

UNIVERSITY OF
OREGON BULLETIN

Summer Session

June 19 to August 11
1950

Eugene, Oregon

OREGON STATE SYSTEM OF HIGHER EDUCATION

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Oregon State System of Higher Education

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

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

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

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

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University of Oregon

Summer Session 1950

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- CHARLES FREDERICK ZIEBARTH, M.A., Associate Professor of Business Administration.

Summer Session Calendar

June 19—August 11, 1950

June 19	Registration
June 20	Classes begin
June 22	Last day for payment of registration fee without penalty
June 28	Last day for adding a course
July 4	Holiday
July 15	Last day for withdrawal from a course
July 28	Last day for filing graduate theses
August 10, 11	Final examinations

General Information

THE forty-sixth annual summer session of the University of Oregon will be organized as a single session of approximately eight weeks between June 19 and August 11, 1950.

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

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

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

Enrollment in the program is open to any person who is eligible for admission to the Graduate School; the student must, however, have a reasonable background of undergraduate study in the fields or departments in which he proposes to work,

and must complete prerequisites for specific courses. The requirements for the degree of Master of Science in General Studies are:

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

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

(b) Between 9 and 15 term hours in graduate courses in the field of education, the number of hours to be determined on the basis of the work in education completed by the student as an undergraduate. (The state certification requirement specifies 9 term hours of 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. These degrees are 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.

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

Admission as Degree Student. To earn credits toward an advanced degree at the University of Oregon, the student must clear his admission with the Registrar's Office before registering, preferably before coming to the campus.

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

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

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

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

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 19; classes will begin Tuesday morning, June 20. 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.)

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 more than 5 term hours of work pay this fee. There is no additional out-of-state tuition for the summer session.	
Part-time fee	\$14.00 to \$35.00
1 or 2 term hours, \$14.00; 3 term hours, \$21.00; 4 term hours, \$28.00; 5 term hours, \$35.00.	
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 22.	
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 39

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

Most of the dormitory rooms available are for multiple occupancy; the few single rooms will be reserved for those who first make deposits with request 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:

	Multiple Occupancy	Single Occupancy	Board*	Total, Board & Room Multiple	Single
Straub (men):					
Eight-week session.....	\$38.00	\$57.00	\$82.00	\$120.00	\$139.00
Per week.....	6.00	9.00	12.00	18.00	21.00
Per day.....	1.50	2.00	2.05†	3.55	4.05
Carson (women):					
Eight-week session.....	\$50.00	\$75.00	\$82.00	\$132.00	\$157.00
Per week.....	8.00	12.00	12.00	20.00	24.00
Per day.....	2.00	2.50	2.05†	4.05	4.55

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

	Carson		Straub	
	Multiple	Single	Multiple	Single
At the opening of session.....	\$ 66.00	\$ 78.50	\$ 60.00	\$ 69.50
July 1-7, inclusive.....	66.00	78.50	60.00	69.50
	\$132.00	\$157.00	\$120.00	\$139.00

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 25, or if the second installment is not paid by July 7.

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

The dormitories will be open for the summer session at 2:00 p.m. on Sunday, June 18; the first meal served will be breakfast on Monday. The dormitories will close Saturday noon, August 12; 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.

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

† Rates per meal: breakfast, 45 cents; lunch, 60 cents; dinner, \$1.00.

Housing for Veterans. Living accommodations for unmarried veterans will be available in the University dormitories; reservations should be made in advance, as indicated above. The University operates a considerable number of housing units for married veterans, a few of which may be available for the summer session. Married veterans interested in these quarters should write to D. H. Williams, University Business Office. Married veterans seeking off-campus living quarters in Eugene for the summer session should consult the Housing Secretary at the time of registration or shortly before, and then make their own individual arrangements with householders or managers of apartments.

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

- (1) 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.

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

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

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

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

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

Employment Service. The University maintains an employment service for students desiring part-time work while in attendance at the University. This service is available to summer-session students. Those interested in learning of opportunities for part-time work should write to Employment Secretary, University of Oregon, 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 and basketball will be conducted on the campus from July 10 to 21.

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 four-week period, June 19 to July 14. Tuition charge for the four weeks is \$20.00. The program includes group rehearsals, full rehearsals, and private instruction. Room and board in University dormitories will be furnished for \$53.00. Recreational facilities are available for all who enroll. Interested high-school students should write to John Stehn, 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

Associate Professor: BARNETT. Assistant Professor: STERN.

Anth 209. Introduction to Cultural Anthropology. 4 hours.

A comparative study of culture from the standpoint of the varying emphases placed upon different aspects of the total culture. Cultural patterning in terms of the elaboration of major and minor interests. Brief sketches of selected native cultures illustrating the diversity of value systems. MTuWThF, 9:00. 204 Chapman. Barnett.

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

Field study of social anthropology on the Klamath Indian Reservation. Pre-requisite: consent of instructor. Stern.

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

The nature and distribution of races; the criteria for racial groupings; racial differences and similarities, psychologically and physically; the question of racial superiority; the problem of race prejudice. MTuWThF, 11:00. 204 Chapman. Barnett.

Anth 501. Research. Hours to be arranged.**Anth 503. Thesis.** Hour to be arranged.**Anth 507. Seminar.** Hour to be arranged.

Administrative problems with reference to native peoples. Prerequisite: consent of instructor. Barnett.

ARCHITECTURE AND ALLIED ARTS

Professors: HANNAFORD, LITTLE. Associate Professor: HAYDEN.

Assistant Professors: ANDREWS, BELSER, FERENS, TREADAWAY.

Instructors: HEIDEL, ALEXANDER, MCNOWAN, MILLER, PRASCH, RYAN.

Visiting Faculty: EWING, MUNDT, REIGGER.

The summer courses in art and applied design will be adapted to the needs of both teachers and regular art students. Separate sections will be offered in oil painting and water color. Instruction will be provided also in ceramics, weaving, and jewelry. Sections for both beginners and advanced students are scheduled.

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

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

ARCHITECTURE**AA 318, 319. Construction II.** 3 or 4 hours.

Continuation of AA 220, 221, 222, which is prerequisite. Materials and methods of building construction, with emphasis on their use in architectural design. Masonry construction; specifications; methods of preparing materials and labor estimates; determination of building costs; building codes and their effect on architectural design. MTuWThF, 9:00-12:00.

AA 417. Construction IV. 3 or 4 hours.

Working drawings, including scales and full-size details. MTuWThF, 9:00-12:00. 200 Architecture.

AA 420, 421. Construction VI. (G) 3 or 4 hours.

Mechanical accessories to buildings; plumbing, heating, ventilation, electric lighting, acoustics. Prerequisite: Ph 369, 370, 371. MTuWThF, 9:00-12:00.

AA 469, 471. Construction V. 3 or 4 hours.

Continuation of AA 369, 370, 371, which is prerequisite. Wood and steel building trusses, reinforced-concrete building construction; retaining walls, footings, and foundation for buildings. MTuWThF, 1:00-4:00.

AA 496. Upper-Division Architectural Design.** (G) 2 to 8 hours.**DRAWING AND PAINTING**AA 290. Lower-Division Painting.** 2 or 3 hours.

Two sections, one for oil painting and one for watercolor. Creative color compositions, work with the figure, still life, and landscape. Emphasis on creative

* The student works one-half day for each hour of credit.

design. Special attention to the problem of the elementary and high-school teacher. MTuWThF, 9:00-12:00 or 1:00-4:00. Architecture Studio.

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

Training in observation and selection of significant elements and their representation in various media. Two sections, beginners and intermediate. MTuWThF, 9:00 to 12:00 or 1:00-4:00. Architecture Studio.

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

Advanced problems in portrait, figure, and still life in all media. MTuWThF, 9:00-12:00 or 1:00-4:00. Architecture Studio.

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

Advanced work in drawing; study of form from the figure. MTuWThF, 9:00-12:00 or 1:00-4:00. Architecture Studio.

APPLIED DESIGN

†AA 296. Lower-Division Applied Design. 2 to 4 hours.

Prerequisite: AA 195 or consent of instructor. Open to nonmajors, with consent of instructor, if facilities are available.

Ceramics: Survey of ceramic materials and processes; preparation of clays and glazes; study of contemporary form, color, and texture; firing techniques as related to materials; stacking and drawing the kiln; observation of firing. MTuWThF, 9:00-12:00 or 1:00-4:00. Reigger.

