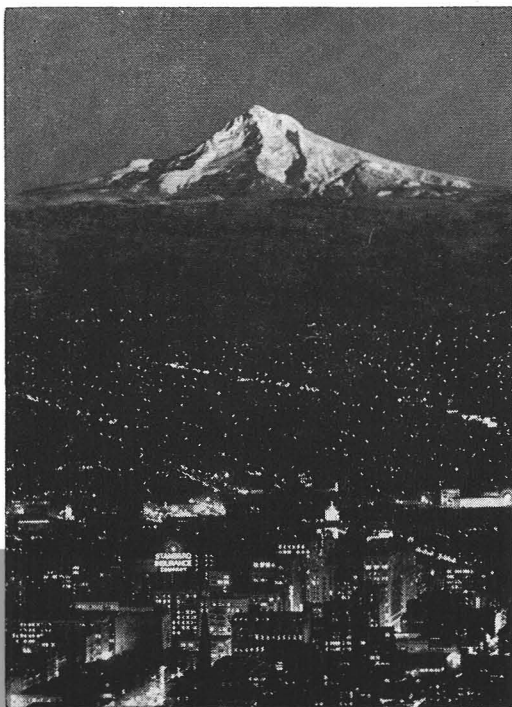




Night Classes

1951-1952



Portland Extension Center

PORTLAND
OREGON

**General Extension Division
BULLETIN**

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Eugene, Oregon

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Portland Extension Center

**University of Oregon
Oregon State College
Oregon Colleges of Education**

**ANNOUNCEMENTS
1951-52**

**207 Education Center Building
220 Southwest Alder Street
Portland 4, Oregon**

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Portland Extension Center

1951

Academic Calendar

September

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

October

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7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

November

S	M	T	W	T	F	S
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4	5	6	7	8	9	10
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18	19	20	21	22	23	24
25	26	27	28	29	30	

December

S	M	T	W	T	F	S
						1
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9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

January—1952

S	M	T	W	T	F	S
		1	2	3	4	5
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13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

February

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	

Fall Term 1951-52

September 17-22, *Monday to Saturday*
Classes begin as scheduled.

September 29, *Saturday*
Last day for payment of fees without penalty.

October 6, *Saturday*
Last day to add a course or to change from audit to credit.

November 3, *Saturday*
Last day to withdraw from a course or to change from credit to audit.

November 22-25, *Thursday to Sunday*
Thanksgiving vacation.

December 3-8, *Monday to Saturday*
Final examinations.

December 8, *Saturday*
Fall term ends.

Winter Term 1951-52

January 2-8, *Wednesday to Tuesday*
Classes begin as scheduled.

January 12, *Saturday*
Last day for payment of fees without penalty.

January 19, *Saturday*
Last day to add a course or to change from audit to credit.

February 16, *Saturday*
Last day to withdraw from a course or change from credit to audit.

March 12-18, *Wednesday to Tuesday*
Final examinations.

March 18, *Tuesday*
Winter term ends.

March

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

April

S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

May

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				1	2	3
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11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

June

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15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

July

S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

August

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

Spring Term 1951-52

March 24-29, *Monday to Saturday*
Classes begin as scheduled.

April 5, *Saturday*
Last day for payment of fees without penalty.

April 12, *Saturday*
Last day to add a course or change from audit to credit.

May 10, *Saturday*
Last day to withdraw from a course or change from credit to audit.

May 30, *Friday*
Memorial Day holiday.

June 2-7, *Monday to Saturday*
Final examinations.

June 7, *Saturday*
Spring term ends.

Summer Session 1952

June 23, *Monday*
Opening of registration.

June 24, *Tuesday*
Classes begin.

June 30, *Monday*
Last day for addition of new courses or new registration.

July 4, *Friday*
Independence Day, holiday.

July 18, *Friday*
Last day to withdraw from courses.

August 14-15, *Thursday and Friday*
Final examinations.

August 15, *Friday*
Summer Session ends.

General Information

What is the Portland Extension Center?

The General Extension Division of the Oregon State System of Higher Education is the agency through which the University of Oregon, Oregon State College, and the three Oregon colleges of education serve the people of Oregon through extension classes, short courses, correspondence study, visual instruction, radio programs, and summer sessions. General Extension activities in Portland are administered through the Portland Extension Center. For the academic year 1951-52, the Portland Center announces 244 evening courses in 32 departments and professional schools. The work of these classes is of standard college or university grade. The academic year is divided into three terms. For 1951-52 the dates are as follows: fall term, September 17 to December 8; winter term, January 2 to March 18; spring term, March 24 to June 7.

Where is the Portland Extension Center Located?

The office of the Portland Center is at 207 Education Center Building, 220 S. W. Alder Street. The telephone number is ATwater 2165. The office is open daily from 8:30 A.M. to 4:30 P.M. Saturday it closes at 11:30 A.M. Classes are held in the Lincoln High School Building, 1620 S. W. Park Avenue, except when another place is indicated in the schedule.

What are the Admission and Degree Requirements?

Since the purpose of Portland Center instruction is to serve all who wish to take the courses and who are able to profit by them, there are no formal requirements for admission, except for those who are working toward degrees. In any course, however, the instructor may require evidence that prerequisite work has been done. All persons working toward degrees are required to file credentials with the registrar of the institution from which they expect to receive a degree. Students in the Portland Center are classified in four academic divisions:

(1) Students formally enrolled for undergraduate credit who have satisfied the entrance requirements and have filed credentials with the registrar of one of the institutions of the Oregon State System of Higher Education.

(2) Students who have not formally filed their credentials and are taking work for provisional credit. Such credit may be validated as regular university or college credit upon the formal admission of the students.

(3) Those formally enrolled as graduate students, working toward master's degrees, or enrolled for credit beyond bachelor's degrees.

(4) Students not working for credit—a considerable number of men and women taking courses for their cultural and practical value.

REQUIREMENTS FOR ADMISSION to first-year or freshman standing for work toward a degree conform to the uniform entrance requirements adopted by all the higher educational institutions of Oregon:

Graduation from a standard high school, which in Oregon involves the completion of 16 units, 8 of which are required as follows:

3 units in English; 2 units in social science, comprising the state-adopted courses in United States history-civics and socio-economic problems; 1 unit in health and physical education; and 2 units selected from the fields of natural science and mathematics or of foreign language. Two units in either natural science or mathematics or 1 unit in each of these fields are acceptable, but a minimum of 2 units in a single language is required if a foreign language is selected. At Oregon State College, to be admitted to any of the four-year curricula in engineering, except industrial arts, 1 unit in algebra, $\frac{1}{2}$ unit in higher algebra, and 1 unit in geometry must be presented. A student deficient in mathematics may be admitted to a pre-engineering course for the first year, but must complete a five-year program to qualify for graduation.

ADVANCED STANDING is granted to students transferring from accredited institutions of collegiate rank. All applications for advanced standing must be submitted to the registrar and must be accompanied by official transcripts covering both high-school and college records.

Is this a State-Accredited Program?

Yes, in Oregon all the state institutions of higher education are operated as correlated units of the State System of Higher Education. As a part of this organization, the Portland Extension Center draws upon the resources, the curricula, and the faculties of all the institutions.

What are the Credit Regulations?

Resident credit in the University of Oregon, Oregon State College, and the Oregon colleges of education may be earned in the Portland Center courses to the extent that these courses meet the requirements of the major schools of the University and the State College or the graduation requirements of the colleges of education.

Under the regulations of the Oregon State System of Higher Education, for a degree from the University of Oregon, Oregon State College, or the Oregon colleges of education, a minimum of the last 60 term hours must be taken in residence. This requirement, with the approval of the institutional academic requirements committee, may be satisfied in the Portland Extension Center and the Portland Summer Session. By action of the University of Oregon faculty, 12 hours in the last 60 must be earned in residence on the Eugene campus.

Are Advisers Available for Individual Assistance?

Yes. Students desiring to work toward degrees should confer with an adviser in the Portland Center office regarding requirements of the schools or departments in which their majors have been selected.

Before registering in the Portland Center, students should bring their statements of standing or summaries of record to an adviser so that the most effective schedule of courses may be planned in conformance with the various curricula of the State System.

Can Work for Degrees Be Completed in the Portland Center?

Yes. Students completing work for degrees in the Portland Center *must notify* the Portland Center office during fall term preceding graduation, as well as the registrar of the institution in the Oregon State System of Higher Education from which they expect to receive degrees.

What are the Requirements for Upper-Division Standing?

Students may be admitted to upper-division standing by completing the following:

Term Hours: Minimum, 93.

Grade-Point Average: Minimum, 2.00.

English Composition: 9 term hours, unless excused.

GROUP REQUIREMENTS: A prescribed amount of work selected from three "groups" in courses numbered from 100 to 110 and 200 to 210. College of Liberal Arts majors must take all three groups as well as a 9-hour sequence in courses numbered 200 to 210 in one of the three groups. Students in professional schools are required to take only two of the three groups.

Group I: Language and Literature, 9 term hours.

Group II: Social Science, 9 term hours.

Group III: Science, 9 term hours.

Upper-division transfers from accredited institutions may already have satisfied group requirements. Students should clear this point in advance with the registrar of the institution in which they are matriculating, by filing their transcripts of credit and applying for advanced standing.

What are the Required Courses for Majors in Business Administration, Prelaw, and School Administration?

Lower-division requirements for majors in business administration and prelaw include, in addition to the general requirements for upper-division standing:

BUSINESS ADMINISTRATION

Constructive Accounting (BA 111, 112, 113)

Elements of Finance (BA 222)

Elements of Marketing (BA 223)

Principles of Economics (Ec 201, 202, 203)

Business English (Wr. 214)

PRELAW

Constructive Accounting (BA 111, 112, 113) ; 36 hours in the General Field of Social Science

Majors in school administration and those desiring administrative and supervisory credentials in Oregon are required to take:

Basic Course in School Organization (Ed 572)

Basic Course in School Administration (Ed 573)

Basic Course in School Supervision (Ed 574)

School Finance (Ed 575)

How Many Hours of Credit May Be Earned?

The amount of work a student may take in any term is limited. The amount should not exceed 6 term hours for those who are employed; in no case may such students register for more than 6 term hours of graduate credit. High-school graduates, veterans, and others who are able to give full time to study and who are unable, for financial or other reasons, to enroll in regular work on one of the campuses, may register for more than 6 term hours upon petition, obtained at the Portland Center office.

Permission of the instructor is required for admission to classes for credit after the first class meeting of any term. Admission for credit is not allowed after the third meeting.

If a student takes two or more courses which duplicate each other, even in part, he will receive credit for only one of them.

When Will Registration Open?

Students may register daily, except Saturday, from 9:30 A.M. to 4:30 P.M., and on Saturday from 8:30 A.M. to 11:30 A.M., at the Portland Center office, 207 Education Center Building, 220 S. W. Alder Street, beginning September 10, fall term; December 26, winter term; March 17, spring term. During the first two weeks of each term students may also register in the evenings, except Saturday, from 6:30 P.M. to 9:00 P.M., at Lincoln High School, 1620 S. W. Park Avenue.

Registration fees are payable before the end of the second week of each term. The registration fees for fall term are due not later than September 29; for winter term, January 12; for spring term, April 5.

What are the Registration Fees?

The registration fee for all students, regardless of academic status, is \$6.00 per credit hour; the minimum fee per course is \$12.00 per term. A few courses carry special service or laboratory fees. These are indicated in the course descriptions.

Veterans may use educational benefits available under federal and state laws for work in the Portland Extension Center courses. It is necessary that students planning to use benefits under federal and state laws obtain their Letters of Eligibility and forms prior to the opening of the term.

Registration is not complete until all fees are paid. Checks should be drawn to the order of the Portland Extension Center in the exact amount. Students are held responsible for knowledge of fees and dates of payment.

Students who register after the second week of a term pay a late-registration fee of \$1.00 per week in addition to the regular fee. During the third week the late-registration fee is \$1.00; fourth week, \$2.00; fifth week, \$3.00. Registration fees may not be paid after the fifth week of a term.

