



University of Oregon
BULLETIN

Summer Session
1951

June 18 to August 10

Eugene, Oregon

Oregon State System of Higher Education

UNIVERSITY OF OREGON BULLETIN

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Oregon State System of Higher Education

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

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

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

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

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Oregon State System of Higher Education

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University of Oregon

Summer Session 1951

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Summer Session Calendar

June 18—August 10, 1951

June 18	Registration
June 19	Classes begin
June 21.....	Last day for payment of registration fee without penalty
June 27	Last day for adding a course
July 4	Independence Day, holiday
July 14	Last day for withdrawal from a course
July 27	Last day for filing graduate theses
August 9-10	Final examinations

General Information

THE forty-seventh annual summer session of the University of Oregon will be organized as a single session of approximately eight weeks between June 18 and August 10, 1951.

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

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 work in education beyond the bachelor's degree and 6 term hours in education electives, which may be taken either at the undergraduate or the graduate level; students who take these electives as graduate students must complete a total of 15 term hours of graduate work in education to qualify for the degree of Master of Science in General Studies.)

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

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, geography and geology, speech, health and physical education, music, art, and business. Work toward these degrees is admirably fitted to the needs of persons who wish to limit preparation to one field. At the option of the department, a thesis may or may not be required. Many departments offer programs for the master's degree both with thesis and without thesis.

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

Graduate Work in Elementary Education. Graduate work in elementary education has been allocated to the University by the Oregon State Board of Higher Education. The summer faculty will include visiting instructors with special competence in the field. Work will be offered both for classroom teachers and for supervisors and principals.

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

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

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

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

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

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

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

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

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

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

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

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

Further information will be furnished at the office of the Graduate School, 200 Fenton Hall.

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

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

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

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

Registration Procedure. Students will register for the summer session on Monday, June 18; classes will begin Tuesday morning, June 19. Registration will begin at 8 o'clock in the morning and continue until 4 o'clock in the afternoon. Students will receive registration material and further instructions at the Registrar's Office. (Education majors may obtain registration material either at the School of Education or at the Registrar's Office.)

Graduate students in education who reside in Eugene or vicinity are urged to obtain their registration materials at the School of Education on Friday, June 15, or on Saturday morning, June 16. They will thus be able to confer with their advisers and fill out class cards in advance of the regular registration day. Fees will, however, not be assessed or paid until Monday, June 18.

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

Registration fee	\$55.00
Students registering for 6 or more term hours of work pay this fee (except students registering for a four-week course carrying 6 hours of credit, who pay a fee of \$42.00). There is no additional out-of-state tuition for the summer session.	
Part-time fee	\$14.00 to \$42.00
1 or 2 term hours, \$14.00; 3 term hours, \$21.00; 4 term hours, \$28.00; 5 term hours, \$35.00; four-week course for 6 term hours of credit, \$42.00.	
Late-registration fee, per day	\$1.00
Undergraduate and graduate students pay the late-registration fee if they register after 3:00 p.m. on June 21.	
Examination fee for graduate students not enrolled in summer session.....	\$10.00
Paid by students not enrolled in the summer session who take examinations for advanced degrees during the summer.	
Staff fee, per term hour	\$3.00
On approval by the President's Office, full-time staff members may register for summer courses for this special fee.	
Fee for children receiving instruction in Clinical School.....	\$15.00
Music fees	See page 40

Except for fees for individual instruction in music and except for a golf fee (see page 31), no laboratory or other course fees are charged.

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

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

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

Board and Room. Board and room for both men and women will be available during the summer session in University halls of residence: for men, in the John Straub Memorial Building; for women, in Carson Hall. Students living in the halls must also board in the dormitory dining rooms (exceptions may

be granted in unusual cases). A room-reservation deposit of \$15.00 is required; this deposit, less deductions for loss or breakage, will be returned at the end of the session. Blankets and bed linen, and the laundry of these items, are furnished by the halls; students furnish their own towels. Applications for reservation of dormitory rooms should be sent to the Director of Dormitories, University of Oregon, Eugene, before the opening of the summer session, and should be accompanied by the room-reservation deposit.

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

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

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

	<i>Multiple Occupancy</i>	<i>Single Occupancy</i>	<i>Board*</i>	<i>Total, Board & Room</i>	
				<i>Multiple</i>	<i>Single</i>
Straub (men):					
Eight-week session.....	\$42.00	\$56.00	\$90.00	\$132.00	\$146.00
Per week.....	7.00	9.00	12.50	19.50	21.50
Per day.....	1.75	2.25	2.20†	3.95	4.45
Carson (women):					
Eight-week session.....	\$55.00	\$70.00	\$90.00	\$145.00	\$160.00
Per week.....	9.00	12.00	12.50	21.50	24.00
Per day.....	2.00	2.50	2.20†	4.40	4.95

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

	<i>Straub</i>		<i>Carson</i>	
	<i>Multiple</i>	<i>Single</i>	<i>Multiple</i>	<i>Single</i>
At the opening of session.....	\$ 66.00	\$ 73.00	\$ 72.50	\$ 80.00
Prior to 3:00 p.m., July 13.....	66.00	73.00	72.50	80.00
	\$132.00	\$146.00	\$145.00	\$160.00

A penalty charge of \$1.00 per day, up to a maximum of \$5.00, is made if the first installment is not paid by June 29, or if the second installment is not paid by July 13.

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

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

The dormitories will be open for the summer session at 2:00 p.m. on Sunday, June 17; the first meal served will be breakfast on Monday. The dormitories will close Saturday noon, August 11; the last meal served will be breakfast on Saturday. Meals will be served on July 4.

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

Housing for Married Students. The University operates a considerable number of housing units for married students, some of which will be available for the summer session. Married students interested in these quarters should write to the

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

† Rates per meal: breakfast, 45 cents; lunch, 65 cents; dinner, \$1.10.

Director of University Family Housing, University Business Office. Married students seeking off-campus living quarters in Eugene for the summer session should consult the Housing Secretary at the time of registration or shortly before, and then make their own individual arrangements with householders or managers of apartments.

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

(1) The student should obtain from the Housing Secretary a list of approved rooming houses, and use this list in looking for rooms.

(2) When desirable quarters are found, the student should fill out a housing petition and file it with the Housing Secretary.

(3) Registration may not be completed without the signature of the Housing Secretary on the registration card.

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

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

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

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

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

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

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

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

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

tunities 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 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, basketball, track, and baseball will be conducted on the campus from July 9 to July 20.

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 25 to July 13. 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 \$44.00. Recreational facilities are available for all who enroll. Interested high-school students should write to Robert Vagner, School of Music, for further information.

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

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

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

Description of Courses

ANTHROPOLOGY

Professor: CRESSMAN. Assistant Professors: LAUGHLIN, STERN.

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

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

Anth 412. **Problems of Race and Culture.** (G) 4 hours.

Application of evolutionary theory to society and the concepts of competition and cooperation in society. Socialization of the individual in contrasting societies, M'TuW'ThF, 9:00. 301 Condon. Laughlin.

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

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

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

ARCHITECTURE AND ALLIED ARTS

Professors: LITTLE, CUTHBERT, VINCENT. Assistant Professors: ANDREWS, FERENS, TREADAWAY, SPONENBURGH, WAECHTER.
Instructors: CHADWICK, MILLER, RYAN, SITES.

Summer courses in art and applied design will place emphasis on the field of sculpture. Course offerings at the elementary and advanced levels will provide persons interested in this field with ample opportunity for studio work and criticism under members of the regular faculty and advising critics.

Courses in architectural design and construction will be offered for those persons who desire to accelerate the completion of the professional curriculum.

Opportunity is also available for elementary and high-school teachers who wish to gain studio experience in creative work in drawing and painting.

Regular advisory service will be maintained during summer-session registration, to coordinate the summer work with regular needs of the academic year.

ARCHITECTURE**AA 370. Theory of Structures I.** 3 hours.

Wood and steel construction, beams, columns, trusses, and simple frames. The course will serve as a makeup for failure of any one term during the regular academic session. MTuWThF, 10:00. Architecture.

AA 387. Architectural Design. 2-4 hours.

No-grade course. A series of problems in architectural design, with short sketch problems and minor problems. Individual criticism. MTuWThF, 1:00-4:00. 200 Architecture.

AA 487. Architectural Design. 4-6 hours.

No-grade course. A series of architectural problems of increasing complexity, with emphasis on analysis in planning and design. Individual criticism. MTuWThF, 1:00-4:00. 200 Architecture.

AA 499. City Planning II. (G) 2 hours.

No-grade course. Studio problems in civic design. Open to any professional major of fourth-year standing. Prerequisite: AA 353. MWF, 1:00-4:00. Architecture.