Weaving: Preparation of the loom for weaving; entering and heddlng the warp; study of basic weaves on two- and four-harness looms; other techniques—laid-in, tapestry, knotting, and tufting; study of color, textures, and materials of loomed fabrics; analysis of weaves. MTuWThF, 9:00-12:00 or 1:00-4:00.

Jewelry: Study of metals and processes; development of jewelry design as evolved from processes; study of stones and gems; setting of stones in metal.

†AA 496. Upper-Division Applied Design. (G) 2 to 6 hours.

No grade course. Prerequisite: minimum of two terms or 6 term hours in same division of AA 296, or equivalent.

Ceramics: Emphasis on creative work with ceramic materials; firing practice; methods of mass production for the small studio, mould making and casting; brief survey of industrial methods. MTuWThF, 9:00-12:00 or 1:00-4:00. Reigger.

Weaving: Differentiation of creative work in weaving into various fields, such as costume, drapery, and upholstery fabrics; advanced problems in weave analysis.

BIOLOGY

Professor: HUESTIS. Instructor: LOCKLEY.

Bi 408. Laboratory Projects. (G) 3 hours.

Techniques and projects, designed to acquaint prospective teachers and graduate students with standard and special methods in biological studies. Laboratory, TuTh, 1:00-5:00. 305 Deady. Lockley.

Bi 442. Genetics. (g) 3 hours.

Heredity and variations in plants and animals. MTuWTh, 8:00. 105 Deady. Huestis.

Bi 464. Principles of Ecology. (G) 3 hours.

Interrelations, distribution, habitats, and identification of plants and animals.

* The student works one-half day for each hour of credit.

† The student works four half days, morning or afternoon, for each 3 hours of credit.

Field studies in conjunction with this course may be taken under Bi 471. Lectures, MTuWTh, 9:00. 105 Deady. Lockley.

Bi 501. **Research.** Hours arranged.

Bi 503. **Reading and Conference.** Hours arranged.

Bi 505. **Thesis.** Hours arranged.

BUSINESS ADMINISTRATION

Professor: BALLAINE. Associate Professor: ZIEBARTH.
Assistant Professors: FORD, GREENE, RICHINS, SMITH.
Instructor: PEITERSEN.

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

An introduction to the field of accounting and business administration. Technique of account construction; preparation of financial statements. Application of accounting principles to practical business problems; study of proprietorship from the standpoint of the single owner, the partnership, and the corporation. BA 111, MTuWThF, 8:00. 106 Commerce. BA 112, MTuWThF, 9:00. 106 Commerce. BA 113, MTuWThF, 9:00. 106 Commerce.

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. SS 121, MTuWThF, 10:00. 208 Commerce. SS 122, MTuWThF, 10:00. 208 Commerce.

SS 211. **Applied Stenography.** 3 hours.

Development of speed in taking dictation and in transcription. Advanced phrasing and vocabulary. Intensive work with business letters, forms, and reports. Verbatim conference reporting. MTuWThF, 10:00. 208 Commerce.

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

Basic principles of cost accounting; departmentalization; expense allocation; designed primarily for students interested in general accounting. Prerequisite: BA 111, 112, 113. MTuWThF, 8:00. 206 Commerce. Smith.

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

How a modern business enterprise is launched, secures long- and short-term funds, manages its capital and earnings; public control of financial institutions. Required of all majors. Prerequisites: BA 111, 112, 113. MTuWThF, 1:00. 107 Commerce. Ford.

BA 223. **Elements of Marketing.** 4 hours.

Methods, policies, and problems. Private and cooperative channels, auctions, exchanges, middlemen; demand creation, assembly standardization, packaging, financing, risk taking, distribution. MTuWThF, 11:00. 107 Commerce. Peitersen.

BA 339. **Principles of Advertising.** 4 hours.

Advertising as a factor in the distributive process; the advertising agency; the "campaign"; function of research and testing; use of media; newspapers, magazines, broadcasting, outdoor advertising, direct mail, etc. MTuWThF, 10:00. 106 Commerce. Richins.

BA 401. **Research.** Hours to be arranged.

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

BA 407. **Seminar in Business Problems.** (G) Hours to be arranged.

Prerequisite: BA 222, 223; consent of instructor. Ziebarth.

BA 411. Business Public Relations. 4 hours.

Public relations of business firms; tools and techniques for determining public reactions; methods of securing good public relations. Open to nonmajors with consent of instructor. MTuWThF, 2:00. 107 Commerce. Ford.

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

Studies the employer-employee relationship, and of the function of personnel management in the modern business organization. Survey of personnel policies and practices most effective in maintaining good personnel relations, including systematic wage and salary administration. Attention to the problems of small organizations, as well as large. MTuWThF, 3:00. 106 Commerce. Ford.

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 423. Problems in Business Education. (G) 4 hours.

Examination of current literature and text material. Work-experience programs; standards of achievement; guidance programs; placement and follow-up; use of community resources; equipment; in-service training for teachers; business entrance tests; supervision; evaluation of current methods; auditory and visual aids. Special attention to problems growing out of needs and interests of students enrolled. Prerequisite: consent of instructor. Hours to be arranged. Smith.

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

Nature and scope of production processes; economic, technological, regional, and managerial organization of production; plant location; design and layout; control of plant investment; working-capital investment and labor costs; planning production operations. Prerequisite: BA 111, 112, 113; BA 222, 223. MTuWThF, 2:00. 106 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. 107 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, 8:00. 107 Commerce. Richins.

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

Coordination of the specialized work given in the School of Business Administration; the interdependence of different departments of a business concern. Prerequisites: BA 222, 223. MTuWThF, 1:00. 106 Commerce. Ziebarth.

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

Financial problems involved in promotion, organization, obtaining permanent and working capital, bank loans, commercial-paper borrowing, management of earnings, administration policies, and reorganization. MTuWThF, 10:00. 107 Commerce. Greene.

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

Services, operations, and economic effects of financial institutions and government lending agencies with which businessmen come in contact. Emphasis on commercial banks. MTuWThF, 9:00. 7 Commerce. Ballaine.

BA 466. Business Cycles. (G) 4 hours.

Study of economic changes; classification and analysis of business-cycle theories. The availability, use, and limitations of business barometers in forecasting; their possible application to the business enterprise. Prerequisite: junior standing. MTuWThF, 11:00. 7 Commerce. Greene.

BA 480. Life Insurance. (G) 4 hours.

Types of life insurance, contracts, rate making, reserves, selections of risk, life insurance and the state. Prerequisite: consent of instructor. MTuWThF, 8:00. 7 Commerce. Greene.

BA 501. Research. Hours to be arranged.**BA 503. Thesis.** Hours to be arranged.**CHEMISTRY**

Professors: KUNZ, RYSSELERGHE.

Assistant Professors: REITHEL, SWINEHART, DEAN, GAERTNER.

Ch 220. Analytical Chemistry. 4 or 5 hours.

Lectures on the fundamentals of qualitative and quantitative analysis. Laboratory devoted primarily to quantitative analysis. Prerequisite: Ch 203. Lectures, MTuWTh, 8:00. 105 McClure. Laboratory, M, 1:00-5:00; also W, 1:00-5:00 for those enrolled for 5 hours. Kunz.

Ch 499. Survey of Physical Chemistry. (g) 4 hours.

Designed for students interested in teaching high-school chemistry, pre-medical students, and others not having the prerequisites for Ch 440. Lectures and laboratory concerned with fundamental physical-chemical principles, with special emphasis on application in related fields such as biology and biochemistry. Prerequisite: Ch 220 or equivalent. Lectures, MTuWTh, 9:00. 105 McClure. Laboratory, Tu, 1:00-5:00. Kunz.

Ch 501. Research. Hours to be arranged.**Ch 503. Thesis.** Hours to be arranged.**Ch 505. Reading and Conference.** Hours to be arranged.**Ch 507. Seminar.** Hours to be arranged.

Problems arising in the teaching of science courses. Kunz.

ECONOMICS

Associate Professor: KLEINSORGE. Instructor: ROBBINS.

Ec 201. Principles of Economics. 3 hours.

An introduction to national-income analysis, money and banking, and the elements of demand and supply. Prerequisite: sophomore standing. TWThF, 9:00. 106 Oregon. Kleinsorge.

Ec 401. Research. Hours to be arranged.