An examination fee of \$10.00 is paid by students not regularly registered in the Portland Center who take examinations for advanced degrees. Fees for the graduate-record examination for the University of Oregon are:

One half-day session.....	\$8.00
Two half-day sessions.....	10.00
Three half-day sessions.....	12.00

Graduate qualifying examination for Oregon State College is \$3.00. A transcript fee of \$1.00 is charged for each transcript of credits issued after the first one, for which no charge is made.

What is the Fee-Refund Schedule?

Refund of registration fee is granted to students who are compelled to withdraw from the Portland Extension Center. Written notification should be sent to the Portland Center office, stating the reason for withdrawal. Refunds are calculated from the date of notification rather than from the date the class attendance ceases. Refund of the entire fee, less \$1.00 service fee, is granted until the end of the second week of a term; during the third week, one-half of the fee, less \$1.00; during the fourth week, one-fourth of the fee less \$1.00. *Refunds are not granted after the*

fourth week of a term, nor are refunds of less than \$1.00 granted.

If a Portland Center class is officially discontinued, the registration fee is refunded in full.

What is the Grading System?

The quality of student work is measured by a system of grades and grade points. The grading system is as follows: A (exceptional accomplishment); B (superior); C (average); D (inferior); F (failure); Inc (incomplete); W (withdrawn). When a course has not been completed, for reasons acceptable to the instructor, a report of Inc may be made and additional time granted—but not to exceed one year. A student who discontinues attendance in a course without officially withdrawing at the Portland Center office, within the designated time, receives a grade of F in the course. Grade points are computed on the basis of 4 points for each term hour of A grade; 3 for B; 2 for C; 1 for D; and 0 points for F. Marks of Inc and W are disregarded in the computation of points. The grade-point average (GPA) is the quotient of total points divided by total term hours in which grades are received.

What Do Course Numbers Indicate?

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 from 1 to 299; upper-division (junior and senior) courses are numbered from 300 to 499; courses numbered from 400 to 499 are primarily for seniors, but certain of these courses may be taken for graduate credit, in which case the course is designated (G)/(g); graduate courses are numbered from 500 to 599.

What are Cooperative Courses?

A number of courses are offered by the Portland Extension Center in cooperation with other agencies.

ART CLASSES AT THE MUSEUM ART SCHOOL OF THE PORTLAND ART ASSOCIATION. The Portland Extension Center and the Museum Art School jointly offer eight art courses which provide a variety of study for the beginner as well as for the advanced student. The registration fee is \$12.00 per term for each class. This fee does not include cost of materials unless the course description indicates that this cost is covered. The classes meet at the Portland Art Museum. The number that can be enrolled in any class is limited by the facilities of the studios. Registration for the fall term opens August 20 at the Museum Art School.

IN-SERVICE TRAINING COURSES FOR PORTLAND TEACHERS. In cooperation with the Portland Public Schools, 27 courses are offered as a part of the in-service training program of the school system. These classes meet at the schools designated in the course descriptions and are open to any qualified student. The courses carry university credit, and the fees are the same as for the regular Portland Extension Center classes.

PORTLAND CIVIC THEATRE DRAMA COURSES. The director of the Portland Civic Theatre and instructors in the Civic Theatre School teach classes in acting for beginners and advanced students throughout the regular school year. Under this cooperative arrangement, the facilities of the Civic Theatre are made available to drama students in the Portland Extension Center.

What Is Offered in the Elementary Teacher Education Degree Program in the Portland Center?

The Portland Extension Center has a cooperative arrangement with the three state colleges of education in Monmouth, Ashland and La Grande to provide upper-division courses in elementary education under a five-year emergency program terminating on July 1, 1956. These accredited courses given through the General Extension Division offer an equivalent junior-year curriculum for elementary teacher education. This may be followed, upon specific recommendation of the Dean of the General Extension Division, by a fourth year of concentrated professional preparation at any one of the colleges of education. While it is desirable for the student to spend the entire fourth year at one of the state colleges of education, the student may spend two quarters at a college of education and then return to Portland for the third term of the senior year, which includes the remainder of practice teaching and six hours of related course work directed by the college of education. Upon completion of all requirements, the B. S. degree in elementary education is awarded by the college of education attended.

This cooperative elementary teacher education degree program provides supplementary opportunity during the emergency for students to prepare for this field through the Portland Extension Center. The State Board of Higher Education offers a full four-year professional preparation for elementary teachers in each of the colleges of education, and high school seniors who plan to enter this training are normally advised to enroll as freshmen at one of these colleges.

How Much Graduate-Degree Credit Is Available in the Portland Center?

Graduate work in certain fields may be taken in the Portland Extension Center, leading to degrees from the University of Oregon or Oregon State College. A student may complete all the requirements for the Master of Arts (General Studies) degree at the Portland Center. A student may also complete all of the work for the Master of Education (professional teaching degree), with the exception of a minimum of 12 term hours which must be taken in residence on the University or State College campus. After September 1, 1952, 21 hours must be completed in residence at the University or State College. In a number of fields, one-third of the work for the Master of Arts (departmental), the Master of Science, and the Master of Science in General Studies degrees may be taken in Portland. Graduate work beyond the master's degree is not offered.

ADMISSION. A graduate of any accredited college or university is admitted to the Graduate School by the registrar of the institution from which he wishes to receive his master's degree, upon filing an application for admission and submitting an official transcript of his undergraduate credits. Such admission, however, does not of itself entitle a student to become a candidate for a degree.

QUALIFYING EXAMINATION. Each student working toward a master's degree is given a qualifying examination. He should arrange with the graduate adviser to take the examination before completion of one-third of the work for the degree. When the qualifying examination has been passed, the student is advanced to candidacy for the degree.

Graduates of the University of Oregon who have taken the bachelor's degree with honors in the field of the graduate major are ordinarily exempt from the qualifying examination. Graduates of Oregon State College who have maintained a grade-point average of at least 3.25 throughout their undergraduate period may be exempt from taking the qualifying examination.

TRANSFERRED CREDIT. Not more than 15 term hours can be transferred from another institution toward the master's degree. Transferred credit is provisional until the qualifying examination is taken.

PREPARATION REQUIRED. For a graduate major, the equivalent of an undergraduate major in the same subject is required. Preparation for a graduate minor must be at least a one-year sequence of upper-division work in addition to foundation courses in the subject.

STUDY PROGRAM. Graduate students beginning work toward a degree are expected to plan with the graduate adviser, in tentative form at least,

a complete program of study leading toward the degree desired.

TIME LIMIT. All work for a master's degree, including work for which credit is transferred, thesis, and final examination, must be completed within a period of seven years.

COURSE REQUIREMENTS. Of the 45 term hours required for the Master of Arts (departmental) degree, 30 hours must be in major courses and approximately 15 in minor or service courses. Of the 30 hours of the major, 9 are reserved for the thesis. Approximately 9 term hours in addition to the thesis must be in strictly graduate courses, i.e., those numbered 500 to 599. The student's program must include courses from at least three members of the graduate faculty, amounting to not less than 6 term hours from each.

GRADE REQUIREMENT. Only grades of A and B are acceptable for course work to be accepted toward a master's degree. A student may earn up to 9 hours of C grade, which must be offset by A or B grades before he is disqualified.

LANGUAGE REQUIREMENT. For the Master of Arts (departmental) degree the student must show, by examination or by adequate undergraduate courses, a reading knowledge of one foreign language, preferably French or German. For the Master of Science degree there is no foreign-language requirement.

THESIS AND FINAL EXAMINATION. Information concerning the form for typing the thesis may be obtained from the graduate office on the campus where the degree is to be taken. Theses must be filed in the graduate office two weeks before the final examination. This examination will be given on the campus of the institution by which the degree is to be granted.

REGISTRATION. To register, a graduate student obtains a blue registration card, fills it in completely, and has it signed by his instructors and adviser. The blue card and the class cards are filed at the time the registration fee is paid.

MASTER OF ARTS (GENERAL STUDIES). In addition to the regular Master of Arts (departmental) degrees, the University of Oregon and Oregon State College offer the degree of Master of Arts (General Studies) in fields in which graduate work is allocated to the institution. This degree is granted for achievement in cultural scholarship rather than for specialized study in one of the traditional fields of learning. The degree is centered about the thesis, which must not be of a specialized departmental type nor one that falls under the provisions for a joint thesis be-

tween two departments, but one for which the supporting work is found in three or more departments. It is this approach through the resources of several departments that characterizes it as a "general" degree. The thesis provides the focus for the selection of courses in the program. The credit requirement is the same as for other master's degrees, 45 term hours. The thesis shall be the equivalent, in point of performance, of 9 term hours of course work. At Oregon State College, if not all of the remaining 36 term hours are needed in support of the thesis, an ordinary minor may be included in the program. The general studies program at the University and State College is supervised by special committees, of which Dr. W. J. Dixon is chairman at the University and Dr. E. A. Yunker at the College. This committee may, on recommendation of the student's adviser, waive the foreign-language requirement customary for an Arts degree.

The regular adviser in Portland is Dr. James C. Caughlan. If the desired courses are available, all of the requirements for this degree from Oregon State College may be completed in the Portland Extension Center and the Portland Summer Session, and all but 12 hours for the degree from the University of Oregon.

MASTER OF EDUCATION. All work (except 12 term hours, which must be completed in residence on the University or State College campus) required for the Master of Education degree may be taken in the Portland Extension Center. The M.Ed. is a professional degree, and teaching experience is necessary for the fulfillment of the requirements. An integrated program is planned for the prospective candidate, including work in an area of concentration related to the student's professional teaching interests or teaching fields.

General graduate regulations governing admission to the Graduate School, time limit, grades, undergraduate preparation, and qualifying and final examinations apply to work toward this degree. Information and detailed instructions may be obtained at the Portland Center office.

MASTER OF SCIENCE (GENERAL STUDIES). A program of graduate study is 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, offered by the University of Oregon.

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

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

- (1) A total of between 45 and 51 term hours in graduate courses, distributed in accordance with (a) and (b), below:
 - (a) A total of 36 term hours in graduate courses in two departments or fields of study, including not less than 15 term hours in each field. At least 6 term hours must be in 500 courses in one of the two departments; the student's program must be planned to provide well-rounded knowledge, and must not be made up of scattered, unrelated courses.
 - (b) Between 9 and 15 term hours in graduate courses in the field of education, the number of hours to be determined on the basis of the work in education completed by the student as an undergraduate. (The state certification requirement specifies 9 term hours of graduate work in education and 6 term hours in education electives, which may be taken either at the undergraduate or graduate level; students who take these electives as graduate students must complete a total of 15 term hours of graduate work in education to qualify for the degree of Master of Science in General Studies.)
- (2) Satisfaction of the regular requirements of the Graduate School for the master's degree, except that no thesis is required.

The program is administered by the dean of the Graduate School and supervised by the Committee on General Studies. Not more than 15 hours of credit toward this degree may be completed in Portland.

At What Times are Classes Scheduled?

Classes meet once a week, unless otherwise noted in course descriptions. Two-hour classes meet from 7:15 to 9:00 P.M.; three-hour classes from 6:45 to 9:25 P.M. Some deviations from this schedule are necessary in laboratory courses.

What Other General Extension Division Facilities are Available?

VANPORT EXTENSION CENTER. This Center brings to Portland much of the first two years of college and university work offered by the State System through the University of Oregon, Oregon State College, and the colleges of education. Detailed information may be obtained from Vanport Extension Center, North Burgard, Portland 3, Oregon (telephone UNiversity 1605).

DEPARTMENT OF STATE-WIDE SERVICES. These services consist of State-Wide classes and Correspondence Study courses. Any community

in Oregon may become an extension-class center if a satisfactory meeting place is provided and sufficient enrollment is guaranteed to cover actual operating cost. Students may frequently find a schedule of correspondence courses through which to continue their program of study when not in residence.

Visual Instruction

The Department of Visual Instruction of the General Extension Division maintains a lending library of 16mm educational motion picture films, 35mm filmstrips and 2 x2 Kodachrome slide sets. These materials are available for loan to schools and adult organizations of all types for use in Oregon. A catalog is published listing the material that is available. The department specializes in offering assistance to organizations of all types, including schools, in the selection and use of audio-visual aids of all kinds. The department cooperates with the Department of State-Wide Services in organizing and conducting workshops and follow-up classes for teachers in the use of audio-visual aids. Many of these carry graduate credit. The Federal Co-operative Extension Service of Oregon State College cooperates in the maintenance of the department to the end that the Agricultural Extension Service will be especially serviced. Office of the Department of Visual Instruction, General Extension Division, is located in the Coliseum, Oregon State College, Corvallis.