AA 509. Terminal Creative Project. (G) 4-8 hours.

Open only to those students who expect to complete the required work in design at the end of the summer session. Individual criticism. MTuWThF, 1:00-4:00. 200 Architecture.

AA 529, 530, 531. Architectural Practice. (G) 3 hours each term.

Problems of professional ethics, business relationships, office management, etc. Open to fifth-year students, and to fourth-year students with special permission. The summer course satisfies the requirements of the regular session. MTuWThF, 11:00. Architecture.

AA 587. Architectural Design. (G) 4-8 hours.

No-grade course. A series of architectural problems of increasing complexity, with emphasis on analysis in planning and design. Individual criticism. MTuWThF, 1:00-4:00. 200 Architecture.

AA 589. Landscape Design. (G) 4-6 hours.

No-grade course. Landscape-design problems of increasing complexity. Individual criticisms. MTuWThF, 1:00-4:00.

DRAWING AND PAINTING***AA 380. Graphic Arts.** 2 hours.

A study of design principles and technical methods involved in lithography, etching, wood-block and linoleum-block print making. MWF, 8:00-12:00. Studios.

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

Advanced problems in portrait, figure, and still life in all media. MTuWThF, 1:00-4:00. Architecture Studio.

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

Advanced work in drawing. Study of form from the figure. MTuWThF, 8:00-12:00. Architecture Studio.

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

Introduction to materials. Elementary consideration of form; technical composition. Exercises in clay and plaster. MTuWThF, 8:00-12:00. Studios.

AA 494. Advanced Sculpture. (G) 2-4 hours.

Study in space and motion. Appreciation of sculpture in relation to the fields of architecture and landscape architecture. MTuWThF, 1:00-4:00. Studios.

AA 501. Research. Hours to be arranged.**AA 503. Thesis.** Hours to be arranged.**AA 505. Reading and Conference.** Hours to be arranged.**AA 507. Sculpture Seminar.** 2 hours.

Space problems designed to meet individual needs, with lectures and studio work. MWF, 3:00-5:00. Studios.

BIOLOGY

Assistant Professors: SODERWALL, McCONAUGHEY.

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

Special laboratory training in research methods.

Bi 441. Introduction to Mammalian Physiology. (g) 4 hours.

Physiology of mammalian organs and organ systems. Lectures, MTuWTh, 8:00, 103 Deady. Laboratory, Th, 2:00-5:00, 3 Deady. Soderwall.

Bi 461. Protozoology. (G) 4 hours.

Structure, classification, life histories, physiology, and ecology of the Protozoa. Lectures, MWF, 1:00, 103 Deady. Laboratory, 2:00-5:00, MWF, 305 Deady. McConaughy.

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

Professors: BALLAINE, MORRIS. Associate Professor: ZIEBARTH.
Assistant Professors: CALLIS, PYLE, RICHINS, SMITH.
Visiting Faculty: VOIGT.

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. Applica-

* If sufficient demand exists, courses in lower-division drawing and painting will be offered.

tion 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, 106 Commerce. BA 112, MTuWThF, 9:00, 106 Commerce. BA 113, MTuWThF, 9:00, 106 Commerce. Pyle.

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

Theory and practice of touch typing; rhythm drills, dictation exercises; writing paragraphs; punctuation and mechanical arrangement of business correspondence; tabulating, manifold; speed practice. Material offered will be adjusted to the needs of individual students. Hours to be arranged. 208 Commerce.

BA 222. Elements of Finance. 4 hours.

How a modern business enterprise is launched, secures long- and short-term funds, manages its own capital and earnings; public control of financial institutions. Required of all majors. Prerequisites: BA 111, 112, 113. MTuWThF, 1:00. 7 Commerce. Callis.

BA 313. Analysis of Financial Statements. 4 hours.

Managerial accounting for effective management and control of industrial and trading concerns. Preparation, analysis, and interpretation of balance sheets and operating reports. Prerequisite: BA 111, 112, 113. MTuWThF, 11:00. 207 Commerce. Pyle.

BA 339. Principles of Advertising. 3 hours.

Advertising as a factor in the distributive process; the advertising agency; the "campaign"; the function of research and testing; the selection of media—newspapers, magazines, broadcasting, outdoor advertising, direct mail. MTuWTh, 9:00. 105 Journalism. Voigt.

BA 371. Business Techniques for Teachers. 4 hours.

For prospective teachers of business subjects. Integrates the knowledge of various skills, such as typing, shorthand, office-machine operation, filing, book-keeping, etc.; classroom problems; methods of instruction and materials in each teaching area. Demonstrations, lectures, laboratory work. Not open to students who have had SS 111, 112, 113, SS 121, 122, 123. Prerequisite: consent of instructor. MTuWThF, 8:00. 208 Commerce. Smith.

BA 401. Research. Hours to be arranged.

Supervised individual work in some field of special interest. Subjects chosen must be approved by the major professor. Prerequisite: senior standing. Ballaine.

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

Application of fundamental legal principles to typical business situations, illustrated by selected cases. The following topics are considered: contracts, bankruptcy, insurance, suretyship, sales, agency, personal property, real property, business organizations, partnerships, corporations, associations, trusts, joint stock companies, negotiable instruments. MTuWThF, 8:00. 8 Commerce. Richins.

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

Aims and objectives of business education; history, trends, issues; curriculum construction at high-school and junior-college level; instructional problems; research in business education. Prerequisites: upper-division standing, consent of instructor. MTuWThF, 9:00. 207 Commerce. Smith.

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

Examination of current literature and text materials. Work-experience programs; standards of achievement; guidance programs; placement and follow-up; in-service training for teachers; business entrance tests; evaluation of current methods; auditory and visual aids. Prerequisite: consent of instructor. Hours to be arranged. Smith.

- BA 425. Real-Estate Fundamentals.** (G) 4 hours.
Problems relating to the purchase, transfer, lease, and financing of land and buildings; home building, site selection, principles of house-and-lot evaluation. Open to nonmajor students. MTuWThF, 2:00. 8 Commerce. Callis.
- 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, 2:00. 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, 11:00. 206 Commerce. Ballaine.
- BA 435. Sales Management.** (G) 4 hours.
Structure of sales organizations; sales policies; control of sales operations; sales planning; market analysis; coordination of production and sales; selection, training, and management of salesman. Prerequisite: BA 223. MTuWThF, 9:00. 8 Commerce. Richins.
- 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, 11:00. 106 Commerce. Richins.
- 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, 10:00. 106 Commerce. Ballaine.
- BA 448. 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, 10:00. 8 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. Prerequisites: BA 222, 223. MTuWThF, 1:00. 7 Commerce. Ziebarth.
- BA 499. Advanced Accounting Problems.** (G) 4 hours.
Consideration of the theoretical and practical basis of income measurement and the balance-sheet valuation. Practice in solution of advanced problems in accounting. MTuWThF, 10:00. 206 Commerce. Callis.
- BA 501. Research.** Hours to be arranged.
- BA 503. Thesis.** Hours to be arranged.
- BA 505. Reading and Conference.** Hours to be arranged.

CHEMISTRY

Associate Professor: REITHEL. Assistant Professors: DEAN, GAERTNER, SWINEHART. Instructor: CLEAVES.

- Ch 226. Introductory Organic Chemistry.** 4 hours.
Chemistry of the carbon compounds. First four weeks of summer session.

Prerequisite: Ch 203. Lectures, MTuWThF, 9:00-10:30, 103 McClure. Laboratory, MTuW, 1:00-4:00, 207 McClure. Dean.

- Ch 227. **Introductory Organic Chemistry.** 4 hours.
Continuation of Ch 226. Last four weeks of summer session. Lectures, MTuWThF, 9:00-10:30, 103 McClure. Laboratory, MTuW, 1:00-4:00, 207 McClure. Gaertner.
- Ch 439. **Survey of Organic Chemistry.** (g) 4-5 hours.
A review of the carbon compounds, with reports and conferences on special topics. Primarily for high-school teachers. Prerequisite: Ch 203. Lectures, MTuWThF, 9:00-10:30. 103 McClure. Dean, Gaertner.
- Ch 501. **Research.** Hours to be arranged.
- Ch 503. **Thesis.** Hours to be arranged.
- Ch 505. **Reading and Conference.** Hours to be arranged.

ECONOMICS

Professors: MACY, KLEINSORGE. Assistant Professors: SORENSON, WATTLES.