Kleinsorge.

Ec 411. Money and Banking. (G) 3 hours.

General principles underlying modern problems of money and banking. MTuThF, 8:00. 107 Oregon. Robbins.

Ec 425. Labor Problems. (G) 3 hours.

Conditions of labor since the Industrial Revolution. The labor market; wages; hours; unemployment. Prerequisite: Ec 201, 202, 203. TuWThF, 10:00. 106 Oregon. Kleinsorge.

Ec 438. Government Control of Private Business. (G) 3 hours.

Survey of the general movement to subject business and personal and property rights to government regulation. Emphasis on the expanding power of the Federal government. MTuThF, 11:00. 107 Oregon. Robbins.

Ec 440. International Trade. (G) 3 hours.

Theory of international trade; nature and effects of governmental interference; economic effects of World War II. MTuThF, 9:00. 107 Oregon. Robbins.

Ec 468. Economic History of Modern Europe. (G) 4 hours.

European economic development and its effects on society since 1850; the concentration of industry. MTuWThF, 9:00. 5 Oregon. Sorenson.

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

Economic developments and problems in the United States since 1870. MTuWThF, 10:00. 5 Oregon. Sorenson.

Ec 501. Research. Hours to be arranged.

Kleinsorge.

Ec 503. Thesis. Hours to be arranged.

Kleinsorge.

EDUCATION

Professors: AVERY, CASTELL, HUFFAKER, JACOBSON, KAMBLY, KILLGALLON, WOOD.

Assistant Professors: EISERER, LANGSTON. Instructor: HUMMEL.

Visiting Faculty: ASELTINE, BRUNER, COSTIN, CROUTER, FALK, HAYES, HINES, HOGG, LIPTON, LOBAUGH, LOGSDON, OTTO, SNYDER, STROETZER, TAYLOR.

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.

An exceptionally able staff will direct and participate in the program. Herbert B. Bruner, now superintendent of schools at Minneapolis, was for years a leading curriculum specialist, headed the Curriculum Department at Teachers College, Columbia University, and was a consultant for many curriculum-revision programs. Quirinus Breen, associate professor of social science, and John M. Foskett, associate professor of sociology, at the University of Oregon, have participated rather extensively in the Oregon in-service training program. William Hayes, now dean of men and assistant professor of education at Santa Barbara College, California, was formerly engaged in curriculum work at the elementary level at Santa Barbara. Dean Lobaugh, assistant superintendent of schools, Eugene, coordinates and directs the curriculum work of the Eugene schools, one of the first school systems to introduce the "Social Living" core program, and has taught curriculum courses at the University as a visiting professor for several years. J. D. Logsdon, principal, Shorewood High School, Shorewood, Wisconsin, has taught classes at

the University as a visiting professor for the past two summers. Henry J. Otto, professor of elementary administration and curriculum at the University of Texas, has had wide experience in elementary-school curriculum and graduate courses in "Teaching of Social Studies." Hugh B. Wood, professor of education and director of the Curriculum Laboratory at the University of Oregon, has been engaged in curriculum work for fifteen years; as a member of Oregon Education Association Committee for Improvement of Instruction and the Oregon State Social Studies Course Commission and coordinator and participant for the state in-service training programs, he has gained wide understanding of the social-education program in Oregon.

Teachers interested in the program should plan to devote their entire time to it, and should register for 12 hours of credit, as follows:

All Teachers:

Ed 508. Curriculum Workshop in Social Education. 4 hours. 2:00-4:00. Eight weeks.

Elementary Teachers—8 hours from the following:

- *Ed 435. Audio-Visual Aids in Education. 4 hours. 10:00-12:00. Second four weeks. DeBernardis.
- *Ed 581. Curriculum Foundations. 4 hours. 10:00-12:00. June 26-July 10. Bruner.
- *Ed 582. Curriculum Survey. 4 hours. 10:00-12:00. First four weeks. Lobaugh.
- Ed 552. The American Elementary School. 4 hours. 10:00-11:00. Eight weeks. Langston.
- Ed 409. Psycho-Education Clinic. 4 hours. 10:00-12:00. Eight weeks. Killgallon.
- Ed 465. Diagnostic and Remedial Techniques. 4 hours. 9:00. Eight weeks. Killgallon.
- Ed 507. Seminar: Problems of Elementary Education. 4 hours. 1:00. Eight weeks. Langston.
- Ed 508. Workshop in Primary Education. 4 hours. 9:00. Eight weeks. Langston.

Secondary Teachers—8 hours from the following:

- *Ed 435. Audio-Visual Aids in Education. 4 hours. 10:00-12:00. Second four weeks. DeBernardis.
- *Ed 581. Curriculum Foundations. 4 hours. 10:00-12:00. June 26-July 10. Bruner.
- *Ed 582. Curriculum Survey. 4 hours. 10:00-12:00. First four weeks. Lobaugh.
- Ssc 411. Social-Science Synthesis for Teachers. 4 hours. 9:00. Eight weeks. Breen.
- Soc 411. American Problems. 4 hours. 1:00. Eight weeks. Foskett.
- Anth 411. Problems of Race and Culture. 4 hours.
- Ec 425. Labor Problems. 3 hours.
- Hst 489 or Ec 489. American Economic History. 4 hours.
- Hst 482. United States in the Twentieth Century. 4 hours.
- Soc 507. Seminar: Class Structure of the American Community. 3 hours.
- Sp 424. Speech Forms and Techniques in Group Control. 4 hours.

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), intensive seminars on the visually, auditorally, physically, and emotionally exceptional children are available. The seminars will be conducted by members of the Division of Special Education of the Oregon State Department of Education (Mr. Walter Snyder, director) and by Dr. C. R. Strother, of the Department of Psychology, University of Washington.

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, 9:00. 4 Education. Logsdon.

Ed 313. Principles of Teaching. 3 hours.

Study of the actual classroom teaching process, including classroom organization and management, planning teaching units, evaluating pupil learning, and similar problems. Prerequisite: Ed 312. MTuWTh, 2:00. 4 Education. Kambly.

* Student selecting courses from this group should register for Ed 435 and either Ed 581 or Ed 582.

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

Analysis of the Oregon school system and of the laws on which the system is based. Problems of Oregon schools, plans proposed for their solution, and trends in educational development in the state. Prerequisite: Ed 311. MWF, 8:00. 4 Education. Hummel.

Ed 409. Psycho-Education Clinic. (G) 4 or 6 hours.

Application of clinical techniques to selected reading on disability cases. Prerequisite: Ed 465 and Psy 431 or equivalent. MTuWThF, 10:00-12:00; additional hours by arrangement. U.H.S., Art Room. Killgallon, Hogg.

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

(Second four weeks.) The development and use of audio-visual aids in education. Emphasis on actual learning situations in which radio recordings, films, slides, pictures, maps, charts, etc. are utilized. Sources of materials and equipment; administration of program. MTuWThF, 10:00-12:00. 4 U.H.S. DeBernardis.

Ed 461. Adolescence: Growth and Development of the Individual. (G) 3 hours.

Processes through which the normal human being reaches maturity, acquires effective use of his bodily equipment and learning capacity, and makes satisfactory personal and social adjustments. MTuWThF, 10:00. 4 Education. Costin.

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

Principles, methods, and materials of diagnostic and remedial teaching in the basic school subjects. MTuWThF, 9:00. U.H.S., Art Room. Killgallon, Hogg.

Ed 507. Seminar: Problems of Elementary Education. 4 hours.

The teacher's role in meeting the needs of elementary-school children in the modern elementary-school classroom. Consideration given to the organization of materials for meeting the range of individual differences normally encountered in elementary-school classrooms. MTuWThF, 1:00. U.H.S. Langston, staff.

Ed 507. Seminar in Science. 4 hours.

Selection of areas of instruction in science; science units, techniques of instruction for both elementary- and secondary-school science; materials for science teaching. Open to all persons interested in the teaching or supervision of sciences in elementary or secondary schools. MTuWThF, 1:00. 3 Education. Kambly.

Ed 507. Seminar: Social Hygiene. 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. MTuWThF, 1:00. 114 Physical Education. Moorhead, Avery.

Ed 507. Seminar in Special Education. 2 to 8 hours.