Radio Station KOAC

Radio Station KOAC is Oregon's public-owned station of which the State Board of Higher Education is the managing agency. The station is located at Corvallis, on the campus of Oregon State College, the licensee and operator of the physical plant. The General Extension Division of the State System of Higher Education directs the program service. Program talent is drawn from Oregon State College, the University of Oregon, the Oregon colleges of education, and from various departments of the state government. In addition, many other public agencies, organizations, and individuals contribute frequently to broadcasts from the station. The station, established in 1925, is operated in the interest of the Oregon public. The programs are free from commercialism. KOAC operates with 5,000 watts power in the daytime and 1,000 watts power in the evening, on a frequency of 550 kilocycles by authority of the Federal Communications Commission. Announcements of radio programs are issued periodically and will be furnished on request. Main studios and office are located at Corvallis, and other studios at the State Capitol, Salem; the University of Oregon, Eugene; and Vanport Extension Center, Portland.

Description of Courses

For an explanation of the course-numbering system, see page 14. The hours indicated, following the course title, represent the term hours of credit which may be earned. The symbol in parenthesis preceding a course description is to be used only as a guide for the convenience of advisers. (U) indicates the University of Oregon; (S) Oregon State College; (C) the colleges of education; and (G) the General Extension Division. The Portland Extension Center reserves the right to discontinue or combine classes and to change instructors.

Anthropology

Instructor: French

Upper-Division Courses

(U) Anth 423, 424, 425. **Peoples of the Pacific.** 3 hours each term.

Life and customs among the native groups of the South Pacific, including Polynesia, Micronesia, Melanesia, Australia, and Indonesia. Prerequisite: 9 hours in anthropology or consent of instructor. Wednesday, 6:45-9:25; Room 204.

Art

Instructors: Barrier, Bunce, Kennedy, Littman, Lynch, McLarty, Russo, Voorhies, Wiley.

The following classes are given in cooperation with the Museum Art School. The registration fee is \$12.00 per term for each class, plus a special course fee as indicated in some of the courses. Students register at the Museum Art School, S.W. Park Avenue at Madison Street, where the classes are held.

Lower-Division Courses

(U) AA 114a, 114b, 114c. **Survey of Visual Arts.** 1 hour each term.

For beginners and laymen. A survey of many aspects of the arts, with discussion and practice in drawing, composition, painting, and sculpture, for the purpose of increasing the student's powers of observation and expression and leading to a better understanding of the arts. Barrier, McLarty. 7:30-9:30. Section I: Tuesday; Section II: Thursday. Course fee, \$2.00 in addition to registration fee.

(U) *AA 255. **Lower-Division Ceramics.** 1 hour any term.

Creative approach to ceramics, including knowledge of various clays, building forms by hand, and experience with glazes. Kennedy. 7:30-9:30. Section I: Tuesday; Section II: Wednesday; Section III: Thursday. Course fee, \$3.00 in addition to registration fee.

(U) *AA 290. **Painting.** 1 hour any term.

Problems of the individual student; instruction in the use of a variety of medi-

ums. 7:30-9:30. Section I: Voorhies, Tuesday; Section II: Russo, Wednesday; Section III: Wiley, Thursday.

(U) *AA 291. **Life Drawing.** 1 hour any term.

Emphasis on drawing from models. 7:30-9:30. Section I: Wiley, Wednesday; Section II: Voorhies, Thursday.

(U) *AA 293. **Sculpture.** 1 hour any term.

Experience with modeling from the figure and from imagination and practice in casting. Progressive series of problems in sculpture. 7:30-9:30. Littman. Section I: Tuesday; Section II: Thursday. Course fee, \$3.00 in addition to registration fee.

(U) AA 380. **Graphic Arts (Silk Screen).** 1 hour any term.

A study of design principles and technical methods involved in silk screen. Bunce. Wednesday, 7:30-9:30. Course fee, \$8.00 in addition to registration fee.

(U) A 0313. **Commercial Design.** No credit, any term.

Commercial design including posters, cartoons, and book jackets. Prerequisite: previous training. Lynch. Tuesday, 7:30-9:30.

(U) A 07. **Basic Design.** No credit, any term.

Study of basic art structure, elements, line, dark and light, and color. Barrier. Wednesday, 7:30-9:30.

Art Education

Instructors: Halvorsen, Schukart.

Lower-Division Courses

(C) A 211. **Art Structure I.** 3 hours fall.

The elements of design, color, and representation as they are related to the needs of the student. Creative work is stressed, the student receiving actual experience in different media. Schukart. Monday, 6:45-9:25; Room 315.

(C) A 212. **Art Structure II.** 2 hours winter.

Principles of design, structural and decorative; application through various media; foundation material for design in school work. Prerequisite: A 211. Schukart. Monday, 6:45-9:25; Room 315.

Upper-Division Courses

(C) A 311. **Art Structure III.** 3 hours spring.

Evaluation of the various approaches to the creative art experiences made possible in the flexible course of study. Lectures, reading, and discussions deal with recent trends of art expression relative to individual needs at various age levels from primary through the junior high school. Prerequisite: A 211, 212. Schukart. Monday, 6:45-9:25; Room 315.

(U) AA 414p, 415p, 416p. **Art Education.** 3 hours each term.

Study of contemporary influences in art education in regard to method, subject matter, material, etc., in relation to teaching problems, lesson plans, units, and courses of study. Halvorsen. Thursday, 6:45-9:25; Room 315.

* Students who have met the prerequisites of 15 hours in either AA 255, 290, 291, and 293 may petition to be allowed to take these courses for upper-division credit.

Bacteriology

Professor: Sears

Assistant Professor: Veazie

Upper-Division Courses

(G) Bac 348, 349, 350. **Microbiology and Communicable Diseases.** 2 hours each term.

A study of microorganisms and their relation to human infectious disease. Sears. Tuesday, 7:15-9:00; Room 214.

(G) Bac 352a, 352b, 352c. **Medical Bacteriology and Parasitology Laboratory.** 1 hour each term.

A laboratory study of disease microorganisms and animal parasites, with special reference to the procedures used in the isolation and identification of species. The spring term will be devoted to the study of animal parasites. Prerequisite: working knowledge of bacteriologic technics. Veazie. Thursday, 7:15-9:00; Bacteriology Laboratory, third floor, Medical School. Laboratory fee, \$3.00 each term, in addition to registration fee of \$12.00.

Business Administration

Professors: Ballaine, Janney, Lomax.

Associate Professors: Campbell, Collier, Ziebarth.

Assistant Professors: Callis, Ford, Parker, Richins.

Instructors: Bell, Chappel, Conkling, Deutschmann, Pattullo, Skelton, Wallsinger, Wilson.

Accounting

Lower-Division Courses

(U) BA 111, 112, 113. **Constructive Accounting.** 3 hours each term.

Technique of account construction; preparation of financial statements. Application of accounting principles to practical business problems. Required of majors; prerequisite to advanced work in business. 6:45-9:25.

Fall: BA 111, Skelton. Monday, Room 113.

BA 111, Skelton. Tuesday, Room 113.

BA 113, Parker. Thursday, Room 106.

Winter: BA 111, Parker. Thursday, Room 106.

BA 112, Skelton. Monday, Room 113.

BA 112, Skelton. Tuesday, Room 113.

Spring: BA 112, Parker. Thursday, Room 106.

BA 113, Skelton. Monday, Room 113.

BA 113, Skelton. Tuesday, Room 113.

Upper-Division Courses

(U) BA 420a, 420b. **C.P.A. Problems.** 2 hours each term, fall and winter.

Intensive study of problems and questions asked by examining boards and in the American Institute of Accountants examinations. Training in correct analysis and correct form and in speed in solving problems. Wilson. Monday, 7:15-9:00; Room 208.

- (U) BA 479, 480. **Income-Tax Procedure.** 3 hours each term, fall and winter.
Income-tax laws of the United States and the state of Oregon. Facts involved in making up the various returns; use of the various sources of information. Prerequisite: senior standing in BA 483, 484, 485 or equivalent. Pattullo. Thursday, 6:45-9:25; Room 113.
- (U) BA 483, 484, 485. **Accounting Theory and Practice.** 3 hours each term.
The theory of accounting records and statements; statements of affairs, depreciation, analysis of profit-and-loss accounts, receiverships, balance-sheet construction and problems. Required of students majoring in accounting. Janney. Monday, 6:45-9:25; Room 106.
- (U) BA 489, 490, 491. **Advanced Accounting Theory and Practice.** 3 hours each term.
Application of the technical phases of accountancy. Professional training in practical accounting theory and auditing. Prerequisite: BA 483, 484, 485. Required of accounting majors. Janney. Tuesday, 6:45-9:25; Room 106.

General Business Courses

Lower-Division Courses

- (U) BA 221. **Elements of Organization and Production.** 3 hours fall.
Principles of management as applied to commercial and industrial concerns. Ziebarth. Wednesday, 6:45-9:25; Room 103.
- (U) BA 222. **Elements of Finance.** 3 hours spring.
The financial problems of corporations. Organization of corporations; how they obtain long-term funds; management of working capital; distribution of securities. Required of all majors. Prerequisite: BA 111, 112, 113 or consent of instructor. Ballaine. Thursday, 6:45-9:25; Room 103.
- (U) BA 223. **Elements of Marketing.** 3 hours winter.
Methods, policies, and problems. Private and cooperative channels, auctions, exchanges, middlemen; demand creation, assembly, standardization, packaging, financing, risk taking, distribution. Required of all majors. Ballaine. Thursday, 6:45-9:25; Room 103.

Upper-Division Courses

- (U) BA 323. **Office Organization and Management.** 2 hours spring.
Elements of office organization, office management, office records and systems. Special study of the office manager as an executive, and his qualifications. Prerequisite: consent of instructor. Wallsinger. Monday, 7:15-9:00; Room 109.
- (U) BA 339. **Principles of Advertising.** 3 hours spring.
Advertising as a factor in the distributive process; the advertising agency; the "campaign"; the function of research and testing; the selection of media—news-papers, magazines, broadcasting, outdoor advertising, direct mail. Deutschmann. Friday, 6:45-9:25; Room 109.
- (U) BA 411. **Business Public Relations.** 3 hours winter.
Public relations of business firms; tools and techniques for determining public reactions; methods of securing good public relations. Open to nonmajors with consent of the instructor. Chappel. Tuesday, 6:45-9:25; Room 203.

- (U) BA 412. **Personnel Management.** (G) 3 hours fall.
The place and significance of personnel management in the modern business organization; personnel policies and practices conducive to good relations with employees. Personnel problems of small organizations. Prerequisite: BA 222, 223 or consent of instructor. Ford. Friday, 6:45-9:25; Room 114.
- (U) BA 416, 417, 418. **Business Law.** 3 hours each term.
Application of fundamental legal principles to typical business situations; illustrated by selected cases. The following topics are considered: contracts, bankruptcy, insurance, suretyship, sales, agency, personal property, real property, business organizations, partnerships, corporations, associations, trusts, joint stock companies, negotiable instruments. Collier. 6:45-9:25. Section I: Tuesday, Room 201; Section II: Wednesday, Room 201.
- (U) BA 425. **Real-Estate Fundamentals.** (G) 3 hours fall.
Problems relating to the purchase, transfer, lease, and financing of land and buildings; home building, site selection, principles of house-and-lot evaluation. Open to nonmajors. Callis. Friday, 6:45-9:25; Room 111.
- (U) BA 435. **Sales Management.** (G) 3 hours fall.
Structure of sales organizations; sales policies; control of sales operations; sales planning; market analysis; coordination of production and sales; selection, training, and management of salesmen. Prerequisite: BA 223, or consent of instructor. Richins. Friday, 6:45-9:25; Room 113.
- (U) BA 436. **Retail Merchandising.** (G) 3 hours winter.
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 or consent of instructor. Richins. Friday, 6:45-9:25; Room 113.
- (U) BA 437. **Credits and Collections.** (G) 3 hours fall.
The credit and collection policies of wholesale concerns, retail firms, and banks. The sources of credit information, the use of agency reports, interpretation of financial statements; collection tools and their uses. Prerequisite: BA 222, 223, or consent of instructor. Ballaine. Thursday, 6:45-9:25; Room 103.
- (U) BA 442. **Principles of Salesmanship.** (G) 3 hours spring.
Principles and techniques of personal salesmanship; selling reactions. From the standpoints of seller and buyer. Prerequisite: BA 223 or consent of instructor. Richins. Friday, 6:45-9:25; Room 113.
- (U) BA 448. **Air Transportation.** (G) 3 hours winter.
Air transportation systems; Federal regulation; airport development in the United States; feeder air lines; nonscheduled air transportation. Prerequisite: BA 111, 112, 113; BA 222, 223 or consent of instructor. Ziebarth. Wednesday, 6:45-9:25; Room 103.
- (U) BA 456. **Property Insurance.** 3 hours spring.
Nature of coverage, types of underwriters, types of contracts; analysis of the policy contract, special endorsements and factors determining rates and adjustment of losses. Prerequisite: consent of instructor. Tuesday, 6:45-9:25; Room 203.
- (U) BA 463, 464, 465. **Investments.** 3 hours each term.
Methods for evaluating various kinds of investment securities; formulation of an investment policy. Detailed study of the special phases of investments including

taxation, brokerage services, and security markets. Application of investment principles to the analysis of specific securities in the industrial, public-utility, and railroad fields. Bell. Tuesday, 6:45-9:25; Room 210.