- Ec 201. **Principles of Economics.** 4 hours.
A study of certain basic principles of economics. Attention to national income, production, business enterprise, money and banking, international trade, and elements of demand and supply. Prerequisite: sophomore standing. MTuWThF, 11:00. 106 Oregon. Macy.
- Ec 405. **Reading and Conference.** Hours to be arranged.
Wattles.
- Ec 417. **Contemporary Economic Problems.** (G) 4 hours.
A study of contemporary economic conditions and problems; the impact of World War II and postwar economic policy on our economic system; problems of adjustment to war and peace. MTuWThF, 8:00. 106 Oregon. Wattles.
- Ec 418. **Public Finance.** (G) 4 hours.
Significant aspects of government expenditures, revenues, and debt. Special attention to the effects of the financial policies of government upon the operations of the economic system. MTuWThF, 9:00. 106 Oregon. Macy.
- Ec 450. **Comparative Economic Systems.** (G) 4 hours.
An analytical comparison of capitalism with other economic systems. MTuWThF, 10:00. 106 Oregon. Wattles.
- Ec 466. **Economic History of Modern Europe.** (G) 4 hours.
The Industrial Revolution and its effects, 1750-1850. MTuWThF, 9:00. 2 Oregon. Sorenson.
- Ec 487. **American Economic History.** (G) 4 hours.
All phases of the economic development of the United States, 1850-1900. MTuWThF, 11:00. 2 Oregon. Sorenson.
- Ec 501. **Research.** Hours to be arranged.
Macy.
- Ec 503. **Thesis.** Hours to be arranged.
Macy, Wattles.
- Ec 505. **Reading and Conference.** Hours to be arranged.
Macy, Wattles.

EDUCATION

Professors: AVERY, BREEN, CASTELL, HUFFAKER, JACOBSON, KAMBLY, KILLGALLON, H. WOOD.
Associate Professors: HEARN, SANDIN, TYLER. Assistant Professors: RUMMEL, SCHMIDT.
Instructor: PIERCE-JONES. Visiting Faculty: BABCOCK, BECK, EYE, DEBERNARDIS,
HINES, HODGES, HOGG, KRIDER, LOGSDON, McLEAN, PALMER, SNYDER,
SPEARS, WATSON, W. WOOD.

Social-Education Workshop. A rich and well-defined program has been planned for elementary and secondary teachers of the social studies and related subjects. The general purpose of the program is to assist teachers in learning of the general trends in this area and the changes recommended by the new Oregon social-studies program. The program is flexible to meet the needs of various groups; opportunities are offered to strengthen the teacher's background in several subjects and to provide an understanding of new patterns of organization, new techniques, new materials, and other professional phases of teaching.

The workshop in social education will be under the direction of Mildred Schmidt, who is a specialist in English and social studies. She will be assisted by William E. Wood of the United States Office of Education and other members of the University faculty. The workshop will be especially planned for persons who are working in social-living or core programs. Chester Babcock of the Seattle Schools and Harold Spears, assistant superintendent in San Francisco, will be available for consultation.

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

Special Education. Offerings in special education have been expanded in recognition of the demand for more trained teachers in this field. In addition to the work in Diagnostic and Remedial Techniques (Ed 465) and Clinical Teaching (Ed 409), special courses concerning the problems of exceptional children are available.

Post Session. There will be a two-week post session for graduate students in education from August 13 to 24. Three term hours of credit may be earned in Reading and Conference (Ed 505). The fee for this session is \$21.00.

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

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

Ed 313. Principles of Teaching. 3 hours.

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

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

Analysis of the Oregon school system and of the law on which the system is

based. Problems of Oregon schools, plans proposed for their solution, and trends in educational development in the state. Prerequisite: Ed 311. MWF, 1:00-4:00. 4 Education. Huffaker.

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

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

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

Either first or second four weeks. The development and use of audio-visual aids in education. Emphasis on actual learning situations in which radio, recordings, films, slides, pictures, maps, charts, etc. are utilized. Sources of materials and equipment; administration of program. Daily, 1:00-3:00. U.H.S. Auditorium. Palmer, first four weeks; DeBernardis, second four weeks.

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

A general review of the growth and development of education in relation to the civilization of the times; emphasis on development of educational philosophies. Daily, 9:00. 13 U.H.S. Breen.

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

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

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

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

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

A survey of the problems involved in finding, understanding, and meeting the educational and personal needs of all types of deviate children. Daily, 9:00. 3 U.H.S. Killgallon, Snyder, staff.

- Ed 463. **Maladjustment of Children.** (G) 4 hours.

The discovery and treatment of the emotionally and socially maladjusted child; the home, school, and community in relation to the child's mental health. Daily, 1:00. Music Room, U.H.S. Krider.

- Ed 464. **The Mentally Exceptional.** (G) 4 hours.

Identification and guidance of the mental deficient, the slow learner, and the gifted. Daily, 2:00. Music Room, U.H.S. Krider.

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

A clinical course. Principles, methods, and instrumentation applicable to the analysis and correction of specific disabilities in basic school subjects. Practice in diagnosis leading to detailed recommendations for corrective instruction required. Daily, 8:00. 2 U.H.S. Hogg, Killgallon.

- Ed 501. **Research.** 1-3 hours.

Hours and subject to be arranged.

- Ed 501. **Field Study.** 3 hours.

- Ed 503. **Thesis.** Hours to be arranged.

- Ed 505. **Reading and Conference.** 1-3 hours.

Time and subject to be arranged.

Ed 507. Seminar: Adolescent Literature. 4 hours.

Survey of developing boys' and girls' characteristics, needs, and interests. Criteria for selecting reading materials to find the right books for each adolescent. Common reading problems of teen-age people at their various stages of growth. Use of criteria in examining selected books and other reading materials to meet growing boys' and girls' needs and interests in both instructional and recreational reading materials. Classroom procedures for common reading and for individual reading programs. Daily, 10:00. 3 Education. Schmidt.

Ed 507. Seminar: Children's Literature. 4 hours.

Recent findings in children's literature. Large collection of children's books will be available for examination. Study of materials suitable for various grade levels. Opportunity to discuss and to study materials suitable for language, arts, literature, social studies, science, and other areas at the elementary-school level. Daily, 9:00. 3 Education. Watson.

Ed 507. Seminar: The Community College. 4 hours.

A summary of trends, opportunities, strengths, and limitations in the community and junior college. Emphasis both on the terminal program and on the programs which are preparatory for four-year institutions. Daily, 1:00. 2 Education. W. Wood.

Ed 507. Seminar: Methods and Materials in English. 4 hours.

Selection of areas of instruction in English; units, techniques of instruction, materials for English teaching. Open to all persons interested in the teaching or supervision of English in elementary or secondary schools. Daily, 10:00. 4 U.H.S. W. Wood.

Ed 507. Seminar: 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 sciences in elementary or secondary schools. Daily, 10:00. 2 Education. Kambly.

Ed 507. Seminar: Social Education. 4 hours.

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

Ed 507. Seminar: Social Hygiene. 4 hours.

Social-hygiene content, methods, and materials appropriate for junior and senior high schools. Prerequisite: senior standing in health education or biology; graduate standing in education or physical education; or consent of instructor. MTuWTh, 1:00. 114 Physical Education. Moorhead, Avery.

Ed 507. Seminar: Educational Foundations. 4 or 6 hours.

First four weeks. Designed for graduate students who desire an opportunity to examine major educational problems and issues in their sociological, economic, political, and anthropological settings. Daily, 1:00-3:00. 4 U.H.S.

Ed 508. Workshop: Administration of the Curriculum Program. 4 hours.

Second four weeks. Designed for administrators, supervisors, curriculum coordinators, and curriculum-committee chairmen at both the elementary and secondary levels. Special attention to individual and local school problems and programs; special help in locating, evaluating, and preparing materials

to assist teachers in their instructional and curricular problems; discussion of such topics as: principles of educational leadership, organization of in-service curriculum study groups, curriculum issues and problems in modern schools, comparative study of different types of curricula, curriculum trends, and related problems. Daily, 1:00-3:00. 4 U.H.S. H. Wood, staff.

Ed 508. Workshop: Social Studies for Upper Grades. 4 hours.

Second four weeks. Planned for upper-grade teachers; concerned primarily with materials and methods in the social studies. Research finds and forward-looking practices in representative school systems furnish the core of the program. Opportunity to examine materials and to plan individual programs. Daily, 1:00-3:00. 1 U.H.S. McLean.

Ed 508. Workshop: Reading Problems of Lower Grades. 4 hours.

A systematic survey of the research findings and best practices in teaching reading in lower grades. Opportunity to examine materials and to plan individual programs. Special assistance given teachers in solving their individual problems. Daily, 11:00. 3 Education. Watson.