Offered jointly by the University and the Oregon State Department of Public Instruction. Intended for students interested in preparation for special-education certification or in making an intensive study of an individually significant problem in the field. Registration for any one or more of the following four units accepted:

The Deaf and Hard-of-Hearing. 2 hours. (First two weeks.) MTuWThF, 1:00-3:00. U.H.S., Music Room. Snyder, staff.

The Blind and Partially Sighted. 2 hours. (Second two weeks.) MTuWThF, 1:00-3:00. U.H.S., Music Room. Snyder, staff.

The Crippled. 2 hours. (Third two weeks.) MTuWThF, 1:00-3:00. U.H.S., Music Room. Snyder, staff.

The Maladjusted. 2 hours. (Fourth two weeks.) MTuWThF, 1:00-3:00. U.H.S., Music Room. Strother.

Ed 508. Workshop in Primary Education. 4 hours.

A workshop for primary- and intermediate-grade teachers in which they may solve problems growing out of their specific teaching situations. MTuWThF, 9:00. 3 U.H.S. Langston, staff.

Ed 508. Curriculum Workshop in Social Education. 4 hours.

Workshop for teachers of social education (social studies, language arts, and other related areas, grades one through twelve). Study, examination, and discussion of all professional aspects of the social-education program: organization, techniques, materials, evaluation, etc. Provision for entire school groups and other special-interest groups to work together. (See page 22.) MTuWThF, 2:00-4:00. 3 U.H.S. Wood, Breen, Bruner, Foskett, Hayes, Logbaugh, Logsdon, and others.

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. MTuWThF, 12:00. 4 Education. Wood.

Ed 515. Educational Statistics. 3 hours.

Techniques in quantitative and experimental methods. Calculus not required. Integrated with Mth 325. Prerequisite: graduate standing. MTuWF, 9:00. 160 Emerald. Massey.

Ed 516. Educational Statistics. 3 hours.

Technique in quantitative and experimental methods. Analysis of variance, correlation, and testing of statistical hypothesis. Integrated with Mth 326. Prerequisite: Ed 515. MTuWF, 11:00. 160 Emerald. Massey.

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

An advanced course for experienced teachers. The school in the community; guidance activity in the school; extraclass activities, the role of the school in contemporary society; the teacher in the local community. MTuWThF, 11:00. 4 Education. Jacobson.

Ed 523. School Activity Program. 4 hours.

Theories involved in extraclass activities; objectives, organization, and supervision; student participation in social control; major and minor activities; problems of coordination, finance, and teacher personnel. MTuWThF, 9:00. 2 Education. Aseltine.

Ed 524. Measurement in Education. 4 hours.

Characteristics and desirable uses of various tests and scales for measuring student achievement. Construction of achievement tests. Such elements of statistical method taught as are necessary for intelligent use of tests. MTuWThF, 3:00. 3 Education. Costin.

Ed 525. Pupil Personnel Work. 4 hours.

Nature and causes of problems in adolescent development and adjustment; procedures and techniques in case work; organization of personnel work; the qualifications, training, and duties of personnel officers. MTuWThF, 8:00. 2 Education. Logsdon.

Ed 526. High-School Counseling. 4 hours.

The purposes, techniques, and processes of counseling. Dynamics of adjustment and personality change. Uses of information, records, and tests in promoting emotional, educational, and occupational adjustment. Evaluation of outcomes and research. MTuWThF, 11:00. 2 Education. Eiserer.

Ed 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 outcomes—all leading to plans for school improvement. The techniques of evaluation by the local staff and by visiting committees will be explained. The course is planned for both teachers and administrators. MTuWThF, 8:00. 3 Education. Aseltine.

Ed 551. Elementary-School Administration. 4 hours.

(Second four weeks.) The major topics to be considered are: problems related to the elementary-school principalship, such as professional preparation, selection, and status of the principal; his relation to other administrative officers; administrative problems of attendance, discipline, health, and accounting; administration of special activities within a school; application of experience and sound principles to the improvement of teaching. Attention given to problems presented by members of the class as the outgrowth of their experience. MTuWThF, 10:00-12:00. 4 U.H.S. Otto.

Ed 552. The American Elementary School. 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. MTuWThF, 10:00. 2 Education. Langston.

Ed 554. Supervision of 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. MTuWThF, 8:00. 3 U.H.S. Langston.

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. MTuWThF, 10:00. 4 Education. Eiserer.

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, Ed 312, Ed 313, or teaching experience. MTuWThF, 2:00. 3 U.H.S. Hayes.

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

(Second four weeks.) Administration of the local school system and its relation to state administration; relations within a school system, the teaching staff, school records and reports, pupil accounting; special services, budget making. Problems related to the school system as a whole. Prerequisite: Ed 311, Ed 312, Ed 313, or teaching experience. MTuWThF, 8:00-10:00. 4 U.H.S. Falk.

Ed 574. Basic Course in Supervision. 4 hours.

Purpose and plans for supervision; use of texts, teaching aids, diagnosis of pupil difficulties, remedial teaching, relations of supervisors and teachers—as applied to both elementary and secondary schools. Prerequisite: Ed 311, Ed 312, Ed 313, or teaching experience. MTuWThF, 3:00. 3 Education. Hayes.

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

(First four weeks.) A study of the problems in planning, constructing, maintaining, and operating school buildings. Financing building costs; relation to

theories of school support and to school costs. Prerequisite: Ed 311, Ed 312, Ed 313, or teaching experience. MTuWThF, 8:00-10:00. 4 U.H.S. Hines.

Ed 578. State School Administration. 2 or 4 hours.

State School Finance. 2 hours. A consideration of the place of the state in school support; state school funds; distribution of state funds; sources of funds. (First four weeks.)

Reorganization of School Districts. 2 hours. Proposed plans for reorganization within the state, evaluation of plans; problems met in reorganization. (Second four weeks.)

Students may enroll for either or both parts of the course. MTuWThF, 3:00. 2 Education. Huffaker.

Ed 581. Curriculum Foundations. 4 hours.

(June 26-July 10.) Implications of basic social, philosophical, and psychological factors in curriculum planning and organization; historical background; techniques of curriculum planning. MTuWThF, 10:00-12:00. 4 U.H.S. Bruner.

Ed 582. Curriculum Survey. 4 hours.

(First four weeks.) Survey and appraisal of curricular patterns of the public school; state and city programs; courses of study in major subject areas; techniques of course-of-study planning. MTuWThF, 10:00-12:00. 4 U.H.S. Lobaugh.

Ed 586. Philosophy of Education. 4 hours.

The course presents for discussion a group of philosophical questions relevant to education in the modern world. MTuWThF, 1:00. 203 Chapman. Castell.

Courses in Other Departments especially Planned for Majors in Education

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

Ec 425. Labor Problems. (G) 3 hours.

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

Hst 482. United States in the Twentieth Century. (G) 4 hours.

PS 411. Introduction to Public Administration. (G) 3 hours.

Soc 411. American Problems. 4 hours.

Soc 507. Seminar: Class Structure of the American Community. 3 hours.

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

ENGLISH

Professors: ERNST, HOELTJE, LESCH, SOUERS, TROWBRIDGE.

Associate Professors: BLACK, McCLOSKEY.

Assistant Professors: OSWALD, MOORE.

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

From *Beowulf* to Milton. MTuWTh, 9:00. 20 Friendly. Black.

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

From Milton to Byron. MTuWTh, 8:00. 20 Friendly. Moore.

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

The fundamentals of English composition. MTuWTh, 11:00. 18 Friendly. Moore.

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

Continuation of Wr 111. MTuWTh, 10:00. 122 Friendly. Moore.

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

Continuation of Wr 112. MTuWTh, 10:00. 120 Friendly. Oswald.