(U) BA 467. **Public-Utility Management.** (G) 3 hours fall.

Production, distribution, and finance problems of public utilities; rates, accounting methods, flotation of securities, public relations, and consolidations. Prerequisite: BA 222, 223 or consent of instructor. Conkling. Tuesday, 6:45-9:25; Room 203.

(U) BA 471, 472, 473. **Management of Ocean Shipping.** (G) 3 hours each term.

A year sequence in shipping economics and techniques. Fall: ocean-carrier organization; functions of the port engineer; operating problems related to fuels and power plants. Winter: functions of the terminal superintendent; harbor belt lines; foreign-trade zones; functions of the freight traffic manager; handling and stowage of cargo; papers and documents. Spring: chartering; freight forwarding; marine insurance. Prerequisite: BA 222, 223 or consent of instructor. Lomax. Wednesday, 6:45-9:25; Room 206.

(S) BA 497. **Human Relations in Business and Industry.** (g) 3 hours spring.

Relationships among managerial, supervisory and other workers; actual cases used to help develop attitudes, frames of reference, and approaches which will be useful in solving human relations problems in business. Prerequisite: senior standing or consent of instructor. Campbell. Tuesday, 6:45-9:25; Room 111.

See also:

Ec 201, 202, 203. **Principles of Economics** (under Economics).

Wr 214. **Business English** (under English—Writing).

Sp 221. **Public Discussion** (under Speech).

Sp 225, 226. **Public Speaking for Business and Professional Men and Women** (under Speech).

Ec 417. **Contemporary Economic Problems.** (G) (under Economics).

Ec 418a, 418b. **Public Finance.** (g) (under Economics).

Ec 450, 451. **Comparative Economic Systems.** (G) (under Economics).

Chemistry

Associate Professor: Todd.

Lower-Division Courses

(S) Ch 104, 105, 106. **General Chemistry.** 4 hours each term.

Standard first-year college chemistry. Prerequisite: adequate background in mathematics. Lecture: Wednesday, 6:30-8:30; Room 1, Medical School. Laboratory: Thursday, 6:30-10:30; Biochemistry Laboratory, first floor, Medical School. Laboratory fee, \$4.00 each term.

Drama

(See SPEECH)

Economics

Professors: Elkinton, Nelson.

Assistant Professor: Wattles.

Instructor: Robbins.

Lower-Division Courses

- (U) Ec 201, 202, 203. **Principles of Economics.** 3 hours each term.
Principles that underlie production, exchange, distribution, etc. Prerequisite: sophomore standing. Elkinton. Wednesday, 6:45-9:25; Room 209.

Upper-Division Courses

- (U) Ec 417. **Contemporary Economic Problems.** (G) 3 hours spring.
A study of contemporary business conditions and problems; the impact of war upon our economic system; problems of adjustment to a permanent basis. Prerequisite: Ec 201, 202, 203 or consent of instructor. Wattles. Tuesday, 6:45-9:25; Room 103.
- (S) Ec 418a, 418b. **Public Finance.** (g) 2 hours each term, fall and winter.
Public expenditures, local, state, and national; taxes, customs, and fees; land taxation; proposed reforms; war finance; bonds versus taxes; management of national and local debts. Prerequisite: elementary economics or consent of instructor. Nelson. Wednesday, 7:15-9:00; Room 314.
- (U) Ec 450, 451. **Comparative Economic Systems.** (G) 3 hours each term, fall and winter.
An analytical comparison of capitalism and other economic systems. Prerequisite: Ec 201, 202, 203 or consent of instructor. Robbins and Wattles. Tuesday, 6:45-9:25; Room 103.

Education

Professors: Caughlan, Jacobson, Stevens, Zeran.

Associate Professors: Bernard, Duryea, Hearn, Morris, Phelps, Reichart, Sandin.

Assistant Professors: Dunn, Ferrier, Hogg, Hummel, Lange, Noxon, Rummel, Schmidt.

Instructors: Blanchard, Bond, Bortolazzo, Boyd, Campbell, Condit, DeBernardis, Erickson, Hartley, Logan, Morris, O'Dea, Patton, Pierce-Jones, Schukart, Wolf.

Upper-Division Courses

- (U) Ed 311. **Secondary Education in American Life.** 3 hours fall.
Development and present status of secondary education as an American institution; social and psychological bases; objectives, functions, programs, curricula, and courses; personnel work and other responsibilities of teachers. Bortolazzo. Thursday, 6:45-9:25; Room 109.
- (U) Ed 312. **Educational Psychology.** 3 hours fall, winter, or spring.
Physical, mental, emotional, and social development as bases for learning; educationally significant individual and group differences; learning and factors affecting learning. 6:45-9:25. Fall: Bernard. Tuesday, Room 204. Winter: Bortolazzo. Thursday, Room 109. Spring: Dunn. Friday, Room 114.

- (U) Ed 313. **Principles of Teaching.** 3 hours spring.
Study of the actual classroom teaching process, including classroom organization and management, planning teaching units, evaluating pupil learning, and similar problems. Prerequisite: Ed 312. Bortolazzo. Thursday, 6:45-9:25; Room 109.
- (U) Ed 316. **Oregon School Law and System of Education.** 2 hours fall, winter, or spring.
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. 7:15-9:00. Fall: Campbell. Tuesday, Room 111. Winter: Condit. Wednesday, Room 111. Spring: Condit. Thursday, Room 306.
- (C) Ed 351. **Health Education.** 2 hours fall.
Teaching of health education with emphasis on health knowledge, health attitudes, and health habits of school children, and the development of a health-service program. Special study of the state health-education program. Prerequisite: Sc 101, 102, 103; H 150, or consent of instructor. Logan. Monday 7:15-9:00; Room 109.
- (C) Ed 354. **Introduction to Education.** 3 hours spring.
Introduction to the field of education, including a historical survey of the American public-school system; the importance of public education to the life of the republic; the relation of the school to other social agencies; the relationship of education to other professions; the opportunities for service in the principal fields of educational work; current issues in American education; and the desirability of having a working philosophy of education. Stevens. Friday, 6:45-9:25; Room 111.
- (C) Ed 358. **Primary Education.** 3 hours winter.
Principles and procedures of curriculum for primary grades; the young child studied in relation to home, primary school, and other agencies in the community. Designed to acquaint students with modern teaching procedures and materials, and to provide opportunity for application of sound psychological principles to guidance of children's learning. Class discussion, observations in the training schools, and organization of teaching materials. Prerequisite: Ed 354, Psy 201, or consent of instructor. Phelps. Friday, 6:45-9:25; Room 114.
- (C) Ed 359. **Intermediate and Upper-Grade Education.** 3 hours fall.
Principles and procedures of curriculum for intermediate and upper grades. Designed to acquaint student with modern teaching procedures and materials and to provide opportunity for application of sound psychological principles to guidance of children's learning. Class discussion, observation in the training schools, and organization of teaching materials. Prerequisite: Ed 354, Psy 201, or consent of instructor. Noxon. Friday, 6:45-9:25; Room 104.
- (C) Ed 362. **Story Telling.** 2 hours fall.
Materials, techniques, and principles underlying the presentation of poetry and stories for very young children, with actual practice under supervision in their presentation. Morris. Wednesday, 7:15-9:00; Room 111.
- (C) Ed 380. **Elementary-School Library.** 2 hours winter.
Organization, administration, and development of the elementary-school library, including instruction in simple methods of handling essential technical, mechanical, and business processes; the care and repair of books; evaluation of reference materials useful for both teacher and children; stimulation of wider use of books for study and recreation; utilization of the library resources of Ore-

gon, and service of the school library to the community. Bond. Friday, 7:15-9:00. Room 106.

(U) Ed 407. **Seminar: Foundations of Education.** 3 hours winter.

A comprehensive survey of some of the major historical, philosophical, psychological, and social factors underlying present-day American education. Problems of educational and personal adjustment in modern society. Stevens and staff. Monday, 6:45-9:25; Room 111.

(C) Ed 408 (a). **Methods and Materials (Art).** 3 hours spring.

Problems and methods in selecting and organizing materials for instruction; comparison and evaluation of methods, laboratory techniques, supplies, equipment; economy of time and materials. Teaching course required in minors. Teaching of art. Schukart. Thursday, 6:45-9:25; Room 204.

(C) Ed 408 (ss). **Methods and Materials (Social Science).** 3 hours spring.

Problems and methods in selecting and organizing materials for instruction; comparison and evaluation of methods, laboratory techniques, supplies, equipment; economy of time and materials. Teaching course required in minors. Teaching of social science. Wolf. Friday, 6:45-9:25; Room 104.

(C) Ed 418. **Educational Tests and Measurements.** 3 hours fall or winter.

Presentation of standardized tests in the various subjects taught in the elementary schools and in group intelligence tests, the uses and limitations of such tests, the general principles of classroom test making, and practice in administering, scoring, and interpreting various tests given in the elementary school. Stevens. Friday, 6:45-9:25; Room 112.

(U) Ed 424. **Measurement in Education.** (G) 3 hours winter.

Use and interpretation of informal and standardized tests as supervisory and guidance instruments for the diagnosis, analysis, evaluation, and improvement of instruction in the elementary and secondary schools. Test planning, item writing, essay testing, administration and scoring, analysis of scores and grade assignment. Simple statistics of test interpretation. Rummel. Tuesday, 6:45-9:25; Room 205.

(S) Ed 431. **Selection and Use of Teaching Aids.** (G) 3 hours spring.

Film, slide, chart, and other visual materials; selection and use to best advantage; operation of projectors and other equipment. Blanchard. Tuesday, 6:45-9:25; Room 4.

(U) (C) Ed 435. **Audio-Visual Aids.** (G) 3 hours fall.

The development and use of audio-visual aids in education. Emphasis on actual learning situations in which radio, recordings, films, slides, pictures, maps, charts, etc., are utilized. Sources of materials and equipment; administration of audio-visual program. DeBernardis. Wednesday, 6:45-9:25; Room 210.

(U) Ed 440. **History of Education.** (G) 3 hours fall.

A general review of the growth and development of education in relation to the civilization of the times; emphasis on development of educational philosophies. Stevens. Monday, 6:45-9:25; Room 111.

(G) Ed 450. **Radio Education (Television).** (G) 3 hours winter.