Ed 512. Research Procedures in Education. 4 hours.

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

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

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

Ed 523. School Activity Program. 4 hours.

Theories involved in extraclass activities; objectives, organization, and supervision; student participation in social control; major and minor activities; problems of coordination, finance, and teacher personnel. Daily, 10:00. 3 U.H.S. Logsdon.

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. Daily, 11:00. 2 U.H.S. Rummel.

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. Daily 9:00. 4 Education. Hearn.

Ed 526. High-School Counseling. 4 hours.

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

Ed 527. 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 out-

comes—all leading to plans for school improvement. The techniques of evaluation by the local staff and by visiting committees. Planned for both teachers and administrators. Daily, 10:00. 2 U.H.S. Hearn.

Ed 552. Elementary-School Problems. 4 hours.

The functions and objectives of elementary education in the American social order. The relationship of curriculum development, administration, supervision, teaching methods, and teacher education to these functions and objectives. Daily, 8:00. 1 U.H.S. Hodges.

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

A systematic study of the elementary-school curriculum. Intended for graduate majors in education. Daily, 9:00. 4 U.H.S. Sandin.

Ed 554. Supervision of the Elementary Schools. 4 hours.

Special problems and techniques of supervision in the elementary schools. Intended for mature persons who are or expect to be responsible for supervision in elementary schools. Daily, 10:00, 1 U.H.S. Hodges.

Ed 555. Elementary-School Administration. 4 hours.

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; application of experience and sound principles to the improvement of teaching. Attention to problems presented by members of the class as the outgrowth of their experience. Daily, 11:00. 4 U.H.S. Sandin.

Ed 561. Advanced Educational Psychology. 4 hours.

Review of some modern viewpoints in educational psychology; discussion of useful experimental material. Prerequisite: graduate standing in education. Daily, 2:00. 4 Education. Pierce-Jones.

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

Problems of school organization on both state and local levels; organizational problems in the local school system, including program offerings in both elementary and secondary schools. Special emphasis on the problems of the small system. Prerequisite: Ed 311, 312, 313 or teaching experience. Daily, 9:00. 1 U.H.S. Eye.

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

Administration of the local school system and its relation to state administration; relations within a school system, the teaching staff, school records and reports, pupil accounting; special services, budget making. Problems related to the school system as a whole. Prerequisite: Ed 311, 312, 313 or teaching experience. Daily, 11:00. 1 U.H.S. Eye.

Ed 574. Basic Course in School 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. Prerequisite: Ed 311, 312, 313 or teaching experience. Daily, 10:00-12:00. 4 Education. Hines.

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

Study of the problems in planning, construction, maintaining, and operating school buildings. Financing building costs, relation to theories of school support and to school costs. Prerequisite: Ed 311, 312, 313 or teaching experience. Daily, 8:00. 4 U.H.S. Huffaker.

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

First four weeks. Study of the problems in planning, construction, maintaining, and operating school buildings. Daily, 10:00-12:00. 4 Education. Hines.

Ed 581. **Curriculum Foundations.** 4 hours.

First four weeks. Implications of basic social, philosophical, and psychological factors in curriculum planning and organization; historical background; techniques of curriculum planning. Daily, 10:00-12:00. Music Room, U.H.S. Babcock.

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. Daily, 8:00-10:00, Music Room, U.H.S. Spears.

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

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

ENGLISH

Professors: BLACK, HOELTJE, HORN, LESCH, SOUERS.
Assistant Professors: MILLS, MOORE, SHERWOOD.

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

From *Beowulf* to Milton. MTuWTh, 10:00. 117 Friendly. Moore.

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

The fundamentals of English composition. MTuWTh, 9:00. 112 Friendly. Moore.

Wr 112. **English Composition (Second Term).** 3 hours.

Continuation of Wr 111. MTuWTh, 9:00. 117 Friendly. Mills.

Wr 113. **English Composition (Third Term).** 3 hours.

Continuation of Wr 112. MTuWTh, 9:00. 117 Friendly. Mills.

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

Much Ado About Nothing; As You Like It; Twelfth Night; Julius Caesar; Hamlet; Othello. MTuWTh, 11:00. 117 Friendly. Horn.

Eng 329. **Literature of the West.** 3 hours.

The literature of the trans-Mississippi region from the days of exploration to the present, with emphasis on the influence of the frontier. Some attention to Oregon literature. MTuWTh, 8:00. 117 Friendly. Mills.

Eng 396. **Twentieth-Century Literature (Third Term).** 3 hours.

Study of the work of some of the more important contemporary writers of England and America. This sequence may not be offered toward the satisfaction of the minimum requirement for a major in English. MTuWTh, 2:00. 112 Friendly. Sherwood.

Eng 403. **Thesis for Honors Candidates.** Hours to be arranged.

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

Eng 420. **Anglo-Saxon.** (G) 3 hours.

Grammar; selected readings. MTuWTh, 11:00. 118 Friendly. Souers.

Eng 423s. **Types of Prose Fiction: English Novel (Second Term).** (G) 3 hours.

Significant forms developing in the English novel from Dickens to the present. MTuWTh, 8:00. 115 Friendly. Black.

- Eng 428. **Chaucer.** (G) 3 hours.
MTuWTh, 9:00 118 Friendly. Souiers.
- Eng 444. **Milton.** (G) 3 hours.
MTuWTh, 10:00. 115 Friendly. Black.
- Eng 451. **Eighteenth-Century Literature (Second Term).** (G) 3 hours.
The prose and poetry of the century studied in relation to the social, political, and aesthetic ideas which gave the period its peculiar character. MTuWTh, 8:00. 118 Friendly. Horn.
- Eng 470. **Nineteenth-Century Prose (First Term).** (G) 3 hours.
Main currents of thought as reflected in representative authors. MTuWTh, 2:00. 115 Friendly. Moore.
- Eng 476. **Literary Foundations of American Life (Second Term).** (G) 3 hours.
Authors whose writings have largely given shape to American thought. Required of all majors in American literature who have not taken Eng 261, 262, 263. MTuWTh, 11:00. 115 Friendly. Hoeltje.
- Eng 484. **Major American Writers: The Realists (First Term).** (G) 3 hours.
Whitman and Mark Twain. MTuWTh, 10:00. 118 Friendly. Hoeltje.
- Eng 501. **Research.** Hours to be arranged.
- Eng 503. **Thesis.** Hours to be arranged.
- Eng 505. **Raeding and Conference.** Hours to be arranged.
- Eng 507. **Seminar: Drama.** 3-4 hours.
Time to be arranged. Horn.
- Eng 507. **Seminar: Sixteenth Century.** 3-4 hours.
Time to be arranged. Lesch.

FOREIGN LANGUAGES

Assistant Professors: ROECKER, GICOVATE. Visiting Faculty: CLEISZ.

FRENCH

- *RL 1, 2. **First-Year French.** 8 hours.
An introduction to the French language with practice in reading prose; practice in pronunciation and an understanding of the spoken language. Equivalent of the first two terms of First-Year French given during the regular academic year. MTuWThF, 8:00 and 9:00. 216 Friendly. Cleisz.
- RL 405. **Reading and Conference.** 3 hours.
A program of supervised reading in the literature of the twentieth century. For students who have completed a survey course in French literature, or the equivalent. Those interested in literary periods other than the twentieth century or in doing advanced work in the French language should consult the instructor. Time to be arranged. Cleisz.
- RL 503. **Thesis.** Hours to be arranged.
Cleisz.
- RL 505. **Reading and Conference.** 3 hours.
Readings in French literature of the twentieth century. Students interested in periods other than the twentieth century should consult the instructor. Time to be arranged. Cleisz.

* 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.

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

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

GL 405. Reading and Conference. 3 hours.

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

GL 407. Seminar. (g) 3 hours.**SPANISH*****RL 11, 12. First-Year Spanish.** 8 hours.

Provides an introduction to grammar and practice in reading modern prose; considerable practice in pronunciation and opportunity for understanding the spoken language. Equivalent of the first two terms of First-Year Spanish given during the regular academic year. MTuWThF, 8:00 and 9:00. 312 Friendly. Gicovate.

RL 405. Reading and Conference. 3 hours.

Readings in Spanish and Spanish-American literature. For students who have completed a survey course in Spanish or in Spanish-American literature or the equivalent. Those interested in doing advanced work in the Spanish language should consult the instructor. Time to be arranged. Gicovate.

RL 501. Research. Hours to be arranged.**RL 503. Thesis.** Hours to be arranged.**RL 505. Reading and Conference.** 3 hours.

Readings in Spanish or Spanish-American literature. Time to be arranged. Gicovate.