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

A Midsummer Night's Dream; Romeo and Juliet; Merchant of Venice; Rich-

- ard II; *Henry II*; *Henry IV*, Part I; *Henry IV*, Part II; *Henry V*. MTuWTh, 11:00. 20 Friendly. Trowbridge.
- Eng 202. **Shakespeare (Second Term)**. 3 hours.
Much Ado About Nothing; *As you Like It*; *Twelfth Night*; *Julius Caesar*; *Hamlet*; *Othello*. MTuWTh, 10:00. 20 Friendly. Black.
- Eng 203. **Shakespeare (Third Term)**. 3 hours.
King Lear; *Macbeth*; *Antony and Cleopatra*; *Coriolanus*; and either *The Winter's Tale*, *Cymbeline*, or *The Tempest*. MTuWTh, 9:00. 120 Friendly. Ernst.
- Wr 324. **English Composition for Teachers**. 3 hours.
 For students expecting to teach English in high schools. Practice in writing and a review of the rules of composition. Prerequisite: Wr 111, 112, 113. MTuWTh, 2:00. 108 Friendly. Oswald.
- Eng 394. **Twentieth-Century Literature (First Term)**. 3 hours.
 Study of the work of some of the more important contemporary writers of England and America. MTuWTh, 11:00. 122 Friendly. Ernst.
- Eng 403. **Thesis for Honors Candidates**. Hours to be arranged.
- Eng 405. **Reading and Conference**. Hours to be arranged.
- Eng 407. **Seminar in Shakespeare**. (G) 3 hours.
 Studies of the plays most commonly read in high schools. *A Midsummer Night's Dream*; *As You Like It*; *Macbeth*; *Julius Caesar*. MTuWTh, 10:00. 18 Friendly. Lesch.
- Eng 411. **English Drama**. (G) 3 hours.
 The Golden Age of the drama. MTuWTh, 1:00. 120 Friendly. Ernst.
- Eng 428. **Chaucer**. (G) 3 hours.
 MTuWTh, 9:00. 12 Friendly. Souers.
- Eng 430. **Literature of the Renaissance**. (G) 3 hours.
 Nondramatic literature of the sixteenth century. MTuWTh, 8:00. 120 Friendly. Trowbridge.
- Eng 461. **The Romantic Poets: Shelley, Keats, and Byron**. (G) 3 hours.
 TuWThF, 11:00. 14 Friendly. McCloskey.
- Eng 475. **Literary Foundations of American Life (First Term)**. (G) 3 hours.
 Authors whose writings have largely given shape to American thought. American literature from the beginnings to Franklin. MTuWTh, 8:00. 12 Friendly. Hoeltje.
- Eng 480. **Modern Spirit in American Literature (Third Term)**. 3 hours.
 Dos Passos, Faulkner, Hemingway, Frost, Jeffers, T. S. Eliot, MacLeish, Benet, O'Neill, Wolfe, Millay, and Replier. TuWThF, 2:00. 12 Friendly. McCloskey.
- Eng 483. **Major American Writers: The Romantic Idealists (Third Term)**. (G) 3 hours.
 Poe and Lowell. MTuWTh, 9:00. 122 Friendly. Hoeltje.
- Eng 501. **Research**. Hours to be arranged.
- Eng 503. **Thesis**. Hours to be arranged.
- Eng 507. **Seminar: Studies in Prose Fiction**. 3 or 4 hours.
 Time to be arranged. Black.
- Eng 507. **Seminar: Studies in Eighteenth-Century Literature**. 3 or 4 hours.
 Time to be arranged. Trowbridge.

FOREIGN LANGUAGES

Associate Professor: JOHNSON. Assistant Professors: ROECKER, POWERS.

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

An introduction to the French language with practice in reading prose; practice in pronunciation and an understanding of the spoken language. Equivalent to the first two terms of First-Year French given during the regular academic year. MTuWThF, 8:00 and 1:00. 120 Friendly. Johnson.

RL 405. Reading and Conference. 3 hours.

Intended for students interested in French art and music as related to literature. With consent of the instructor, a limited number of students may pursue also a supervised reading program in French literature. Hours to be arranged. Johnson.

RL 503. Thesis. Hours to be arranged.

Johnson.

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

The fundamentals of grammar, oral drill, translation of prose selections. Equivalent to the first two years 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. 122 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.

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 to the first two terms of First-Year Spanish given during the regular academic year. MTuWThF, 8:00 and 9:00. 212 Friendly. Powers.

RL 405. Reading and Conference. 3 hours.

Readings in contemporary Spanish literature; composition and conversation. Those interested in literary periods other than the contemporary should consult the instructor. Time to be arranged. Powers.

RL 503. Thesis. Hours to be arranged.

Powers.

GEOGRAPHY

Professor: DICKEN. Visiting Faculty: BURG.

Geog 201. Regional Economic Geography. 3 hours.

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

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

Some of the special problems of Europe today studied in light of the geographic background of the continent. TuWThF, 10:00. 101 Condon. Burg.

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

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

Regional geography of the Soviet Union; its resources, peoples, and world position. TuWThF, 1:00. 101 Condon. Burgy.

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

Regional geography of the continent north of the Rio Grande. MTuWTh, 8:00. 101 Condon. Dicken.

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

Physical, economic, and human geography of the continent. TuWThF, 9:00. 101 Condon. Burgy.

Geog 503. Thesis. Hours to be arranged.**Geog 507. Seminar: Geography of Oregon. Hours to be arranged.**

Dicken.

GEOLOGY

Associate Professor: STAPLES. Assistant Professor: BALDWIN.

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. Baldwin, 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. Baldwin, Staples.

Geol 503. Thesis. Hours to be arranged.**Geol 505. Reading and Conference. Hours to be arranged.****HEALTH AND PHYSICAL EDUCATION**

Professors: HAAR, KNOLLIN, LEIGHTON, MEREDITH.

Associate Professors: MOORHEAD, POLEY, SPANDE, WENTWORTH, WOODRUFF.

Assistant Professors: AIKEN, SIGERSETH.

Instructors: OMLID, WARREN.

Visiting Faculty: SHAW, STEINHAUS.

HEALTH EDUCATION (PROFESSIONAL)**HE 361. Community Health Problems. 3 hours.**

Designed primarily for health teachers in the public schools. Basic community health problems important in health instruction. Prerequisite: junior standing in health and physical education, or consent of instructor. MWThF, 8:00. 114 Physical Education. Shaw.

HE 362. Personal Health Problems. 3 hours.

For health teachers in the public schools. Hygienic care of the body and other personal problems important in health instruction. Prerequisite: junior standing in health and physical education, or consent of instructor. MTuWTh, 2:00. 122 Physical Education. Shaw.

HE 363. Communicable and Noncommunicable Diseases. 3 hours.

Nature, prevention, and control of common communicable diseases, considered in relation to health instruction in the public schools. Prerequisite: junior standing in science or health and physical education. MWThF, 11:00. 122 Physical Education. Haar.

HE 364. Introduction to 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: junior standing in health education, science, or physical education. MWThF, 9:00. 122 Physical Education. Haar.

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.

HE 412. (g) 3 hours. Units on personal hygiene (includes 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.

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.

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 465. School Health Service. (G) 3 hours.

Purposes and procedures of health service in the schools; control of common communicable disease; technique of pupil health appraisal by the teacher. Prerequisite: HE 361, 362, 363 or consent of instructor. MWThF, 8:00. 122 Physical Education. Steinhaus.

HE 466. Organization and Evaluation of School Health Education. (G) 3 hours.

Organization and development of the public-school health program. Appraisal of the program in terms of objectives and standards, with special emphasis on the evaluation of health education in Oregon junior and senior high schools. Prerequisite: HE 361, 362, 363, HE 464, HE 465; or consent of instructor. MTuWTh, 1:00. 122 Physical Education. Steinhaus.

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.**

MWF, 8:00. Knollin.

PE 380 or 390. Golf. 1 hour.

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

PE 380 or 390. Swimming. 1 hour.

MWF, 3:00. Knollin, Woodruff.

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. Gerlinger, Corrective Gym. Poley.

PHYSICAL EDUCATION (PROFESSIONAL)**PE 406. Special Problems. Hours to be arranged.*****PE 406. Problems of Officiating Football. 1 hour.**

MTuWThF, 10:00. 114 Physical Education.

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

MTuWThF, 10:00. 114 Physical Education.

PE 406. Foreign Folk Dance. 2 hours.

Materials of folk dancing, including the fundamental locomotor skills, traditional step patterns, and representative folk dances from a number of foreign countries. For men and women. MWThF, 9:00. Gerlinger. Wentworth.

PE 406. American Country Dance. 2 hours.

Materials of American folk dancing, including locomotor skills, square-dance skills, traditional step patterns; a variety of round and square dances. For men and women. MWThF, 11:00. Gerlinger. Wentworth.

PE 406. Ballroom Dancing. 2 hours.

Materials of ballroom dancing, including the basic skills and a variety of dance-pattern combinations of the fox trot, waltz, rhumba, and tango. For men and women. MTuWTh, 1:00. Gerlinger. Wentworth.