A study of the use of radio and television as instruments of education. The course includes discussion, demonstrations, reports, and lectures on radio's and television's place in education; philosophy of radio and television education; planning and supervising the school use of radio and television; organizing the school and

- community for selection and use of programs; evaluating instruction by radio and television; objectives in developing discrimination; possibilities of future developments. Morris. Thursday, 6:45-9:25; Room 204.
- (U) Ed 460. **Psychology of Childhood.** (G) 3 hours winter.
The facts and principles of child behavior and development from conception to adolescence. Prerequisite: general psychology or consent of instructor. Pierce-Jones. Wednesday, 6:45-9:25; Room 315.
- (C) Ed 460. **Applied Mental Hygiene.** 3 hours fall or spring.
A study of the development of personality, personality conflicts, mechanisms of adjustment, and the basic principles of mental hygiene. Emphasis is placed on application of mental hygiene principles to personality development of teachers and of children. 6:45-9:25. Fall: Bernard. Monday, Room 204. Spring: Boyd. Wednesday, Room 111.
- (U) Ed 461. **Adolescence: Growth and Development of the Individual.** (G) 3 hours winter.
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. Bernard. Tuesday, 6:45-9:25; Room 204.
- (U) Ed 462. **Psychology of Exceptional Children.** (G) 3 hours spring.
Survey of characteristics and problems of all types of exceptional children, with special emphasis on those with sensory handicaps; consideration of essential educational adaptations. Bernard. Tuesday, 6:45-9:25; Room 204.
- (U) Ed 465. **Diagnostic and Remedial Techniques.** (G) 3 hours spring.
Diagnostic, remedial, and corrective techniques in basic school subjects; application of techniques to actual cases. Phelps. Thursday, 6:45-9:25; Room 214.
- (U) Ed 466. **Diagnostic and Remedial Instruction in the Skills (Arithmetic).** 3 hours winter.
Opportunity to study the diagnostic and remedial treatment of difficulties in arithmetic. Consideration is given to the prevention of errors, standardized and informal tests, the psychology of drill, practice exercises, and the provision for individual differences. Hartley. Monday, 6:45-9:25; Room 206.
- (S) SEd 481. **Alcohol Studies in the School Curriculum.** (G) 3 hours winter.
Incorporation of scientific information about alcohol in school curriculum; physiological, psychological, sociological, and legal aspects of alcoholism. Prerequisite: 24 hours upper-division education. Ferrier. Thursday, 6:45-9:25; Room 4.
- (S) Ed 485. **Principles and Practices of Guidance Services.** (G) 3 hours fall.
Overview of guidance and personnel work. Attention given to vocational, educational, health, social, personality, recreational, and other aspects of individual development. Participation of teachers, counselors, administrators, parents, and community organizations in a program of guidance. For all teachers and administrators. Students specializing in guidance should begin with this course. Prerequisite: senior standing. Zeran. Tuesday, 6:45-9:25; Room 109.
- (C) Ed 485. **Principles and Practices of Guidance Services.** 3 hours fall.
An introduction to the field of guidance and counseling as related to the *elementary* school. Methods and means of assisting students with personal, educational, and vocational problems are studied. Includes studies of school policies, administration, and tests involved in a guidance program. The social agencies available to the school are also emphasized. Erickson. Thursday, 6:45-9:25; Room 110.

- (S) Ed 486. **Occupational and Educational Information.** (G) 3 hours spring.
Materials available regarding occupations; interpretations of present trends; value and usefulness for high-school and college students. Prerequisite: senior standing. O'Dea. Tuesday, 6:45-9:25; Room 109.
- (S) Ed 487. **Counseling Techniques.** (G) 3 hours winter.
Mental, achievement, trade, and other tests; administration of such tests; classifications; methods in educational and vocational counseling. Prerequisite: Ed 485. O'Dea. Tuesday, 6:45-9:25; Room 109.
- (U) Ed 490. **Social Education.** (G) 3 hours winter.
Structure and functioning of society, as a background for the study and evaluation of education in its varied forms; the contribution of sociological principles and findings to the improvement of educational practices. Stevens. Wednesday, 6:45-9:25; Room 109.
- (U) Ed 492. **Recent Trends in Language Arts.** (G) 3 hours spring.
Designed to provide guidance and assistance to in-service teachers and other qualified students in making a survey and organizing materials related to language arts and in developing procedures and techniques of evaluation in terms of the integrated program. Through readings, class discussions, and demonstrations, students become acquainted with each of the four areas of the language arts: reading, speaking, writing, and listening. Phelps. Tuesday, 6:45-9:25; Room 205.

Graduate Courses

- (U) Ed 501. **Educational Research.** Terms and hours to be arranged.
Supervised research by qualified graduate students and the faculty members in whose field the investigation lies. Staff.
- (U) Ed 501 (F). **Educational Research (Field Study).** Terms and hours to be arranged.
Field study for graduate students who plan to take the Master of Education degree from the University of Oregon. Staff.
- (U) Ed 503. **Thesis.** Terms and hours to be arranged.
Staff.
- (U) Ed 505. **Reading and Conference.** Terms and hours to be arranged.
Caughlan and staff.
- (U) Ed 507. **Seminar: Foundations of Education.** 3 hours winter.
A comprehensive survey of some of the major historical, philosophical, psychological, and social factors underlying present-day American education. Problems of educational and personal adjustment in modern society. Stevens and staff. Monday, 6:45-9:25; Room 111.
- (U) Ed 507. **Seminar: Improvement of Instruction in Reading.** 3 hours fall.
The problems of those enrolled will be considered. All readings and instruction will be directed to the solution of the class members' reading problems as found in their teaching. Schmidt. Monday, 6:45-9:25; Room 210.
- (U) Ed 507. **Seminar: Recent Trends in Social Studies.** 3 hours winter.
Examination of the recent thinking in social studies since 1945. This, also, includes the publications of the Social Studies Council and the discussions of the leaders in education concerning social education and common learnings. Schmidt. Monday, 6:45-9:25; Room 210.

- (U) Ed 507. **Seminar: Recent Trends in Teaching of English.** 3 hours spring.
An examination of the present trends in the area, both within the elementary and the secondary fields. Both the class discussions and the readings will be concerned with the trends in language arts since 1945. Schmidt. Monday, 6:45-9:25; Room 210.
- (U) Ed 507. **Seminar: Special Education.** 3 hours fall.
An intensive study of resources, materials, and methods in special education in the public schools. Lectures, discussion, and special projects. Hogg. Thursday, 6:45-9:25; Room 204.
- (U) (S) Ed 512. **Research Procedures in Education.** 3 hours fall or spring.
Methods, techniques, and tools for doing research work; meaning of scientific method; ways of locating and formulating problems; techniques for solving problems; necessary statistical tools; collection and interpretation of data; preparation of research reports. 6:45-9:25. Fall: Reichart. Friday, Room 104. Spring: Bernard. Monday, Room 204.
- (U) Ed 522. **Problems in American Secondary Education.** 3 hours winter.
An advanced course for experienced teachers. The school in the community; guidance activities in the school; extraclass activities; the role of the school in contemporary society; the teacher in the local community. Jacobson. Wednesday, 6:45-9:25; Room 203.
- (U) Ed 523. **School Activity Program.** 3 hours spring.
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. Hearn. Wednesday, 6:45-9:25; Room 203.
- (S) Ed 543. **History of American Education.** 3 hours spring.
Intellectual development of America with special reference to education. Prerequisite: graduate standing in education. Stevens. Wednesday, 6:45-9:25; Room 109.
- (U) Ed 552. **Elementary-School Problems.** 3 hours fall.
Selected current problems; issues and theories of elementary education; characteristics of modern teaching; major trends in elementary education. Sandin. Tuesday, 6:45-9:25; Room 206.
- (U) Ed 553. **Curriculum of Elementary Schools.** 3 hours winter.
A systematic study of the elementary-school curriculum, including pupil needs in everyday life situations, objectives, essentials of a good program, varying curriculum designs, organization of learning experiences, evaluation of learning, and appraisal of newer curriculum practices. Sandin. Tuesday, 6:45-9:25; Room 206.
- (U) Ed 554. **Supervision of the Elementary School.** 3 hours spring.
The role, duties, needs, and problems of modern supervision, including the evaluation and improvement of the teaching-learning situation. Patton. Monday, 6:45-9:25; Room 211.
- (S) Ed 561. **Advanced Educational Psychology.** 3 hours winter.
Experimental material that seems most useful and relevant to educational psychology. Prerequisite: graduate standing in education. Bernard. Monday, 6:45-9:25; Room 204.

- (U) Ed 572. **Basic Course in School Organization.** 3 hours fall.
Ed 572, Ed 573, Ed 574 required for majors in school administration. Ed 572 deals with organization in both grade and high school; emphasis on the small system. Prerequisite: Ed 311, Ed 312, Ed 313 or teaching experience. Patton. Wednesday, 6:45-9:25; Room 203.
- (U) Ed 573. **Basic Course in School Administration.** 3 hours spring.
Relations of the principal to the school board; school finance, school records and accounts, school building programs, pupil accounting, the teaching staff. Prerequisite: Ed 311, Ed 312, Ed 313 or teaching experience. Campbell. Tuesday, 6:45-9:25; Room 211.
- (U) Ed 574. **Basic Course in School Supervision.** 3 hours winter.
Purpose and plans for supervision; use of texts, diagnosis of pupil difficulty, etc., as applied to both elementary and secondary schools. Prerequisite: Ed 311, Ed 312, Ed 313 or teaching experience. Hummel. Wednesday, 6:45-9:25; Room 210.
- (G) Ed 575. **School Finance.** 3 hours spring.
Study of the major problems of financing education and computing the cost of education. Problems of school revenues, the capital cost of education, budget making. Prerequisite: Ed 311, Ed 312, Ed 313 or teaching experience. Hummel. Monday, 6:45-9:25; Room 206.
- (U) Ed 582. **Curriculum Survey.** 3 hours winter.
Survey and appraisal of curricular patterns; state and city programs; courses of study in major subject areas; techniques of course-of-study planning. Caughlan. Thursday, 6:45-9:25; Room 110.
- (U) Ed 583. **Curriculum Materials.** 3 hours spring.
Effective use and organization of curriculum materials; text and reference books, supplementary pamphlet material, films and slides, records and recordings, pictures, radio, etc.; techniques of unit construction and community survey. DeBernardis. Wednesday, 6:45-9:25; Room 210.
- (U) Ed 586. **Philosophy of Education.** 3 hours spring.
Study of the broad fundamental principles and problems of education, as evaluated by the various schools of philosophical thought. Stevens. Monday, 6:45-9:25; Room 111.
- (U) Ed 587. **Adult Education.** 3 hours fall.
History and philosophy of the adult-education movement; its aims, ranging from the specifically vocational to the cultural. Representative work and methods in adult education. Stevens. Wednesday, 6:45-9:25; Room 109.
- (S) Ed 596. **The American College and University.** 3 hours fall.
Functions and structures of American higher education; land-grant college movement; junior college; current problems and trends in their historical perspective. Duryea. Tuesday, 6:45-9:25; Room 211.
- (S) SEd 598. **Science Curriculum in Secondary Schools.** 3 hours spring.
Trends, problems, and procedures in junior-high and secondary-school science program. Prerequisite: 24 hours upper-division education including Ed 415. Lange. Friday, 6:45-9:25; Room 103.

In-Service Training Courses

Instructors: Bentall, Bloom, Childers, Dawson, DeBernardis, Dobson, Ernst, Forest, Franks, Halvorsen, Harkins, Henriksen, Hicks, Hoel, Jenne, Jones, Laber, Logan, McGill, Nelson, Oliver, Smith, Stotler, Trenholme, Wilson, Wolf, York, Zollinger.

The following courses, arranged in cooperation with the Portland Public Schools, are given for in-service training of Portland teachers. They are also open to other qualified students. The classes are held Tuesday afternoon, from 4:30 to 6:15, at the schools designated in course descriptions.

Lower-Division Courses

- (C) Mus 192, 193. **Class Lessons in Piano.** Total credit, 2 hours fall (winter, if requested).
Mus 192 at 4:00 p.m., Mus 193 at 5:00 p.m. Elementary piano course, including presentation of song material as a background; rhythm; notation; keyboard; tone thinking; tone production; review of teaching material; transposition. Class limited to elementary classroom teachers who have not had piano playing skills. Franks. Shattuck School.
- (U) PE 283. **Rhythms for Children,** 2 hours any term.
Programs of dance for kindergarten and primary-school children. Locomotor skills, imitative movements, singing games, simple folk dances, dramatizations, and creative dance studies. Harkins. Fall: Cleveland High School, Room 116; Winter: Jefferson High School, Room 6; Spring: Cleveland High School, Room 116.