GEOGRAPHY

Assistant Professor: STOVALL. Visiting Faculty: WEAVER.

Geog 105. Introductory Geography. 3 hours.

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

Geog 201. Regional Economic Geography. 3 hours.

A study of the major types of production and their geographic background. TuWThF, 11:00. 101 Condon. Weaver.

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

Regional geography of the Soviet Union; its resources, peoples, and world position. TuWThF, 9:00. 101 Condon. Weaver.

Geog 429. Geography of North America. (G) 3 hours.

Regional geography of the continent north of the Rio Grande. TuWThF, 10:00. 103 Condon. Weaver.

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

Physical, economic, and human geography of the continent. MTuWTh, 8:00. 101 Condon. Stovall.

Geog 501. Research. Hours to be arranged.

* See note (*), page 28.

- Geog 503. **Thesis.** Hours to be arranged.
- Geog 505. **Reading and Conference.** Hours to be arranged.
- Geog 507. **Seminar: Geography of the Pacific Northwest.** 3 hours.
Emphasis on Oregon. MTuWTh, 1:00. 101 Condon. Stovall.

GEOLOGY

Associate Professor: STAPLES.

- Geol 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: Geol 314, Geol 383, Geol 393, and consent of instructor. Staples.
- Geol 506. **Advanced Field Geology.** 9 hours.
Six weeks. Geologic field work in selected parts of Oregon. Emphasis on individual problems. Prerequisite: graduate standing and consent of the instructor. Staples.
- Geol 501. **Research.** Hours to be arranged.
- Geol 503. **Thesis.** Hours to be arranged.
- Geol 505. **Reading and Conference.** Hours to be arranged.

HEALTH AND PHYSICAL EDUCATION

Professors: AVERY, HAAR, KNOLLIN, LEIGHTON, MEREDITH. Associate Professors: ALKEN, MOORHEAD, POLEY, SIGERSETH, WENTWORTH. Assistant Professors: SPRAGUE, WARREN.
Instructors: BOWERMAN, KIRSCH, LILLIE. Visiting Faculty: COOK, DYE, ELIOT, LOGAN, YOUNG.

HEALTH EDUCATION (PROFESSIONAL)

- 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. (g) 3 hours. Units on structure and functions of the human body, first aid and safety, choice and use of health and health products. MTuWTh, 8:00; laboratory, MTuWTh, 2:00-4:00. 107 Physical Education. Moorhead, Cook.
- HE 412. (g) 3 hours. Units on personal hygiene (including effects of alcoholic drinks, stimulants, and narcotics), nutrition, community health, and sanitation. MTuWTh, 9:00; laboratory, MTuWTh, 2:00-4:00. 107 Physical Education. Moorhead, Cook.
- HE 413. (g) 3 hours. Units on physiology of exercise, communicable and non-communicable disease, and mental health (including family-life education). MTuWTh, 10:00; laboratory, MTuWTh, 2:00-4:00. 107 Physical Education. Moorhead, Cook.
- 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; or consent of instructor. MTuWTh, 1:00. 114 Physical Education. Moorhead, Avery.

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 Oregon secondary schools. Prerequisite: consent of instructor. MTuWTh, 8:00. 122 Physical Education. Haar.

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

Functions and organization of public health; vital statistics; consumer health problems; health education in the Oregon public schools, with special emphasis on health teaching in the junior and senior high schools. Prerequisite: consent of instructor. MWThF, 9:00. 122 Physical Education. Haar.

HE 501. **Research in Health Education.** Hours to be arranged.

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

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

HE 506. **Special Problems.** Hours to be arranged.

PHYSICAL EDUCATION (SERVICE)

PE 380 or 390. **Tennis.** 1 hour.

For men and women MWF, 8:00 or MWF, 11:00. Tennis Courts. Knollin.

PE 380 or 390. **Golf.** 1 hour.

Time to be arranged. Fee: \$15.00. Laurelwood Golf Course.

PE 380. **Swimming.** 1 hour.

For women MWF, 2:00. Gerlinger Pool. Knollin.

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

For men. MWF, 3:00. Men's Pool. Knollin.

PE 380 or 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, 2:00. Corrective Gym, Gerlinger. Poley.

COACHING SCHOOL*

July 9 to July 20

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

MTuWThF, 8:00. 101 Physical Education. Lillie.

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

MTuWThF, 4:00. 101 Physical Education. Lillie.

July 9 to July 13

PE 450a. **Football Fundamentals.** 1 hour.

Rules, systems of play, strategy, responsibilities of the coach, public relations, conference organization. MTuWThFS, 9:00-11:00. 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 453a. Basketball Coaching. 1 hour.

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

PE 456. Track Coaching. 1 hour.

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

July 16 to July 20

PE 450b. Football Fundamentals. 1 hour.

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

PE 453b. Basketball Coaching. 1 hour.

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

PE 455. Baseball Coaching. 1 hour.

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

PHYSICAL EDUCATION (PROFESSIONAL)

PE 406. American Country Dance. 2 hours.

For men and women. Materials of American folk dancing, including locomotor skills, square-dance skills, traditional step patterns; a variety of round and square dances. MWThF, 9:00. Gerlinger. Wentworth.

PE 406. Ballroom Dancing. 2 hours.

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

PE 406. International Folk Dance. 2 hours.

For men and women. Materials of folk dancing, including the fundamental locomotor skills, traditional step patterns, and representative folk dances from a number of foreign countries. MTuWTh, 1:00. Gerlinger. Wentworth.

PE 406. Modern Dance. 2 hours.

For men and women. Materials of modern dance, including rhythmic fundamentals, axial and locomotor movement skills, and elements of dance composition. MTuWTh, 2:00. Gerlinger. Wentworth.

PE 471. Human Anatomy. (g) 3 hours.

Gross anatomy; the skeletal and muscular structure, the circulatory, respiratory, digestive, and neural systems, and their functioning in physical activities. Prerequisite: two year of biology, senior standing. MWThF, 8:00. 121 Gerlinger. Sigerseth.

PE 506. Methods and Materials of Folk and Square Dancing. 3 hours.

For men and women. 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 program. Special emphasis on teaching procedures directed to the achievement of objectives. Prerequisite: consent of instructor. MTuWTh, 10:00. Gerlinger. Wentworth.

PE 506. Problems of Athletic Injuries. 3 hours.

The prevention and avoidance of injury. Analysis of types of injuries, their care and treatment; taping, bandaging, massage, etc. Use of mechanical aids in prevention and care of injuries, emergency procedures, conditioning against injury. Prerequisite: consent of instructor. MTuWTh, 2:00. 121 Gerlinger. Sigerseth.

PE 506. Special Problems of Apparatus and Tumbling. 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. MTuWTh, 2:00-4:00. Men's Gym. Haar.

PE 506. Problems of Measurement in Physical Education. 3 hours.

Designed to aid the teacher in selecting and administering tests to measure achievement and physical status in the minimum testing time. Simple scoring and scaling methods; simple, easily administered tests. Special attention to use of the tests of the Oregon manuals in physical education. Prerequisite: consent of instructor. MTuWTh, 4:00. 122 Physical Education. Sprague.

PE 507. Seminar: Techniques of Relaxation. 3 hours.

A study of the common causes of fatigue and neuromuscular hypertension, and the methods of combating them. Theories underlying techniques of relaxation. Individual practice in relaxation. Methods of teaching techniques of relaxation; application of these techniques in daily living and activities. Prerequisite: consent of instructor. MWThF, 10:00. Gerlinger. Poley.

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

An exploratory survey of methods utilizable by teachers of physical education for translating knowledge into a way of living. Emphasis on motivation, and on encouraging the student to think independently and to express this thinking. Not a course in activity methods. MWThF, 11:00. 114 Physical Education. Young.

PE 507. Seminar: Physical-Education Literature. 3 hours.

A survey of the basic literature, including recent publications, in the historical, kinesiological, corrective, biological, psychological, curricular, recreational, and administrative aspects of physical education in relation to objectives, principles, and measurement. MWThF, 8:00. 114 Physical Education. Young.

PE 507. Seminar: Supervision in Physical Education for City Supervisors. 3 hours.

Purposes and plans for supervision; the supervision of staff, facilities, and areas. Departmental organization, regulations, and policies. MWThF, 10:00. 122 Physical Education. Sprague.

PE 507. Seminar: Program Construction in Physical Education. 3 hours.

An advanced course for supervisors and administrators of physical-education programs. Special application to different types of administrative positions in physical education at the city, county, and state levels. Students may work directly on their own programs. MWThF, 9:00. 114 Physical Education. Sprague.

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

Formulation of a basic philosophy of physical education on the basis of its history, theories, and principles. MTuWTh, 4:00. 114 Physical Education. Young.