PE 406. Problems of Officiating Volleyball and Basketball for Girls and Women.

Analysis of rules; identification of officiating problems; officiating techniques. MWThF, 8:00. Gerlinger.

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

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

***PE 454. Basketball Coaching. 2 hours.**

Coaching methods and problems. Fundamentals of team play; comparison of systems; strategy; training; conditions; rules; officiating; selection of men for positions. McArthur Court. Warren.

PE 471. Human Anatomy. 3 hours.

Gross anatomy; the skeletal and muscular structure, the circulatory, respiratory, digestive, and neural systems, and their functioning in physical activities. Prerequisite: two years of biology, senior standing. MWThF, 9:00. 121 Gerlinger. Sigerseth.

PE 472. Kinesiology. 3 hours.

Analysis of origin, insertion, and action of muscles. Prerequisite: PE 471. MWThF, 10:00. 121 Gerlinger. Sigerseth.

PE 501. Research. Hours to be arranged.

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

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

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

PE 506. **Special Problems of Individual Activities.** 3 hours.

Instruction in combative and apparatus and tumbling skills, with emphasis on the methods, materials, nomenclature, and criteria for selection of skills in these activities to fit the various grade levels of instruction. Prerequisite: consent of instructor. MTuWThF, 2:00-4:00. Men's Gym. Haar, Knollin.

PE 506. **Special Problems of Materials and Methods of Folk Dancing.** 3 hours.

For advanced students. American and foreign folk dances for the junior and senior high schools. Analysis of materials in terms of the objectives and standards of the Oregon physical-education program. Special emphasis on teaching procedures directed to the achievement of objectives. For men and women. Prerequisite: consent of instructor. MWThF, 10:00. Gerlinger. Wentworth.

PE 507. **Seminar in Current Movements.** 3 hours.

An analysis of recent interpretations of the functions and purposes of physical education. Study of different types of programs involved in recent trends in physical education. Adapted particularly to the needs of college teachers, supervisors, and administrators of physical education. MTuWTh, 3:00. 122 Physical Education. Leighton.

PE 507. **Seminar in Techniques of Relaxation.** 3 or 4 hours.

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

PE 507. **Seminar in the Fundamentals of Basic Skills and Conditioning Exercises for Girls and Women.** 3 hours.

Analysis of and teaching methods for basic skills (standing, walking, running, jumping, etc.) and conditioning exercises. MWThF, 11:00. Gerlinger. Woodruff.

PE 507. **Seminar: Administration and Use of Oregon Physical-Fitness Tests for Junior and Senior High-School Girls.** 3 hours.

How to administer the Oregon physical-fitness tests and how to use the results for evaluation purposes. MTuWTh, 2:00. 121 Gerlinger. Woodruff.

PE 507. **Seminar: Program of Physical Education for Junior and Senior High-School Girls.** 3 hours.

The study and practical construction of a program of physical education on the basis of accepted principles, criteria, and functions. MWThF, 9:00. Gerlinger.

PE 507. **Seminar: Activity Clubs and Intramural Program for Junior and Senior High-School Girls.** 3 hours.

A study of G.A.A. programs; methods of organizing club and intramural activities; selection of activities; conduct of tournaments; point systems; awards; student leadership. MTuWTh, 3:00. 121 Gerlinger.

PE 507. **Seminar in Physiological and Kinesiological Bases for Physical Education.** 3 hours.

Advanced study of the basic body movements, circulation, and innervation involved in gymnastics and athletics. Prerequisite: PE 471, 472, 473; or consent of instructor. MWThF, 8:00. 121 Gerlinger. Sigerseth.

PE 507. Seminar in 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. Shaw.

PE 507. Seminar: Administration of the Physical-Education Service-Course Program for College Women. 3 hours.

Criteria for the organization of the program; construction of the program; administration procedures. MWThF, 9:00. Gerlinger. Woodruff.

PE 507. Seminar in the Physiology of Exercise. 3 hours.

Physiological effects of muscular exercise, physical conditioning, and training. Significance of these effects for health and for performance in activity programs. Prerequisite: PE 472 or consent of instructor. MWThF, 11:00. 114 Physical Education. Steinhau.

PE 532. Physical-Therapy Studies: Massage. 3 hours.

A study of the commonly used techniques, their physiological and mechanical effects, and their application by the physical educator; practice for the development of skill. MTuWTh, 1:00. Gerlinger, Corrective Gym. Poley.

PE 564. Morphologic and Physiologic Appraisalment of School Children. 3 hours.

Critical examination of various proposals for evaluating individual status and progress; emphasis on measurement proposals suitable for use in school-health and physical-education programs. Prerequisite: PE 444 or HE 465. MTuWTh, 1:00. 143 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. 143 Physical Education. Meredith.

HISTORY

Associate Professor: BREEN. Assistant Professors: SMITH, SORENSON, WEIR.

Instructor: BINGHAM. Teaching Fellow: CARLIN.

Visiting Faculty: SHIDLER.

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

General social, political, economic, and military developments, and foreign affairs, 1840-1846. Second term of 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 year sequence. May be taken concurrently with Hst 202. MTuWThF, 11:00. 4 Oregon. Weir.

Hst 342. Europe Since 1815. 4 hours.

European political, economic, social, and cultural developments from 1890 to 1929. Second term of year sequence. MTuWThF, 10:00. 107 Oregon. Breen.

Hst 377. Oregon History. 2 hours.

Brief survey of the building of civilization in Oregon. MWF, 2:00. 5 Oregon. Bingham.

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

Individual conferences on readings in a special field, with a written report or examination. Open only to students eligible for honors. Weir, Bingham.

Hst 423. Middle Ages. (G) 4 hours.

History of Europe from 1200 A.D. to the Council of Constance. Third term of year sequence. MTuWThF, 11:00. 5 Oregon. Breen.

Hst 439. Economic History of Modern Europe. (G) 4 hours.

European economic development and its effects on society since 1850; the concentration of industry. MTuWThF, 9:00. 5 Oregon. Sorenson.

Hst 456. History of Mexico. (G) 4 hours.

Political, economic, social, and cultural development of Mexico from colonial times to the present, with some attention to pre-Columbian civilizations of the region. MTuWThF, 9:00. 101 Oregon. Weir.

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

History of Canada from the discovery to present. MTuWThF, 9:00. 2 Oregon. Smith.

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

Recent social, political, and economic changes in England. MTuWThF, 11:00. 107 Oregon. Smith.

Hst 472. Social and Cultural History of United States. (G) 4 hours.

Various aspects of the development of American civilization. MTuWThF, 10:00. 4 Oregon. Shideler.

Hst 482. United States in the Twentieth Century. (G) 4 hours.

An intensive study of American history from the close of World War I to Pearl Harbor. Political parties and elections; prosperity, depression, and New Deal; the United States in world affairs. MTuWThF, 9:00. 4 Oregon. Shideler.

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

Economic developments and problems in the United States since 1870. MTuWThF, 10:00. 5 Oregon. Sorenson.

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

Hispanic America. MW, 2:00. 2A Oregon. Weir.

Ancient History. MW, 2:00. 212 Chapman. Breen.

Hst 507. Seminar. 3 hours.

England. Tu, 2:00-4:00. 102 Oregon. Smith.

Economic History. Th, 2:00-4:00. 5 Oregon. Sorenson.

United States. W, 2:00-4:00. 104 Oregon. Shideler.

JOURNALISM

Associate Professor: PRICE. Visiting Faculty: CASEY.

J 401. Research. Hours to be arranged.**J 405. Reading and Conference.** Hours to be arranged.**J 419. Advanced Practice.** (g) 1 to 3 hours.

Laboratory work in reporting and copyediting. Class members serve as the editorial staff of the *Summer Emerald*. M, 3:00; laboratory to be arranged. 104 Journalism. Price.

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

The constitutional guarantee of freedom of the press; principal Supreme Court decision; legal status of the press as a private business and as a public

utility; governmental activity toward improving the press; legal controls on publication; libel, right of privacy, copyright, contempt of court, censorship, and radio news regulation. MTuWTh, 2:00. 104 Journalism. Price.

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

A study of the changing character of the newspaper, with emphasis on the contributions of outstanding editors, publishers, and inventors. The evolution of freedom of the press, editorial and business standards, mechanics, and advertising practices. MTuWTh, 9:00. 104 Journalism. Price.