Upper-Division Courses

- (U) Ed 316. **Oregon School Law and System of Education.** 2 hours any term.
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. Required for teacher's certificate in Oregon. Laber, Nelson, Oliver. Fall: Cleveland High School, Room 214; Winter: Jefferson High School, Room 107; Spring: Cleveland High School, Room 214.
- (C) Ed 351. **Health Education.** 2 hours winter.
Teaching health education with emphasis on the health knowledge, health attitudes, and health habits of school children, and the development of a health-service program. Special study of the state health-education program. Logan. Jefferson High School, Room 108.
- (C) A 352. **Art in Environment.** 2 hours fall.
Study and class participation in flower arrangement, classroom decoration; analysis of color, texture, and line applied to clothing; discussion of home and civic improvements related to daily life. Halvorsen. Holladay School.
- (C) A 353. **Art Appreciation.** 2 hours winter.
Designed to offer an appreciative study of painting, architecture, sculpture, and the minor arts in the 19th and 20th centuries; principles and fundamentals of appreciation. No studio work is done, but lectures, outside reading, slides, and class discussion are used. Halvorsen. Holladay School.
- (C) H 358. **First Aid.** 2 hours fall or winter.
First aid for emergency treatment of injuries, with emphasis on the use of knowledge as applied in everyday life and in school situations. Red Cross certificates are given. Hicks. Fall: Cleveland High School, Room 203; winter: Jefferson High School, Room 210.

- (C) PE 370. **Principles of Physical Education.** 2 hours any term.
The scientific basis and background of physical education, its aims, objectives, and standards; the place of physical education in the general educational program, the present trend in physical education, and practical problems of the public-school teacher. Jenne. Fall: Jefferson High School, Room 6; Winter: Cleveland High School, Room 116; Spring: Jefferson High School, Room 6.
- (U) Hst 377. **Oregon History.** 2 hours any term.
Brief survey of the building of civilization in the Oregon country. Required for teacher's certificate in Oregon. Childers, Jones, Trenholme, York, Smith. Fall: Jefferson High School, Room 108; Winter: Cleveland High School, Room, 220; Spring: Jefferson High School, Room 108.
- (G) Mus 383p. **Primary Music.** 2 hours fall.
A course of kindergarten, first-, second-, and third-grade teachers who need assistance in developing their own musical ability as a necessary factor in improving classroom music teaching. Wilson. Jefferson High School, Room 9.
- (C) Ed 406. **Problems in Elementary Education. (Arithmetic).** 2 hours winter.
A seminar-type reading and conference course designed as an elective for candidates for the bachelor's degree in elementary education. It will embrace study and investigation of selected problems in teaching to meet needs of individual candidates. Hoel. Instructional Materials Center, Administration Building.
- (U) Mus 407. **Seminar: Special Problems in Public School Music.** 2 hours winter.
Ernst. Jefferson High School, Room 9. (Not for elementary certification).
- (C) Ed 408 (a). **Methods and Materials (Arts and Crafts).** 2 hours fall.
Problems and methods in selecting and organizing materials for instruction; comparison and evaluation of methods, laboratory techniques, supplies, equipment; economy of time and materials. Henriksen. Cleveland High School, Room 211.
- (C) Ed 408 (m). **Methods and Materials (Intermediate Music).** 2 hours fall.
Problems and methods in selecting and organizing materials for instruction; comparison and evaluation of methods, laboratory techniques, supplies, equipment; economy of time and materials. Ernst. Cleveland High School, Room 108.
- (U) Sp 411. **Speech for the Classroom Teacher.** 2 hours winter.
Instruction in speech and speech forms designed for classroom use. Required for English majors who intend to teach but open to all prospective teachers. Dawson. Cleveland High School, Room 221.
- (C) Ed 418. **Educational Tests and Measurements.** 2 hours winter.
Presentation of standardized tests in the various subjects taught in the elementary schools and in group intelligence tests, the uses and limitations of such tests, the general principles of classroom test making, and practice in administering, scoring, and interpreting various tests given in the elementary school. McGill. Psychometric Laboratory, 220 N.E. Beech Street.
- (C) Ed 435. **Audio-Visual Aids. (G)** 2 hours winter.
The development and use of audio-visual aids in education. Historical background, psychological and educational principles, and experimental studies. Emphasis on actual learning situations in which radio, recordings, films, slides, film strips, pictures, etc., are used. Sources of material and equipment; administration of

- program. Limited to 20. DeBernardis. Department of Instructional Materials, Administration Building.
- (S) HEd 440. **Adult Education in Home Economics.** (g) 2 hours fall.
Problems in adult-education program authorized under Smith-Hughes Act; field work in promoting, organizing, observing, and teaching adult classes. Prerequisite: HEd 422 or consent of instructor. Bloom. Cleveland High School, Room 309.
- (C) Ed 464. **Remedial Reading.** 2 hours fall.
Bentall. Cleveland High School, Room 221.
- (G) Ed 482. **Intercultural Education.** (G) 2 hours fall.
A survey of the problems and materials related to the betterment of human relations. Special techniques in group management and integration of the rejected individual into group situations. Review of background materials needed by the teacher. Limited to 30. Wolf. Cleveland High School, Room 326.
- (S) Ed 485. **Principles and Practices of Guidance Services.** (G) 2 hours winter.
Overview of guidance and personnel work. Attention given to vocational, educational, health, social, personality, recreational, and other aspects of individual development. Participation of teachers, counselors, administrators, parents, and community organizations in a program of guidance. For all teachers and administrators. McGill and Dobson. Psychometric Laboratory, 220 N.E. Beech Street.
- (G) Ed 492. **Recent Trends in Language Arts.** 2 hours fall.
Designed to provide guidance and assistance to in-service teachers and other qualified students in making a survey and organizing materials related to language arts and in developing procedures and techniques of evaluation in terms of the integrated program. Through readings, class discussions, and demonstrations, students become acquainted with each of the four areas of the language arts: reading, speaking, writing, and listening. Zollinger. Jefferson High School, Room 106A.
- (G) Ed 493. **Utilization of Regional Resources.** (G) 2 hours fall.
Study of the imbalances of modern life presenting problems to which education must address itself; the need for a new unit of human association larger than the community and state, and smaller than the nation; the achieving of a balance and coordination of all natural and human resources out of which we create the greatest possible human satisfactions; study of available materials in the field of conservation of resources. Individual projects and reports. DeBernardis. Department of Instructional Materials, Administration Building.
- (U) Ed 507. **Seminar: Curriculum Materials.** 2 hours spring.
DeBernardis. Department of Instructional Materials, Administration Building.
- (U) Ed 507. **Seminar: Mental Hygiene.** 2 hours fall.
Dobson. Jefferson High School, Room 111.
- (S) Ed 507. **Seminar: Science.** 2 hours winter or spring.
Stotler. Winter: Thursday; Spring: Tuesday. Department of Instructional Materials, Administration Building.
- (S) HEd 507. **Seminar: Curriculum Problems in Homemaking.** 2 hours fall.
Forest. Jefferson High School, Room 311.

Engineering

Professors: Holcomb, Sheely, Starr.

Assistant Professors: Clayton, Smith.

Lower-Division Courses

- (S) GE 121, 122. **Engineering Drawing**. 3 hours each term, fall and winter.
Fundamentals of graphic composition with particular emphasis on reading and interpretation of line drawings, charts, and diagrams. Smith. Monday and Wednesday, 6:45-9:25; Room 313.
- (S) GE 123. **Descriptive Geometry**. 3 hours spring.
Theory and problems on the projection of points, lines, surfaces and solids; applications of graphical solution of engineering problems. Prerequisite: GE 111, 112. Smith. Monday and Wednesday, 6:45-9:25; Room 313.

Upper-Division Courses

- (S) CE 322. **Elementary Hydraulics**. 3 hours fall.
Principles underlying pressure and flow of water; laboratory measurements. Prerequisite: Mth 103. Clayton. Wednesday, 6:45-9:25; Room 113.
- (S) CE 405. **Reading and Conference (Indeterminate Structures)**. 2 hours each term, fall and winter.
Holcomb. Wednesday, 7:15-9:00; Room 106.
- (S) EE 405. **Reading and Conference (Industrial Electronics)**. 3 hours fall.
Electronic devices and circuits and their application to industrial processes. Starr. Tuesday, 6:45-9:25; Room 315.
- (S) EE 405. **Reading and Conference (Synchronous Machines)**. 3 hours winter.
The theory of synchronous machines and their application to electric power systems. Starr. Tuesday, 6:45-9:25; Room 315.
- (S) EE 405. **Reading and Conference (Electric Transients)**. 3 hours spring.
Transient electric phenomena in power and communication circuits. Starr. Tuesday, 6:45-9:25; Room 315.
- (S) EE 405. **Reading and Conference (Power System Operation and Coordination)**. 2 hours spring.
The technical and economic operation and coordination of electric power pools. Starr. Tuesday, 7:15-9:00; Room 315.
- (S) IE 465. **Tool Engineering**. 3 hours fall.
Fundamentals of tool engineering and tool design applied to machine tools, production tools, jigs, fixtures, and dies; the correlation of functional tool design with engineering and shop practices. Prerequisite: IE 362, or consent of instructor. Sheely. Monday and Wednesday, 6:45-9:25; Room 305.
- (S) IE 469. **Die Design**. 3 hours winter.
Die design and construction for sheet metal, plastics, die-casting, forging, and extrusion. Analysis of operation sequences, dimensional control, and quality control; economics of tool engineering. Prerequisite: IE 464, or consent of instructor. Sheely. Monday and Wednesday, 6:45-9:25; Room 305.

Graduate Courses

- (S) EE 505. Reading and Conference (Industrial Electronics). 3 hours fall.
- (S) EE 505. Reading and Conference (Synchronous Machines). 3 hours winter.
- (S) EE 505. Reading and Conference (Electric Transients). 3 hours spring.

English

Professor: Powers.

Associate Professors: Collier, Franchere, Henkle.

Assistant Professors: Dahlstrom, Oliver.

Literature*Lower-Division Courses*

- (U) Eng 101, 102, 103. **Survey of English Literature.** 3 hours each term.
From Beowulf to the present. Fall: Beowulf to Milton; Winter: Milton to Byron; Spring: Byron to the present. Franchere. Thursday, 6:45-9:25; Room 112.
- (U) Eng 201, 202, 203. **Shakespeare.** 3 hours each term.
Study of the important plays, comedies, histories, and tragedies. Required for majors. Franchere. Wednesday, 6:45-9:25; Room 112.
- (U) Eng 261, 262, 263. **Survey of American Literature.** 3 hours each term.
American literature from its beginning to the present day. Two consecutive terms required to satisfy the high-school teaching-field requirement. Oliver. Wednesday, 6:45-9:25; Room 202.

Upper-Division Courses

- (U) Eng 316. **Satire.** 3 hours winter.
Satire, or criticism through ridicule, as a major type of literary expression. Examples from various literary forms—dramatic, narrative, and poetic—and from ancient and foreign literatures, as well as English. Special emphasis on contemporary satire. Oliver. Thursday, 6:45-9:25; Room 202.
- (U) Eng 320, 321, 322. **English Novel.** 3 hours each term.
From Richardson and Fielding to the present. Dahlstrom. Monday, 6:45-9:25; Room 202.
- (U) Eng 329. **Literature of the West.** 3 hours spring.
The literature of the trans-Mississippi region from the days of exploration to the present with emphasis on the influence of the frontier. Some attention to Oregon literature. Oliver. Thursday, 6:45-9:25; Room 202.
- (C) Eng 388. **Children's Literature.** 3 hours fall.
Acquaintance with, and appreciation of, the great body of literature belonging to the elementary-school program. Investigations in the field of children's interests in reading and in grade placement of types and pieces of literature. Henkle. Friday, 6:45-9:25; Room 109.
- (U) Eng 405. **Reading and Conference.** Terms and hours to be arranged.
Franchere.

- (U) Eng 411, 412, 413. **English Drama.** (G) 3 hours each term.
The development of English dramatic forms from the beginnings to modern times. Fall: mediaeval to Elizabethan; Winter: 1642 to 1870; Spring: contemporary drama. Dahlstrom. Wednesday, 6:45-9:25; Room 205.
- (U) Eng 481, 482, 483. **Major American Writers: The Romantic Idealists.** (G) 3 hours each term.
Fall: Emerson and Thoreau; Winter: Hawthorne and Melville; Spring: Poe and Lowell. Alternates with Eng 484, Eng 485, Eng 486. Franchere. Tuesday, 6:45-9:25; Room 112.

