 433. **Counseling Procedures.** (G) 4 hours.
(Same as Ed 526.) Counseling problems of various types. Methods of interviewing for different purposes. Sources of vocational information. Diagnosis of individual cases. Evaluation of counseling programs. Prerequisite: Psy 431, 432, or equivalent. MTuWThF, 11:00. 2 Education. Eiserer.
- Psy 462, 463. **Industrial and Personnel Psychology.** (G) 4 hours.
Scientific study of human factors in industry. Psychological analysis of industrial efficiency, training programs, prevention of fatigue, monotony and accidents, problems of motivation and morale. Job analysis, measurement of proficiency, use of ratings, interviews, and psychological tests in placement and evaluation of service. Prerequisite: Mth 325, 326; or similar training in psychological measurement. MTuWThF, 11:00. 301 Condon. Stromberg.
- Psy 501. **Research.** Hours to be arranged.
Tyler.

- Psy 503. **Thesis.** Hours to be arranged.
Tyler.
- Psy 505. **Reading and Conference.** Hours to be arranged.
Tyler.
- Psy 507. **Seminar: Personal Problems.** 1-3 hours.
W, 3:00-5:00. 302 Condon. Stromberg.
- Psy 507. **Seminar: Psychological Problems of Learning.** 1-3 hours.
F, 3:00-5:00. 302 Condon. Littman.

SOCIOLOGY

Associate Professor: FOSKETT. Instructor: MARTIN.

- Soc 206. **General Sociology.** 3 hours.
Analysis of social organization and culture; social change and movements as affected by culture and biological and physical environmental factors. MTuWTh, 8:00. 107 Oregon. Foskett.
- Soc 328. **Social Research.** 3 hours.
The class plans and carries through to completion research projects designed to give experience in the use of the basic methods and techniques, including the construction of graphs and maps used in research and exhibits. MTuWTh, 9:00. 206 Oregon. Martin.
- Soc 405. **Reading and Conference.** Hours to be arranged.
- *Soc 431. **Human Ecology (First Term).** (G) 4 hours.
The origin and development of the community; patterns of city growth and structure; the influence of the city in modern life. Planning and execution of community surveys, with application to the student's own community. MTuWThF, 11:00. 206 Oregon. Martin.
- *Soc 433. **Human Ecology (Second Term).** (G) 4 hours.
Community organization, and man's adjustment to community living. Patterns of social interaction within the community. Differences in urban and rural organization for meeting human needs. MTuWThF, 2:00. 107 Oregon. Martin.
- Soc 452. **History of Social Thought.** (G) 4 hours.
A study of social thought from Comte to the present. MTuWThF, 10:00. 206 Oregon. Foskett.
- Soc 501. **Research.** Hour to be arranged.
- Soc 505. **Reading and Conference.** Hours to be arranged.
- Soc 507. **Seminar: Social Change.** 3 hours.
MTuWTh, time to be arranged. Foskett.

SPEECH

Professor: MCCALL. Associate Professors: CLARK, DAHLBERG, WOOD.
Assistant Professor: ROBINSON. Instructor: SCHLOSSER.

- Sp 111s. **Fundamentals of Speech.** 4 hours.
Emphasis on the following basic skills: adjustment to the speech situation, symbolic formulation and expression, phonation and articulation. Projects in
- * Adapted to the needs of the social-science teacher and to the understanding of the student's own community. The two courses may be taken independently or concurrently. Prerequisite: junior standing, general sociology, or consent of instructor.

extempore speaking, discussion, oral reading, and interpretation. MTuWThF, 8:00. 218 Villard. Dahlberg.

Sp 311, 312. Advanced Interpretation. 4 hours.

Instruction in discovery and expression of meaning and feeling in prose, poetry, and dramatic literature. Prerequisite: Sp 211, 212 or consent of instructor. MTuWThF, 9:00. 214 Villard. McCall.

Sp 341, 342. Radio Workshop. 4 hours.

Theory and application of radio performance technique; physical, acoustic, and mechanical theory and its application; interpretative theory and its application. Selected radio script material used for laboratory projects. Prerequisite: consent of instructor. MTuWThF, 11:00. 314 Villard. Schlosser.

Sp 351s. Technique of Acting. 4 hours.

Principles of acting technique. Problems in the analysis and presentation of character. MTuWThF, 10:00. 101 Villard. Robinson.

Ed 408s. Special Teaching Methods in Speech. 4 hours.

MTuWThF, 8:00. 214 Villard. McCall.

Sp 411s. Speech for the Classroom Teacher. 4 hours.

Instruction in speech and speech forms designed for classroom use. Required for English majors who intend to teach, but open to all prospective teachers. MTuWThF, 11:00. 214 Villard. Dahlberg.

Sp 423s. History and Literature of Oratory. (G) 4 hours.

Masterpieces of American oratorical literature. MTuWThF, 1:00. 218 Villard. Clark.

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

The influence and importance of radio as a social, political, and cultural force; history and development of radio programming; commercial versus public-service broadcasting; public opinion and propaganda influence of radio. MTuWThF, 10:00. 314 Villard. Dahlberg.

Sp 482s. Speech Defects and Disorders. (G) 4 hours.

Emphasis on cleft-palate and spastic speech, aphasia, stuttering, and allied psychogenic disorders. MTuWThF, 2:00. 102 Villard. Wood.

Sp 483s. 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. 102 Villard. Wood.

Sp 484, 485, 486. Clinical Practice in Speech Correction. (G) 2 to 4 hours.

Provides 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. 102 Villard. Wood.

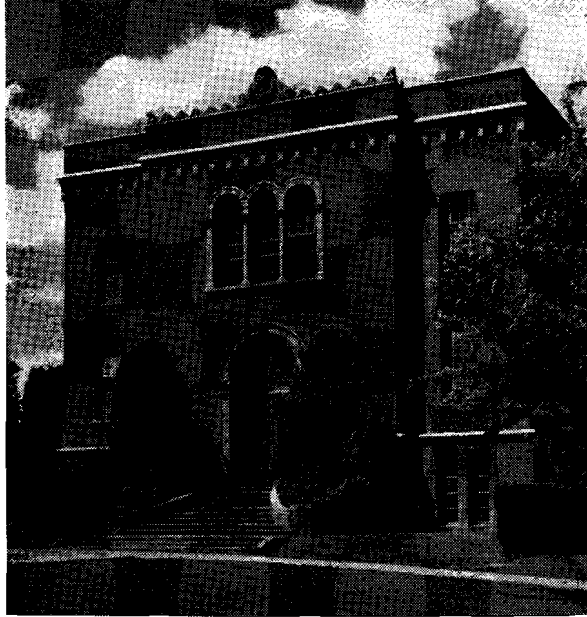
Sp 503. Thesis. Hours to be arranged.

Sp 505. Reading and Conference. 1 to 4 hours.

Sp 507. Seminar in Dramatic Production. 4 hours.

MTuWThF, 9:00. 101 Villard. Robinson.

Chapman Hall, one of the major classroom buildings for summer session. →



Summer view across the Mall, as seen from the Library. ↓



**Oregon State System of Higher Education
BULLETIN**