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. MTuWTh, 10:00. 104 Journalism. Casey.

J 430. International Communications. (G) 3 hours.

Channels of foreign news coverage, including American and foreign press associations; analysis of foreign newspapers; foreign press personalities; foreign correspondents; censorship. MTuWTh, 11:00. 104 Journalism. Casey.

J 503. Thesis. Hours to be arranged.

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

J 507. Seminar: Current Newspaper Problems. 3 hours.

Tu, 3:00-5:00. 103 Journalism. Casey.

J 511. Supervision of School Publications. 3 hours.

A study of the teacher's role in guiding student publications, teaching pre-professional journalism courses, and handling publicity in secondary schools and junior colleges. Hours to be arranged. 3 Journalism. Price.

LIBRARY METHODS

Visiting Faculty: HATCH.

Lib 384. School Library Administration. 3 hours.

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

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

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

Lib 388. Books and Related Library Materials for Young People. 3 hours.

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

MATHEMATICS

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

Upper-division and graduate courses offered by the Department of Mathematics during summer sessions 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 of 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 579, and Mth 599 are being offered this summer. Mth 479, Mth 489, Mth 499, and Mth 589 in 1951; and Mth 479, Mth 489, Mth 579, and Mth 599 in 1952.

Mth 10. Elements of Algebra. 3 hours.

Intended for students who have had less than one year of high-school algebra. MTuWThF, 9:00. 266 Emerald.

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, 10:00. 257 Emerald.

Mth 105. College Algebra. 4 hours.

Prerequisite: Mth 100 or one and one-half years of high-school algebra. MTuWThF, 10:00. 256 Emerald.

Mth 106. Plane Trigonometry. 4 hours.

Prerequisite: Mth 105 or consent of the department. MTuWThF, 9:00. 256 Emerald.

Mth 200. Analytical Geometry. 4 hours.

Intended to prepare students for the study of calculus, statistics, and more-advanced mathematics courses. MTuWThF, 11:00. 257 Emerald.

Mth 325. Elements of Statistical Methods. 3 hours.

An introductory course in statistics. Computing machines are available for student use. Integrated with Ed 515. Prerequisite: consent of the department. MTuWF, 9:00. 160 Emerald. Massey.

Mth 326. Elements of Statistical Methods. 3 hours.

The second term of the introductory course in statistical analysis. Analysis of variance, correlation, and testing of statistical hypothesis. Integrated with Ed 516. Prerequisite: Mth 325. MTuWF, 11:00. 160 Emerald. Massey.

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

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

Mth 479. Algebra. (g) 3 hours.

Intended primarily for high-school mathematics teachers. Number systems, Euclid's algorithm, theory upon which algebraic operations taught in high school are based, other selected topics. Prerequisite: analytical geometry. MTuWF, 8:00. 257 Emerald. Civin.

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. 204 Deady. Ghent.

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

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

Mth 507. **Seminar.** 3 or 4 hours.

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

Mth 507. **Seminar: Transformations of Fourier and Laplace.** 3 or 4 hours.

Selected topics from the theory of Fourier, unilateral and bilateral Laplace transforms. Comparative material will be investigated wherever feasible. MTuWF, 11:00. 256 Emerald. Civin.

Mth 579. **Algebra.** 3 hours.

Intended primarily for teachers. Selected topics designed to give teachers a better understanding of algebra. An introduction to modern algebra. MTuWF, 9:00. 256 Emerald. Niven.

Mth 599. **Foundations of Mathematics.** 3 hours.

Intended for mathematics teachers. The nature of mathematics; deductive systems; rational, real, and complex numbers as deductive systems; applications to analytic geometry and calculus. MTuWF, 10:00. 204 Deady. Ghent.

MUSIC

Professor: KRATT. Associate Professors: CYKLER, GARNETT, GELHAUSEN, STEHN.

Assistant Professors: ALLTON, BOUGHTON, DIETERICH, GREEN.

Instructors: CUMMINGS, WARNER. Visiting Faculty: ERNST, FOLDES, HAYNES, MAYNARD.

Mus 129. **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. 202 Music. Cykler.

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

MTuThF, 3:00. Music Auditorium. Haynes, Ernst.

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

MTuThF, 2:00. Music Auditorium. Boughton.

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

MTuThF, 1:00. 202 Music. Gelhausen.

Mus 318. **Public-School Music.** 3 hours.

For students intending to teach music in the high schools. Study of work units, with emphasis on social and creative phases. Survey of methods and materials used in the grades, as a necessary background for the presentation of music in the high school. MTuThF, 10:00. 104 Music. Garnett.

Mus 325. **Choral Conducting.** 2 hours.

The principles of conducting and training choral organizations. Practical experience with campus organizations. MWF, 9:00. 104 Music. Garnett.

Mus 395. **Band.** 1 hour.

MTuThF, 3:00. Music Auditorium. Haynes, Ernst.

Mus 396. **Orchestra.** 1 hour.

MTuThF, 1:00. 202 Music. Gelhausen.

Mus 397. **Choral Union.** 1 hour.

MTuThF, 1:00. 202 Music. Gelhausen.

- Mus 405. **Reading and Conference.** Hours to be arranged.
- Mus 407. **Seminar: Special Problems in Band Techniques.** (G) 3 to 6 hours.
MTuWThF, 1:00 to 3:00. 104 Music. Haynes, Ernst.
- Mus 407. **Seminar: Special Problems in Piano Pedagogy.** (G) 3 hours.
For teachers of piano. Devoted to discussion, evaluation, and demonstration of problems involved in performing and teaching the representative works in piano literature. MTuWF, 10:00. 202 Music. Green.
- Mus 407. **Seminar: Percussion Techniques.** 1 hour.
MWF, 8:00. 104 Music. Maynard.
- Mus 407. **Seminar: History of Piano Literature.** (g) 1 hour.
Time to be arranged. Foldes, Cykler.
- Mus 426. **Special Periods in Music History.** (G) 2 hours.
MWF, 8:00. 103 Music. Cykler.
- Mus 431. **Advanced Conducting.** (G) 3 hours.
The routine and technique of conducting. Problems of the symphony orchestra and choral groups. Score reading. MTuWF, 9:00. 203 Music. Boughton.
- Mus 434. **Applied Theory.** (G) 3 hours.
A course designed primarily for school orchestra, band, and choral directors; a practical study of such problems of harmony, form, and structure, counterpoint, rhythm, and intonation as they are usually encountered in the music performed by high-school organizations. 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 530. **Choral Literature for Secondary Schools.** 3 hours.
MTuThF, 3:00. 104 Music. Garnett.
- Mus 533. **Instrumental Literature for Secondary Schools.** 3 hours.
MTuThF, 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

JOHN STERN, Director

A four-week summer session for high-school students in orchestral and band instruments, vocal music, and piano will be held on the campus from June 19 to July 14. Observation of the rehearsals of the high-school groups will be interesting and valuable to high-school music teachers.

PHILOSOPHY

Professor: CASTELL. Visiting Faculty: HARRIS.

Phl 202. Introduction to Philosophy. 3 hours.

An elementary study of philosophical problems, using the writings of four or five classical and modern authors. MTuWTh, 10:00. 202 Chapman. Harris.

Phl 203. Elementary Ethics. 3 hours.

The meaning of right and wrong; its embodiment in major institutions. Assignments in the writings of modern moralists. MTuWTh, 11:00. 202 Chapman. Harris.

Phl 352. Contemporary Philosophy. 3 hours.

An introduction to philosophy, emphasizing contemporary issues and contemporary authors. MTuWTh, 1:00. 203 Chapman. Harris.

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

Phl 412. Philosophy in Modern Literature. 3 hours.

Philosophical ideas and problems in modern poetry, drama, and fiction. MTuWTh, 11:00. 203 Chapman. Castell.

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.

Will present for discussion a group of philosophical questions relevant to education in the modern world. MTuWThF, 1:00. 202 Chapman. Castell.

PHYSICS

Associate Professors: CH'EN, EBBIGHAUSEN. Assistant: RONALD PAUL.

The courses in General Physics are identical with those offered in the regular year, and are the essential prerequisites for more advanced work; they are especially valuable to high-school teachers.

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, MTuWThF, 9:00-11:00, and 2:00-4:00 on days General Physics Laboratory does not meet. June 20 to July 6, inclusive. 103 Deady. Ch'en.