Graduate Course

- (U) Eng 505. **Reading and Conference.** Terms and hours to be arranged.
Franchere.

Writing

Lower-Division Courses

- (U) Wr 111, 112, 113. **English Composition.** 3 hours each term.
The fundamentals of English composition and rhetoric; frequent written themes. Special attention to correctness in fundamentals and to the organization of papers. 6:45-9:25.
- Fall:* Wr 111, Collier, Thursday, Room 201.
Wr 111, Oliver, Tuesday, Room 202.
- Winter:* Wr 112, Collier, Thursday, Room 201.
Wr 112, Oliver, Tuesday, Room 202.
- Spring:* Wr 113, Collier, Thursday, Room 201.
Wr 113, Oliver, Tuesday, Room 202.
- (S) Eng 211. **Vocabulary Building.** 3 hours winter.
Methods of building individual vocabulary; analysis of words; meaning in context. Designed to increase reading comprehension and effective use of language. Collier. Monday, 6:45-9:25; Room 201.
- (U) Wr 214. **Business English.** 3 hours fall or spring.
Study of modern practices in business correspondence, primarily for students of business administration. Analysis and writing of the principal types of correspondence. Prerequisite: Wr 111, Wr 112, Wr 113. Collier. Monday, 6:45-9:25; Room 201.

Upper-Division Courses

- (U) Wr 324, 325, 326. **Short-Story Writing.** 2 hours each term.
For students interested in creative writing, or in professional writing for magazines. Prerequisite: consent of instructor. Powers. Wednesday, 7:15-9:00; Room 110.
- (G) Wr 354, 355, 356. **Advanced Creative Writing.** 2 hours each term.
Writing in the various forms to provide increased ease, certainty, and force in written expression. An continuation, with emphasis on effectiveness and craftsmanship, for those who have taken lower-division courses in rhetoric. Prerequisite: consent of instructor. Powers. Tuesday, 7:15-9:00; Room 110.

(G) Wr 04, 05, 06. **Writers' Laboratory.** No credit, three terms.

Advanced noncredit course for exploring regional subject matter for fiction and other imaginative forms, and non-fiction, in all lengths. Practice in processing material to meet modern publishing requirements. Market studies; experiments; conferences, forums, lectures. Powers. Monday, 7:15-9:00; Room 110.

Foreign Languages

Instructors: Beattie, Eaton, Herman, Katz, Krivoshein, Spada.

French

Lower-Division Courses

(U) RL 1a, 1b, 2a. **First-Year French. (First Course).** 2 hours each term.

Provides an introduction to grammar and practice in reading modern prose; considerable practice in pronunciation and opportunity for understanding the spoken language. Beattie. Monday, 7:15-9:00; Room 213.

(U) RL 2b, 3a, 3b. **First-Year French. (Second Course).** 2 hours each term.

Reviews and extends the knowledge of grammatical principles and the irregular verbs. Exercise in pronunciation and study of idioms used in conversational French. Reading of simple texts and sight work to develop in the student ability to read easy French without recourse to English. Beattie. Tuesday, 7:15-9:00; Room 2.

Upper-Division Courses

(U) RL 314, 315, 316. **Intermediate French Composition and Conversation.** 2 hours each term.

Exercises in pronunciation, comprehension, and composition. Ample opportunity for conversation. Prerequisite: two years of college French or equivalent. Conducted in French. Beattie. Wednesday, 7:15-9:00; Room 2.

German

Lower-Division Courses

(U) GL 1a, 1b, 2a. **First-Year German. (First Course.)** 2 hours each term.

Provides a thorough grammatical foundation and an elementary reading knowledge of German, as well as an understanding of the spoken language. Eaton. Tuesday, 7:15-9:00; Room 310.

Italian

Lower-Division Courses

(U) RL 31p, 32p, 33p. **First-Year Italian.** 2 hours each term.

Grammar, pronunciation, composition, and translation of modern authors. Spada. Monday, 7:15-9:00; Room 214.

(U) RL 34p, 35p, 36p. **Second-Year Italian.** 2 hours each term.

Reading of modern authors. Composition, pronunciation, grammar. Spada. Wednesday, 7:15-9:00; Room 310.

Russian

Lower-Division Courses

- (U) SL 11a, 11b, 12a. **First-Year Russian. (First Course.)** 2 hours each term.
Reading of simple prose, with adequate study of grammar for reading comprehension. Krivoshein. Monday, 7:15-9:00; Room 203.
- (U) SL 12b, 13a, 13b. **First-Year Russian. (Second Course.)** 2 hours each term.
Rapid review of elementary Russian. Emphasis on simple conversation and easy reading. Conducted as far as possible in Russian. Krivoshein. Tuesday, 7:15-9:00; Room 302.
- (U) SL 14a, 14b, 15a. **Second-Year Russian. (First Course.)** 2 hours each term.
Extensive reading of standard Russian prose; continued study of grammar. Krivoshein. Wednesday, 7:15-9:00; Room 309.

Spanish

Lower-Division Courses

- (U) RL 11a, 11b, 12a. **First-Year Spanish. (First Course.)** 2 hours each term.
Provides an introduction to grammar and practice in reading modern prose; considerable practice in pronunciation and opportunity for understanding the spoken language. Herman. Monday, 7:15-9:00; Room 104.
- (U) RL 12b, 13a, 13b. **First-Year Spanish. (Second Course.)** 2 hours each term.
Reviews and extends the knowledge of grammar, composition and conversation. Katz. Wednesday, 7:15-9:00; Room 302.

Upper-Division Courses

- (U) RL 347, 348, 349. **Intermediate Spanish Composition and Conversation.** 2 hours each term.
Fundamentals of pronunciation. Extensive oral and written practice. Conducted in Spanish. Prerequisite: two years of college Spanish. Katz. Thursday, 7:15-9:00; Room 302.

General Science

Assistant Professor: Lange.

Instructor: Payne.

- (C) Sc 101, 102, 103. **Biological Science Survey.** 3 hours each term.
Place of man in relation to other forms of life, with particular reference to heredity, nervous systems, organic evolution; importance of animal and plant forms as sources of food, shelter, clothing, and medicines, and as sources of disease. Payne. Lecture, Monday, 7:15-9:00; Room 302. Laboratory, Thursday, 7:15-9:00; Room 20, Vanport Extension Center.
- (C) Sc 201, 202, 203. **Foundations of Physical Science.** 3 hours each term.
A course in the elements of the branches of physical science, i.e., astronomy, chemistry, geology, meteorology, and physics. Study of the development of these fields from their earliest historical beginnings to their present-day position and effects on society. Particular emphasis is placed on the development of scientific attitudes. Two lectures; 1 two-hour laboratory period. Lange. Monday, 6:45-9:25; Room 2.

(S) GS 411, 412, 413. **History of Science.** (G) 2 hours each term.

The development of science from the beginnings, with emphasis on the scientific method and spirit. Prerequisite: eighteen hours of upper-division science, or equivalent. Lange, Thursday, 7:15-9:00; Room 208.

General Studies

Portland Center Adviser: Dr. James C. Caughlan.

University Committee: Dr. W. J. Dixon, Chairman.

State College Committee: Dr. E. A. Yunker, Chairman.

Graduate Courses

GSt 501. **Research in General Studies.** Terms and hours to be arranged.

GSt 503. **Graduate Thesis.** Terms and hours to be arranged.

GSt 505. **Reading and Conference.** Terms and hours to be arranged.

Geography

Instructor: Newhouse.

Lower-Division Courses

(C) Geog 201, 202, 203. **Geography.** 3 hours each term.

A study of the field of geography with emphasis on human activities, interests, and welfare. Scientific investigation of geographic environment and its influence; major geographic features of the continent; geographical distribution and development of the principal agricultural and mineral resources of the world; racial and historical influences upon territorial expansion and national integrity; political problem areas of Europe, Africa, and Asia; geographic problems involved in international harmony. Tuesday, 6:45-9:25; Room 213.

Upper-Division Courses

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

Regional geography of the continent north of the Rio Grande. Prerequisite: Geog 105, Geog 106, Geog 107 or Geog 201, Geog 202, Geog 203, or consent of instructor. Thursday, 6:45-9:25; Room 213.

(U) Geog 431. **Geography of Asia.** (G) 3 hours winter.

Physical geography of the continent; the main economic, social, and political problems viewed in relation to geography. Prerequisite: Geog 105, Geog 106, Geog 107 or Geog 201, Geog 202, Geog 203 or consent of instructor. Thursday, 6:45-9:25; Room 213.

(U) Geog 432. **Geography of Africa.** (G) 3 hours spring.

Physical geography of the continent; the main economic, social, and political problems viewed in relation to geography. Prerequisite: Geog 105, Geog 106, Geog 107 or Geog 201, Geog 202, Geog 203 or consent of instructor. Thursday, 6:45-9:45; Room 213.

Geology

Instructor: Mason.

Upper-Division Courses

- (S) G 324, 325. **Engineering Geology.** 3 hours each term, winter and spring.
Application and use of geology in engineering and industrial arts. May be taken separately. Prerequisite: upper-division standing. Two lectures and field trips. Monday, 6:45-9:25; Room 209.
- (S) G 350. **Rocks and Minerals.** 3 hours fall.
This course gives opportunity to become acquainted with rocks and minerals without having to meet the requirements of the more technical courses. Especially useful to students expecting to teach general science. Prerequisite: upper-division standing. Two lectures; 1 two-hour laboratory period. Monday, 6:45-9:25; Room 209.
- (S) G 352. **Geology of Oregon.** 3 hours spring.
Affords opportunity to obtain a general knowledge of the geology of the state without having to meet the technical requirements imposed for a professional geology major. Prerequisite: upper-division standing. Tuesday, 6:45-9:25; Room 206.

Health and Physical Education

Professor: Haar.

Assistant Professor: Hudson.

Instructors: Hicks, Jenne.

Lower-Division Course

- (U) HE 252. **First Aid.** 3 hours fall.
American Red Cross first aid; lectures, demonstrations, and practice leading to standard and advanced first-aid certificates. Hicks. Thursday, 6:45-9:25; Room 305.

Upper-Division Courses

- (U) HE 358. **Safety Education.** 3 hours spring.
Basic principles of safety education; current safety programs as they apply to the school, home, and community. Individual and group projects in the organization of materials for teaching safety in public schools. Haar. Wednesday, 6:45-9:25; Room 315.
- (U) PE 384, 385, 386. **Dance and Physical-Education Laboratories.** 2 hours each term.
Advanced instruction and practice. Fall and winter: dance technique and composition. Spring: continuation of dance. Jenne. Thursday, 7:15-9:00; Gymnasium.
- (U) PE 411, 412, 413. **Physical-Education Workshop.** (g) 3 hours each term.
A workshop for physical-education teachers in the public schools. Each teacher works out and organizes the complete program for his school in light of the objectives, standards, and purposes of the Oregon physical-education program. Open to men and women. (May be substituted for College of Education Ed 344, Ed 345, Ed 346.) Content of course is as follows:

- (U) PE 411. Rhythmics and folk dancing.
- (U) PE 412. Games of low organization.
- (U) PE 413. Individual team sports and games.
Hudson. Monday, 6:45-9:25; Gymnasium.

Graduate Course

- (U) PE 506. **Special Problems: Methods of Apparatus and Tumbling.** 3 hours winter.
Haar. Wednesday, 6:45-9:25; Gymnasium.

History

Professor: Jonasson.

Assistant Professors: Hoffmann, Spurlock.

Instructors: Jones, Learned, Smith.

Lower-Division Courses

- (C) Hst 201, 202, 203. **History of Western Civilization.** 3 hours each term.
The development of Western civilization from early beginnings to the present time; political, social, and cultural factors; present conditions and problems. The three terms constitute a sequence but may be taken separately. Spurlock. Thursday, 6:45-9:25; Room 212.
- (U) Hst 201, 202, 203. **History of the United States.** 3 hours each term.
From colonial times to the present day. Spurlock. Wednesday, 6:45-9:25; Room 212.