PE 521. Corrective Physical-Education Studies. 3 hours.

Study of the common deviations of posture and feet; causes, methods of referral when advisable, and basic principles underlying the prescriptions of exercises for those conditions which may be handled safely by the physical-

- education teacher. Prerequisite: PE 471, PE 472. MTuWTh, 1:00. Gerlinger. Poley.
- PE 542. **Measurement in Physical Education.** 4 hours.
Testing procedures important in physical education; history, scope, and methods. Lectures and laboratory. Prerequisite: elementary statistics. MTuWTh, 11:00. 122 Physical Education. Leighton.
- PE 556. **Administration of Buildings and Facilities.** 3 hours.
Building layout and equipment; relationship of the various functional units—equipment service, dressing facilities, activity spaces, administrative units, permanent and dismantlable equipment. MWThF, 9:00. Physical Education. Leighton.
- PE 566. **Research Methodology for Child Growth.** 3 hours.
Anthropometric instruments, landmarks, and methods; reliability of measurements and ratings; application of biometric procedures to cross-sectional and longitudinal data. Prerequisite: consent of instructor. MTuWTh, 1:00. 122 Physical Education. Meredith.
- PE 567. **Motor Development in Infancy and Childhood.** 3 hours.
Study of the acquisition of motor skills during the first decade of life. Prerequisite: PE 444 or Ed 460, or consent of instructor. MTuWTh, 2:00. 122 Physical Education. Meredith.
- PE 574. **Body Movement and Conditioning.** 3 hours.
Components of physical fitness; conditioning for different types and levels of physical performance. Applications of value for coaches and for teachers concerned with developing physical fitness for growth, military service, etc. MTuWTh, 3:00. 121 Gerlinger. Sigerseth.

HISTORY

Professor: BREEN. Associate Professor: POMEROY. Assistant Professor: SORENSON.
Instructors: BINGHAM, DELZELL. Teaching Fellow: CARLIN.
Visiting Faculty: MERONEY.

- Hst 202. **History of the United States.** 4 hours.
General social, political, economic, and military developments and foreign affairs, 1840-1896. Second term of regular year sequence. May be taken concurrently with Hst 203. MTuWThF, 8:00. 4 Oregon. Carlin.
- Hst 203. **History of the United States.** 4 hours.
Political, economic, and social history since 1896; the United States as a world power. Third term of regular year sequence. May be taken concurrently with Hst 202. MTuWThF, 11:00. 4 Oregon. Bingham.
- Hst 343. **Europe since 1815.** 4 hours.
European political, economic, social, and cultural developments since 1920. Third term of regular year sequence. MTuWThF, 10:00. 4 Oregon. Meroney.
- Hst 405. **Reading and Conference.** 1 to 3 hours.
Individual conferences on readings in a special field, with a written report or examination. Open only to students eligible for honors. Pomeroy, Bingham, Delzell.
- Hst 411. **History of Greece.** (G) 4 hours.
Political and cultural history of ancient Greece. MTuWThF, 11:00. 5 Oregon. Breen.
- Hst 438. **Economic History of Modern Europe.** (G) 4 hours.
The Industrial Revolution and its effects, 1750-1850. MTuWThF, 9:00. 2 Oregon. Sorenson.

- Hst 446. **Recent Germany.** (G) 4 hours.
The German Empire, the republican experiment 1918-1933, the National Socialist regime, World War II, and later developments. MTuWThF, 10:00. 5 Oregon. Delzell.
- Hst 448. **Soviet Union** (G) 4 hours.
The Revolution of 1917; Russian domestic and foreign policies from 1917 to the present. MTuWThF, 8:00. 5 Oregon. Delzell.
- Hst 476. **History of the West.** (G) 4 hours.
The frontier of the trans-Mississippi West. MTuWThF, 9:00. 4 Oregon. Pomeroy.
- Hst 477. **History of the Pacific Northwest.** (G) 4 hours.
The growth of civilization in the Pacific Northwest. Not open to those who have taken Hst 377, but meets the requirement for teacher certification. MTuWThF, 2:00. 5 Oregon. Bingham.
- Hst 481. **United States in the Twentieth Century.** (G) 4 hours.
World War I, prosperity and depression, political, economic, and social history, 1914-1932. MTuWThF, 10:00. 2 Oregon. Pomeroy.
- Hst 488. **American Economic History.** (G) 4 hours.
All phases of the economic development of the United States, 1850-1900. MTuWThF, 11:00. 2 Oregon. Sorenson.
- Hst 501. **Research.** Hours to be arranged.
Pacific Northwest. Tu, 3:00. 108 Oregon. Bingham.
- Hst 503. **Thesis.** Hours to be arranged.
- Hst 505. **Reading and Conference.** Hours to be arranged.
Pacific Northwest. MW, 3:00. 108 Oregon. Bingham.
Modern Europe. MW, 2:00. 104 Oregon. Delzell.
History of Rome. Th, 2:00. 112 Chapman. Breen.
- Hst 507. **Seminar.** 3 hours.
Middle Ages. M, 2:00-4:00. 112 Chapman. Breen.
Economic History. Th, 2:00-4:00. 4 Oregon. Sorenson.
United States. W, 2:00-4:00. 4 Oregon. Pomeroy.

JOURNALISM

Associate Professors: DUNCAN, SABINE. Visiting Faculty: F. L. KILDOW,
MRS. F. L. KILDOW, VOIGT.

Scholastic Press Short Course. A concentrated two-week short course especially designed for high-school publications advisers will be held June 25-July 7. There will be separate sections for yearbook and for newspaper advisers. The emphasis will recognize the needs both of the experienced adviser and of the newcomer to the field.

This short course will be taught by Professor and Mrs. Fred L. Kildow, who have been long identified with the National Scholastic Press Association. They will supply liberal source material from NSPA files, and will have available for study purposes the prize-winning newspapers and yearbooks of the nation.

Sessions will be held from 10:00 a.m. to noon and 2:00 to 4:00 p.m. each class day. The short course will carry 3 term hours of graduate credit in Supervision of School Publications (J 511). Students normally will be expected to enroll in either the newspaper or the yearbook sections, but may take both with special permission.

Only a limited number of students can be accommodated in the short course, and advance registration is advised. For further details, write the dean, School of Journalism, University of Oregon.

J 339. Principles of Advertising. 3 hours.

Advertising as a factor in the distributive process; the advertising agency; the "campaign"; the functions of research and testing; the selection of media—newspapers, magazines, broadcasting, outdoor advertising, direct mail. MTuWTh, 9:00. 105 Journalism. Voigt.

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

J 419. Advanced Practice. (g) 1 to 3 hours.

Advanced editorial and advertising practice. Prerequisite: consent of instructor. Time to be arranged. Duncan.

J 421, 422. Magazine Article Writing. (G) 3 hours.

A study of the problems of writing and selling articles, with emphasis on the marketing of manuscripts. Conferences. Individual projects stressed the second term. Prerequisite: J 331 or consent of instructor. MTuWTh, 1:00. 105 Journalism. Voigt.

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

Influence of opinion by major communications agencies—the press, magazines, radio, and films; theories of public opinion and propaganda; activities of pressure groups and other organized groups. Prerequisite: J 331. MTuWTh, 8:00. 105 Journalism. Duncan.

J 488. The Public and the Press. (g) 3 hours.

A description and analysis of the role of newspaper, magazines, motion pictures, radio, and television in a democratic society, with emphasis on an approved relationship between the public and the press in the mass-communications process. Not open to journalism majors. MTuWTh, 9:00. 2 U.H.S. Sabine.

J 501. Research. Hours to be arranged.

J 503. Thesis. Hours to be arranged.

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

J 507. Seminar: Society and Mass Communications.

Tu, 3:00-5:00. 101 Journalism. Duncan.

J 511. Supervision of School Publications. 3 hours.

The teacher's role in guiding student publications, teaching preprofessional journalism courses, and handling publicity in secondary schools and junior colleges. June 25-July 7. MTuWThF, 10:00-12:00, 2:00-4:00. 103 Journalism. Professor and Mrs. Kildow.

LIBRARY METHODS

Visiting Faculty: HATCH.

Lib 384. School Library Administration. 4 hours.

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

Lib 386. Acquisition and Organization of Library Materials. 4 hours.

Instruction and practice in simplified procedures for the acquisition, prepara-

tion, cataloging, classification, and circulation of books and related library materials. MTuWThF, 1:00. Library, U.H.S. Hatch.

Lib 388. Books and Related Library Materials for Young People. 4 hours.