Ph 201L. General Physics Laboratory. 1 hour.

Designed to accompany Ph 201. MWThF, 2:00-5:00. June 20 to July 6, inclusive. 101 Deady. Ch'en, Paul.

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. Prerequisite: Ph 201. Lectures, MTuWThF, 9:00-11:00, and 2:00-4:00 on days General Physics Laboratory does not meet. July 7 to July 25, inclusive. 103 Deady. Ch'en, Ebbighausen.

Ph 202L. General Physics Laboratory. 1 hour.

Designed to accompany Ph 202. MWThF, 2:00-5:00. July 7 to July 25, inclusive. 101 Deady. Ch'en, Ebbighausen, Paul.

Ph 203. General Physics. 3 hours.

Light and electricity. This course with Ph 203L is the equivalent of Ph 203,

third term of the regular sequence in General Physics. Prerequisite: Ph 201, 202. Lectures, MTuWThF, 9:00-11:00, and 2:00-4:00 on days General Physics Laboratory does not meet. July 26 to August 11, inclusive. 103 Deady. Ebbighausen.

Ph 203L. **General Physics Laboratory.** 1 hour.

Designed to accompany Ph 203. MWThF, 2:00-5:00. July 26 to August 10, inclusive. 101 Deady. Ebbighausen, Paul.

POLITICAL SCIENCE

Professor: WENGERT. Assistant Professor: DEAN.

PS 201. **American Governments.** 3 hours.

The United States Constitution and the workings of the national government. MTuWTh, 9:00. 101 Oregon. Dean.

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

Open only to students eligible for honors. Dean, Wengert.

PS 411. **Introduction to Public Administration.** (G) 3 hours.

Big government and bureaucracy. Major problems of public service. MTuWTh, 9:00. 105 Oregon. Wengert.

PS 433. **American Political Theory.** (G) 3 hours.

Leading American ideas of the government and politics. MTuWTh, 10:00. 101 Oregon. Dean.

PS 483. **The Executive in American Government.** (G) 3 hours.

Problems of a primary center of government, including the Hoover Commission studies. MTuWTh, 11:00. 105 Oregon. Wengert.

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

Dean.

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

Dean, Wengert.

PS 507. **Seminar.** 3 hours.

PSYCHOLOGY

Assistant Professor: LITTMAN. Instructor: HUBBARD.
Visiting Faculty: ANDERSON.

All upper-division courses (300 or above) have a prerequisite of 9 term hours of work in psychology.

Psy 201. **General Psychology.** 3 hours.

Introductory study of behavior and conscious processes. Survey of experimental studies with reference to perceiving, learning, and thinking. MTuWTh, 8:00. 301 Condon. Hubbard.

Psy 205. **Applied Psychology.** 3 hours.

A survey of the ways in which psychology is applied in advertising, salesmanship, market research, measurement of opinion, occupational placement, development of personal efficiency. Prerequisite: Psy 201, 202. MTuWTh, 9:00. 301 Condon.

Psy 210. **General Psychology Laboratory.** 1 hour.

Introduction to experimental methods of studying individual differences in ability, attitudes, and personality characteristics, coordinated with Psy 205. TuTh, 1:00-3:00. 301 Condon. Hubbard.

Psy 341, 342. Individual Differences. 4 hours.

Importance and extent of individual differences in various human traits; origin, measurements, and practical significance. Registration in laboratory required unless the student is excused by instructor. MTuWThF, 10:00. 207 Chapman. Littman.

Psy 351, 352. Individual-Differences Laboratory. 2 hours.

Collection and statistical analysis of data illustrating the more important types of comparison between individuals; the inferences which can be drawn from these data. 3 hours laboratory. TuTh, 3:00-5:00. 301 Condon. Littman.

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

Growth of behavior during the prenatal period, infancy, and childhood. Development of muscular activities, perception, emotional adjustment, intelligence, language, and social behavior in childhood. MTuWTh, 8:00. 207 Chapman. Anderson.

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, 11:00. 207 Chapman.

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

Administration, scoring, and interpretation of individual and group tests of intelligence appropriate for use with children, with particular reference to the practical use of the Stanford-Binet scale in individual diagnosis. MWF, 10:00. 301 Condon. Hubbard.

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

Supervised practice in the administration and scoring of the Stanford-Binet scale, and typical group tests of intelligence. Consideration of essential statistical procedures. Training in diagnosing actual cases. MWF, 1:00-3:00. 301 Condon. Hubbard.

Psy 501. Research. Hours to be arranged.

Littman.

Psy 503. Thesis. Hours to be arranged.

Littman.

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

Littman.

Psy 507. Seminar. Hours to be arranged.

324 Condon.

SOCIAL SCIENCE

Associate Professor: BREEN.

SSc 411. Social-Science Synthesis for Teachers. (G) 4 hours.

A fusion approach to the study of world cultures. Social, economic, political, historical, geographic, and aesthetic aspects of several selected cultures will be considered. Designed as a pattern and as a background for teaching the high-school world-cultures course. MTuWThF, 9:00. 203 Chapman. Breen.

SOCIOLOGY

Associate Professor: FOSKETT. Assistant Professor: MARTIN. Instructor: JAMES.

Soc 204. General Sociology. 3 hours.

The basic findings of sociology concerning the individual, culture, group life, social institutions, and factors of social change. MTuWTh, 8:00. 107 Oregon. James.

- 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. Prerequisite: general sociology or general psychology. MTuWTh, 11:00. 206 Oregon. James.
- Soc 411. American Problems.** (g) 4 hours.
For teachers of the twelfth-grade "American Problems" course. Background reading, lectures, and discussion on selected problems. Collection, organization, and preparation of materials for use at the high-school level. Open only to high-school social-studies teachers. MTuWThF, 1:00. 107 Oregon. Foskett.
- Soc 416. Penology.** (G) 3 hours.
Theories underlying punishment; the role of the police and the courts; history of punishment and recent penal developments. Prerequisite: Soc 204, 205 or Psy 201, 202 or consent of instructor. MTuWTh, 10:00. 206 Oregon. Martin.
- Soc 435. Population and Population Theory.** (G) 3 hours.
Theories of population, with reference to increase and decrease, and to the problems of quality; current programs of control. Migration and internal mobility. MTuWTh, 8:00. 206 Oregon. Martin.
- Soc 454. Principles of Sociology.** (G) 3 hours.
Fundamental current concepts of sociology. Open to seniors and graduate students. MTuWTh, 9:00. 206 Oregon. James.
- Soc 507. Seminar: Class Structure of the American Community.** 3 hours.
MTuWTh, 11:00. 205 Oregon. Martin.

SPEECH

Associate Professors: CLARK, DAHLBERG, ROBINSON, SEYBOLT, WOOD.
Assistant Professor: MONTGOMERY. Visiting Faculty: RAMEY.

- 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. Dahlberg.
- Sp 311, 312. Advanced Interpretation.** 4 hours.
Instruction in discovery and expression of meaning and feeling in prose, poetry, and dramatic literature. Prerequisite: Sp 211, 212 or consent of instructor. MTuWThF, 8:00. 304 Villard. Clark.
- Sp 351. Technique of Acting.** 4 hours.
Principles of acting technique. Problems in the analysis and presentation of character. MTuWThF, 11:00. 102 Villard. Seybolt.
- Sp 364. Play Direction.** 4 hours.
Sources of dramatic material, choice of play, casting and rehearsal of players, production organization. MTuWThF, 2:00. 102 Villard. Seybolt.
- Sp 370. Phonetics.** 4 hours.
Study of sounds used in speech. Determination of sounds; their symbolic nature; their production; physical and psychological problems involved in their perception; sectional differences. MTuWThF, 1:00. 201 Villard. Montgomery.
- Ed 408. Special Teaching Methods in Speech.** 4 hours.
MTuWThF, 10:00. 201 Villard. Montgomery.
- 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. 205 Villard. Dahlberg.

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

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

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

Symptoms and causes of speech abnormalities; emphasis on diagnosis and basic pathology of articulatory defects and delayed speech, with discussion of methods of treatment limited to general principles. MTuWThF, 8:00. 101 Villard. Wood.

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.

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

Sp 503. Thesis. Hours to be arranged.

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

Sp 507. Seminar in Dramatic Production. 4 hours.

Robinson.

Sp 507. Seminar in Argumentation. 4 hours.

Montgomery.