Primarily a reading course based on materials suitable for the junior and senior high-school level. Study of reading interests and curricular needs; criteria for evaluating materials; selection aids; types of literary and informational books. Considerable emphasis on the library as an information laboratory. MTuWThF, 11:00. Library, U.H.S. Hatch.

MATHEMATICS

Professor: MOURSUND. Associate Professors: GHENT, PETERSON.
Assistant Professor: MASSEY.

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

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

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

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

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

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

It is the intention of the department to offer four of the total six terms of work in these courses each summer; the courses will be scheduled in such a manner that a student may complete two sequences in at most three summers and three sequences in at most four summers. Mth 479, Mth 489, Mth 499 and Mth 589 are being offered this summer. Mth 479, Mth 489, Mth 579, and Mth 599 in 1952; and Mth 489, Mth 499, Mth 579, and Mth 589 in 1953.

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, 9:00. 257 Emerald.

Mth 106. Plane Trigonometry. 4 hours.

Prerequisite: Mth 100 or one and one-half years of high-school algebra. MTuWThF, 8:00. 256 Emerald.

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

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

Mth 479. Algebra. (g) 3 hours.

Intended primarily for high-school mathematics teachers. Number systems, Euclid's algorithm, theory upon which algebraic operations taught in high-school are based, other selected topics. Prerequisite: analytical geometry. MTuWF, 9:00. 266 Emerald. Peterson.

Mth 489. Geometry. (g) 3 hours.

Intended primarily for high-school mathematics teachers. Geometry before 1800 A.D., Euclidean geometry after Euclid, theorems of Euclidean geometry which connect it with projective geometry, properties of the circle. Prerequisite: analytical geometry. MTuWF, 11:00. 256 Emerald. Peterson.

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

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

Mth 501. Research. Hours to be arranged.**Mth 503. Thesis.** Hours to be arranged.**Mth 505. Reading and Conference.** Hours to be arranged.**Mth 507. Seminar: Analysis.** 3-4 hours.

Topics selected from pure mathematics to meet the needs of students. Prerequisite: consent of instructor. MTuWThF, 9:00. 256 Emerald. Moursund.

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

Topics of statistical nature selected to meet the needs of students. Prerequisite: calculus. MTuWThF, 11:00. 160 Emerald. Massey.

Mth 589. 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. MTuWThF, 8:00. 204 Deady. Ghent.

MUSIC

Professor: KRATT. Associate Professors: CYKLER, NYE, VAGNER. Assistant Professors:
BOUGHTON, DIETERICH, GREEN, VANDERWICKEN. Instructor: LEE.

Mus 127. 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. 104 Music. Cykler.

Mus 195. Band. 1 hour.

MTuThF, 3:00. Music Auditorium. Vagner.

Mus 196. Orchestra. 1 hour.

MTuThF, 1:00. Music Auditorium. Boughton.

Mus 197. Choral Union. 1 hour.

MTuThF, 2:00. 202 Music. Vanderwicken.

Mus 319. 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, 3:00. 104 Music. Nye.

Mus 323. Choral Conducting. 2 hours.

The principles of conducting and training choral organizations. Practical experience with campus organizations. MWF, 9:00. 202 Music. Vanderwicken.

Mus 329. Instrumentation and Arranging. 2 hours.

MWF, 2:00. 105 Music. Lee.

Mus 351. Public-School Music Voice Class. 2 hours.

MWF, 1:00. 202 Music. Vanderwicken.

Mus 395. Band. 1 hour.

MTuThF, 3:00. Music Auditorium. Vagner.

- Mus 396. **Orchestra.** 1 hour.
MTuThF, 1:00. Music Auditorium. Boughton.
- Mus 397. **Choral Union.** 1 hour.
MTuThF, 2:00. 202 Music. Vanderwicken.
- Mus 405. **Reading and Conference.** Hours to be arranged.
- Mus 407. **Seminar: Problems in Band Techniques.** (G) 2 hours.
Problems of the high-school band; organization and administration, teaching and rehearsal techniques, the marching band, and band pageantry. MWF, 11:00. 104 Music. Vagner.
- Mus 407. **Seminar: 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. MTuThF, 10:00. 202 Music. Green.
- Mus 407. **Seminar: Problems in Percussion Techniques.** (G) 1 hour.
W, 8:00 to 10:00. 101 Music.
- Mus 407. **Seminar: Problems in Brass Instruments.** (G) 1 hour.
TuTh, 11:00. 201 Music. Lee.
- Mus 407. **Seminar: Problems in Woodwind Instruments.** (G) 1 hour.
W, 1:00 to 3:00. 201 Music. Vagner.
- Mus 407. **Seminar: Problems in String Techniques.** (G) 1 hour.
TuTh, 8:00. 204 Music. Boughton.
- Mus 427. **Special Periods in Music History.** (G) 3 hours.
MTuThF, 8:00. 104 Music. Cykler.
- Mus 432. **Advanced Conducting.** (G) 2 hours.
The routine and technique of conducting. Problems of the symphony orchestra and choral groups. Score reading. MWF, 9:00. 204 Music. Boughton.
- Mus 434. **Applied Theory.** (G) 3 hours.
A course designed primarily for school orchestra, band, and choral directors. Practical study of such problems of harmony, form, structure, counterpoint, rhythm, and intonation as they are usually encountered in the music performed by high-school organizations. This course may be counted toward the degree of Master of Science in General Studies; it may not be counted toward a music degree. Prerequisite, experience as an orchestra, band, or choral director. MTuThF, time to be arranged. 104 Music. Green.
- Mus 435. **Applied Theory.** (G) 3 hours.
Continuation of Mus 434. MTuThF, time to be arranged. 104 Music. Green.
- Mus 436. **Applied Theory.** (G) 3 hours.
Continuation of Mus 435. MTuThF, time to be arranged. 104 Music. Green.
- Mus 503. **Thesis.** Hours to be arranged.
- Mus 505. **Reading and Conference.** Hours to be arranged.
- Mus 507. **Seminar: Problems in Music Education.** 2 hours.
The presentation for research and discussion of problems in music education today. MWF, 10:00. 104 Music. Nye.
- Mus 507. **Seminar: Analysis of Music Structure.** 2 hours.
For advanced students in music education. MWF, 8:00. 202 Music. Green.
- Mus 531. **Choral Literature for Secondary Schools.** 2 hours.
MWF, 11:00. 105 Music. Nye.

Mus 534. Instrumental Literature for Secondary Schools. 2 hours.
MWF, 10:00. 105 Music. Boughton.

APPLIED MUSIC

Mus 190, 290, 390, 490. Individual Instruction. 1 to 2 hours.

Mus 590. Individual Instruction. 2 to 4 hours.

Private lessons in piano, violin, cello, and voice: one lesson per week for eight weeks, \$21.00; two lessons per week, \$40.00. Private lessons in any of the wind instruments: one lesson per week for eight weeks, \$14.00; two lessons per week, \$26.00. Practice-room fee: one hour daily, \$2.00.

HIGH-SCHOOL MUSIC SUMMER SESSION

IRA LEE, Director

A three-week summer session for high-school students in orchestral and band instruments, and vocal music will be held on the campus from June 25 to July 13. Observation of the rehearsals of the high-school groups will be interesting and valuable to high-school music teachers.

PHILOSOPHY

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

Phl 201. Elementary Logic. 3 hours.

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

Phl 203. Elementary Ethics. 3 hours.

An introduction to problems which mark the philosophical study of morality, e.g., right and wrong, free will and determinism, morals and society, etc. MTuWF, 9:00. 202 Chapman. Jessup.

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

Phl 441. Aesthetics. (G) 3 hours.

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

Phl 503. Thesis. Hours to be arranged.

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

Phl 507. Seminar: Philosophical Issues in Modern Education. 4 hours.

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

PHYSICS

Professors: ELLICKSON, NORRIS. Assistant Professors: DART, HOYT.

The work in General Physics is identical with the year sequence offered in the regular year. This sequence is the essential prerequisite for more advanced work in physics. It is especially valuable to high-school teachers.

Ph 201. 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, MTuWTh, 8:00. 103 Deady. Norris, Hoyt.

- Ph 201L. **General Physics Laboratory.** 1 hour.
Designed to accompany Ph 201. M, 2:00-5:00. 101 Deady. Hoyt, Dart.
- Ph 202. **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. Lectures, MTuWTh, 9:00. 105 Deady. Norris, Hoyt.
- Ph 202L. **General Physics Laboratory.** 1 hour.
Designed to accompany Ph 202. Tu, 2:00-5:00. 101 Deady. Hoyt, Dart.
- Ph 203. **General Physics.** 3 hours.
Light and modern physics. This course with Ph 203L is the equivalent of Ph 203, third term of the regular sequence in General Physics. Lectures, MTuWTh, 10:00. 103 Deady. Ellickson.
- Ph 203L. **General Physics Laboratory.** 1 hour.
Designed to accompany Ph 203. W, 2:00-5:00. 101 Deady. Ellickson.
- Ph 444. **Frontiers in Physics.** (g) 3 hours.
Designed especially for high-school science teachers. The physical principles underlying recent developments such as nuclear physics, rocket and jet propulsion, and radioactive isotope research, and the development and uses of atomic energy discussed and analyzed, with the intention of providing an adequate background for the discussion of these problems with high-school students. Lectures, MTuWTh, 11:00. 105 Deady. Dart.
- Ph 501. **Research.** Hours to be arranged.
- Ph 503. **Thesis.** Hours to be arranged.
- Ph 505. **Reading and Conference.** Hours to be arranged.

POLITICAL SCIENCE

Professor: SCHLEICHER. Assistant Professor: OSTROM.

- PS 411. **Introduction to Public Administration.** (G) 4 hours.
A study of the dynamics of administration in the organization and conduct of governmental agencies for carrying out public policies, with special reference to the Federal government and the government of Oregon. MTuWThF, 9:00. 107 Oregon. Ostrom.
- PS 420. **International Organization.** (G) 4 hours.
A brief survey of international organization prior to 1945, followed by a consideration of the United Nations as a security and welfare agency. MTuWThF, 10:00. 107 Oregon. Schleicher.
- PS 491. **American Democracy and the Challenge of Communism.** (G) 4 hours.
The impact of Russian communism on the domestic and foreign policies of the United States in the postwar world. MTuWThF, 11:00. 107 Oregon. Schleicher.
- PS 501. **Research.** Hours to be arranged.
- PS 503. **Thesis.** Hours to be arranged.
- PS 505. **Reading and Conference.** Hours to be arranged.
Problems of Public Administration. Ostrom.
United States Foreign Policy. Schleicher.

PSYCHOLOGY

Associate Professor: TYLER. Instructor: HUBBARD. Visiting Faculty: BECK.

Nine term hours of work in psychology, or equivalent, are an indispensable prerequisite to all upper-division courses.

Psy 204. Psychology of Adjustment. 3 hours.

The nature and origins of differences in personality; means of making desired changes. Prerequisite: Psy 201, 202 or an equivalent introductory course in general psychology. MTuWTh, 9:00. 301 Condon. Hubbard.

Psy 411. Genetic Psychology. (G) 3 hours.

Growth of behavior during prenatal period, infancy, and childhood. Development of muscular activities, perception, emotional adjustment, intelligence, language, and social behavior in childhood. Graduate students desiring graduate credit must also register for Seminar in Child Psychology (Psy 507). MTuWTh, 8:00. 301 Condon. Beck.

Psy 412. Adolescence, Maturity, and Senescence. (G) 3 hours.

Study of the behavior changes during preadolescence, adolescence, maturity, and old age. Intended to follow Psy 411. MTuWTh, 10:00. 207 Chapman. Tyler.

Psy 413. Abnormal Psychology. (G) 3 hours.

Various forms of unusual behavior, including anxiety states, hysteria, hypnotic phenomena, and psychoses. Normal motives and adjustment mechanisms as they are exaggerated in the so-called neurotic person. Graduate students desiring graduate credit must also register for Seminar in Abnormal Psychology (Psy 507). MTuWTh, 11:00. 207 Chapman. Beck.

Psy 431, 432. Clinical Psychology. (G) 4 hours.

Application of psychological methods to the study of the individual; survey of intelligence, achievement, special-aptitude, and personality tests; theoretical and statistical background for interpretation of test scores; training in diagnosis of actual cases. Prerequisite: equivalent of 6 term hours in upper-division psychology or consent of instructor. MTuWThF, 1:00. 301 Condon. Hubbard.

Psy 434. Mental-Testing Laboratory. (G) 2 hours.

Supervised practice in the administration and scoring of individual and group intelligence tests and various tests of achievement, special aptitude, and personality. Prerequisite: consent of instructor. TuWTh, 3:00-5:00. 302 Condon. Hubbard.

Psy 435. Counseling Procedures. (G) 3 hours.

Counseling problems of various types. Methods of interviewing for different purposes. Sources of vocational information. Diagnosis of individual cases. Evaluation of counseling programs. Prerequisite: consent of instructor. MTuWTh, 2:00. 207 Chapman. Tyler.

Psy 501. Research. Hours to be arranged.

Psy 503. Thesis. Hours to be arranged.

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

Psy 507. Evaluation of Instructional Films. Hours to be arranged.

W, 9:00. 302 Condon. Beck.

SOCIOLOGY

Associate Professor: FOSKETT. Assistant Professor: JAMES. Visiting Faculty: CLARK.

- Soc 206. **General Sociology: Social Problems.** 3 hours.
Analysis of major social problems. Designed to meet needs of prospective social-science teachers. Soc 204, 205 not required for admission. MTuWTh, 2:00. 201 Oregon. FOSKETT.
- Soc 334. **Social Psychology.** 3 hours.
Analysis of the psychological and sociological processes involved in personality formation and in various forms of group behavior. Particular attention to origin, function, ideologies, membership, and leadership. MTuWTh, 8:00. 201 Oregon. CLARK.
- Soc 338. **Marriage and the Family.** 3 hours.
The role of the family in the development of personality. Mate selection and courtship; marital discord and adjustment. MTuWTh, 10:00. 206 Oregon. JAMES.
- Soc 437. **Sociology of Race Relations.** (G) 3 hours.
The development of "race consciousness" and emergent problems of race-culture contacts. MTuWTh, 9:00. 201 Oregon. CLARK.
- Soc 452. **History of Social Thought since 1900.** (G) 3 hours.
A study of Ward and later American sociologists. MTuWTh, 1:00. 201 Oregon. FOSKETT.
- Soc 537. **Social Movements.** 3 hours.
Study of the endeavors of groups of people to alter the course of events by their joint activities. Social and psychological factors which give rise to social movements and determine their course; the relation of such purposive collective activity to the process of social and cultural change. MTuWTh, 11:00. 201 Oregon. CLARK.
- Soc 501. **Research.** Hours to be arranged.
- Soc 503. **Thesis.** Hours to be arranged.
- Soc 505. **Reading and Conference.** Hours to be arranged.

SPEECH

Professor: McCALL. Associate Professors: ROBINSON, WOOD. Assistant Professor: MONTGOMERY. Instructor: SCHLOSSER.

- Sp 111. **Fundamentals of Speech.** 4 hours.
Projects in extempore speaking. Primary emphasis on content, organization, and adjustment to the speaking situation. MTuWThF, 8:00. 205 Villard. MONTGOMERY.
- Sp 261. **Fundamentals of Stagecraft.** 4 hours.
Planning and construction of stage settings and properties; principles of lighting; mechanics of the physical stage. Practical experience in connection with the production of plays. Time to be arranged. SCHLOSSER.
- Sp 351. **Technique of Acting.** 4 hours.
Principles of acting technique. Problems in the analysis and presentation of character. MTuWThF, 9:00. 102 Villard. ROBINSON.
- Sp 411. **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, 9:00. 201 Villard. McCall.

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

Forms and methods in public speech as they relate to audience psychology and special situations. Study of forum, panel, committee, lecture, and parliamentary principles in terms of factors of attention, information, and persuasion. Special consideration of the needs of school administrators in public relations. MTuWThF, 10:00. 205 Villard. Montgomery.

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

Emphasis on cleft-palate and spastic speech, aphasia, stuttering, and allied psychogenic disorders. MTuWThF, 11:00. 205 Villard. Montgomery.

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

Study of specific approaches and techniques used in treatment of the major speech defects, including functional articulatory difficulties, cleft-palate speech, stuttering, and neurological speech disorders. MTuWThF, 10:00. 101 Villard. Wood.

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

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

Sp 487. **Rehabilitation of the Hard-of-Hearing.** (G) 2 to 4 hours.

The nature of hearing; treatment of speech defects due to hearing loss; use of the audiometer; principles of auditory training and lip reading. Presentation of actual cases with hearing disability and demonstration of treatment. MTuWThF, 8:00. 101 Villard. Wood.

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

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

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

Sp 507. **Seminar: Advanced Technical Practice in Dramatic Production.** 2 to 4 hours. Schlosser.

Sp 507. **Seminar: Dramatic Production.** 2 to 4 hours.
Robinson.

Sp 507. **Seminar: The Speech Program.** 2 to 4 hours.
McCall.