Upper-Division Courses

- (U) Hst 341, 342, 343. **Europe Since 1815.** 3 hours each term.
Political, social, economic, and cultural trends from the fall of Napoleon to the present. Fall: 1815 to 1890; Winter: 1890 to 1929; Spring: 1929 to the present. Learned. Monday, 6:45-9:25; Room 212.
- (U) Hst 377. **Oregon History.** 2 hours any term.
Brief survey of the building of civilization in the Oregon Country. 7:15-9:00. Fall: Smith. Thursday, Room 203. Winter: Jones. Wednesday, Room 113. Spring: Hoffmann. Thursday, Room 111.
- (C) Hst 378, 379. **American History and Government.** 3 hours each term, fall and winter.
A study of the development of the American nation, with emphasis on its political and social concepts. Attention is given to the factual and causal elements entering into the historical growth of the country, to the form and function of its government, and to the adaptations that have been made to changing social and economic conditions. Hst 378 covers the period through the Civil War; Hst 379 since the Civil War. Hoffmann. Tuesday, 6:45-9:25; Room 114.
- (U) Hst 480, 481, 482. **The United States in the Twentieth Century.** (G) 3 hours each term.
The progressive era; the impact of the Spanish-American War and the wars of 1914-18 and 1939-45 on the United States; prosperity, depression, and the New

Deal. Fall: 1898 to 1941; Winter: 1914 to 1932; Spring: 1932 to the present. Prerequisite: Hst 201, Hst 202, Hst 203 or consent of instructor. Jonasson. Wednesday, 6:45-9:25; Room 104.

Home Economics

Instructor: Jonasson.

Lower-Division Course

- (S) HAd 239. **Home Management.** 3 hours spring.
Managing money, time, and energy in relation to goals of family living. For students not in home economics degree curricula. Two recitations; 1 two-hour laboratory period. Wednesday, 6:45-9:25; Room 214.

Upper-Division Course

- (S) FL 311, 312. **Child Development.** 3 hours each term, fall and winter.
Growth and development of normal preschool children. Prerequisite: Psy 203 or Psy 208, FL 222, or consent of instructor. Three recitations; 1 one-hour observation in the nursery school. Wednesday, 6:45-9:25; Room 214.

Horticulture

Professor Emeritus: Bouquet .

Lower-Division Course

- (S) Hrt 111. **Home Horticulture.** 2 hours winter.
Lectures, discussions, and demonstrations dealing with horticultural crops about the home—vegetables, small fruits, tree fruits, and flowers. Emphasis on principles and fundamentals of growth, propagation, soil management, garden planning, soil fertility, pest control, irrigation. Special problems concerned with important crops. Greenhouse and frame management in gardening. Demonstrations during class meetings. Tuesday, 7:15-9:00; Room 111.

Journalism

Associate Professors: Price, Sabine.

Instructor: Judkins.

Lower-Division Courses

- (S) J 111, 112. **Elementary Journalism.** 3 hours each term, fall and winter.
Journalistic style of writing; workings of the press, both general and technical. Judkins. Monday, 6:45-9:25; Room 103.
- (U) J 211. **Introduction to Journalism.** 3 hours spring.
An introduction to the newspaper and other media of mass communication, including news, editorial, pictorial, business, and advertising aspects. No prerequisite. Judkins. Monday, 6:45-9:25; Room 103.

Upper-Division Courses

(U) J 430. **International Communications.** (G) 3 hours fall.

Channels of foreign news coverage, including American and foreign press associations; analysis of foreign newspapers and study of foreign press personalities; foreign correspondents; censorship. Prerequisite: senior standing or consent of instructor. Price. Thursday, 6:45-9:25; Room 111.

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

Analysis of the role of newspapers, magazines, motion pictures, radio, and television in a democratic society; the problem of improving the relationship between the public and the press in the mass-communication process. Not open to journalism majors. Sabine. Thursday, 6:45-9:25; Room 211.

Landscape Architecture

Instructor: Gerke.

Lower-Division Course

(S) LA 279. **Home-Ground Planning.** 2 hours fall.

The principles of good design in home grounds; arrangement of the site for modern living, adapted particularly to this locality. Relationship between house and garden, space uses, study of materials which are used in garden development—plants, pavings, masonry, wood. Tuesday, 7:15-9:00; Room 305.

Mathematics

Instructors: Buschman, Hoel.

Lower-Division Courses

(S) Mth 101, 102, 103. **Elementary Analysis.** 4 hours each term.

Trigonometry, graphs, algebra, elements of calculus, and analytic geometry. Buschman. Tuesday and Thursday, 7:15-9:00; Room 209.

(C) Mth 211. **Foundations of Mathematics.** 2 hours fall.

Treatment of historical aspects of mathematics, social uses and relationships, mathematical-principles and relationships, grade placement of content materials, appraisal of texts, workbook and tests, development of problem-solving ability, and proficiency in the fundamental skills of mathematical processes. Hoel. Tuesday, 7:15-9:00; Room 309.

Music

Associate Professor: Stehn.

Assistant Professor: Albertson.

(U) Mus 111, 112, 113. **Theory I.** 2 hours each term.

Thorough groundwork in the elements of musical science—melodic, harmonic, and rhythmic. Major and minor chords, keys, scales, intervals, and cadences studied in singing, writing, playing, and dictation. Stehn. Monday, 6:45-8:30; Room 108.

(U) Mus 211, 212, 213. **Theory II.** 2 hours each term.

Continuation of the subjects studied in the first course; foreign tone (auxiliary tones, suspensions, anticipations, appoggiaturas); foreign chords (the interpolated dominant seventh and diminished seventh). Stehn. Tuesday, 7:15-9:00; Room 108.

- (U) Mus 227, 228, 229. **Masterpieces in Musical Literature (Appreciation of Music).** 2 hours each term.
A nontechnical historical and analytical study of selected compositions, instrumental and vocal, by outstanding composers from Bach to the present day. Stehn. Wednesday, 7:15-9:00; Room 108.
- (C) Mus 281. **Music I. Introductory Course in Music.** 3 hours fall.
A musical background for the elementary-grade teachers; singing varied types of song literature; acquiring good vocal habits; reading music; experiencing simple problems in rhythm; listening to music, analyzing its forms; learning keys, scales, intervals, primary chords, and their application to the piano keyboard. Albertson. Thursday, 6:45-9:25; Room 108.
- (C) Mus 282. **Music II. Music Reading and Ear Training.** 3 hours winter.
Acquiring more skill in reading song material; more advanced rhythmic patterns; major and minor modes; two-, three-, and four-part music; chording; ear training; dictation. Albertson. Thursday, 6:45-9:25; Room 108.
- (C) Mus 283. **Music III. Music Education.** 3 hours fall or spring.
The close relationship between music education and other areas in education; planning a musical environment; directing the experiences of children in music; studying principles and procedures in teaching music skills. Albertson. 6:45-9:25. Fall: Friday. Spring: Thursday; Room 108.

Nursing Education

Associate Professor: Palmquist.

Assistant Professor: Gregerson.

Upper-Division Course

- (U) Nur 427. **Methods of Clinical Instruction.** (G) 3 hours winter.
Consideration will be given to planning and developing a program of clinical instruction, and to the methods of evaluating student achievement in clinical nursing practice. Gregerson. Tuesday, 6:45-9:25; Room 208.

Graduate Course

- (U) Nur 511. **Public Health Nursing Supervision.** 3 hours winter.
Philosophy and techniques of supervision; methods of evaluation; problems of the supervisor. Prerequisite: one year of experience in public health nursing. Palmquist. Monday, 6:45-9:25; Room 211.

Photography

(See PHYSICS)

Physical Education

(See HEALTH AND PHYSICAL EDUCATION)

Physics

Instructors: Culbertson, Heller.

Lower-Division Courses

(S) Ph 161. **Rudiments of Photography.** 2 hours spring.

Planned for beginners in photography. The topics covered include cameras, printing, enlarging, developing, composition, materials, and lighting. Opportunities for field trips and print clinics will be provided. Culbertson. Tuesday, 7:15-9:00; Room 212.

(S) Ph 201, 202, 203. **General Physics.** 4 hours each term.

Standard first-year college physics. Mechanics, sound, heat, light, electricity, and magnetism. Prerequisite: adequate background in mathematics. Heller. Lecture and recitation, Monday, 6:45-9:25; Room 4. Laboratory, Wednesday, 7:00-9:00; Room 4.

Physiology

Professor: Youmans.

Upper-Division Courses

(G) Phy 411p, 412p, 413p. **Human Physiology.** 2 hours each term.

A study of the function of the various tissues, organs, and systems of the human body. Fall: blood, heart circulation, and respiration. Winter: digestive system, metabolism, kidney, and endocrine system. Spring: brain and spinal cord, nerve and muscle, and special senses. Prerequisite: high-school chemistry or its equivalent. Thursday, 7:15:9:00; Room 206.

Political Science

Assistant Professor: Ostrom.

Lecturer: Flach.

Upper-Division Courses

(U) PS 320, 321. **World Politics.** 3 hours each term, fall and winter.

Basic principles of the modern state system; analysis of factors making for conflict and cooperation. Emphasis, during second term, on the foreign policies of the leading states, exclusive of the United States. Flach. Thursday, 6:45-9:25; Room 114.

(U) PS 322. **American Diplomacy.** 3 hours spring.

Contemporary foreign relations of the United States; objectives, world and domestic factors affecting American foreign policy, governmental institutions concerned with development and execution of foreign policy, major issues and problems. Flach. Thursday, 6:45-9:25; Room 114.

(U) PS 405. **Reading and Conference.** Terms and hours to be arranged.

Flach, Ostrom.

(U) PS 407. **Seminar: The Politics of Administration.** 3 hours spring.

Problems of the interrelationships of public administration and political dynamics in the formulation of public policies and the conduct of administrative

programs will be explored in state and Federal natural resources administration, public education, municipal administration and other areas of interest. Ostrom. Wednesday, 6:45-9:25; Room 211.

- (U) PS 411, 412. **Introduction to Public Administration.** (G) 3 hours each term, fall and winter.

Study of the organization and activities of government in carrying out public policy, with special reference to the Federal government and to the government of Oregon. Ostrom. Wednesday, 6:45-9:25; Room 211.

- (U) PS 419, 420. **International Organization.** (G) 3 hours each term, fall and winter.

A survey and analysis of the development of public international organization, with chief emphasis on the United Nations and its affiliated organizations; consideration of the leading problems of the United Nations; international administration. Flach. Wednesday, 6:45-9:25; Room 114.

- (U) PS 421. **International Law.** (G) 3 hours spring.

Introduction to international public law. Forces influencing its development; the nature and sources of international law; codification; the International Court of Justice. Rules of international law respecting more important subjects. Flach. Wednesday, 6:45-9:25; Room 114.

Graduate Courses

- (U) PS 505. **Reading and Conference.** Terms and hours to be arranged.

Nagy, Ostrom.

- (U) PS 507. **Seminar: The Politics of Administration.** 3 hours spring.

Problems of the interrelationships of public administration and political dynamics in the formulation of public policies and the conduct of administrative programs will be explored in state and Federal natural resources administration, public education, municipal administration and other areas of interest. Ostrom. Wednesday, 6:45-9:25; Room 211.

Psychology

Professors: Griffith, Sherburne.

Assistant Professor: Wilcox.

Instructor: Boyd.

Lower-Division Courses

- (U) Psy 201, 202. **General Psychology.** 3 hours each term.

Introductory study of behavior and conscious processes. Survey of experimental studies with reference to motivation, learning, thinking, perceiving, and individual differences. Wilcox. 6:45-9:25; Room 306.

Fall: Psy 201 (Section I). Monday.

Psy 201 (Section II). Wednesday.

Winter: Psy 201. Wednesday.

Psy 202. Monday.

Spring: Psy 201. Monday.

Psy 202. Wednesday.

(U) Psy 204. **Psychology of Adjustment.** 3 hours fall or winter.

The nature and origins of differences in personality; means of making desired changes. Prerequisite: Psy 201, Psy 202. Boyd. Tuesday, 6:45-9:25; Room 212.

Upper-Division Courses

(U) Psy 411. **Genetic Psychology.** (G) 3 hours fall.

Growth of behavior during the prenatal period, infancy, and childhood. Development of muscular activities, perception, emotional adjustment, intelligence, language, and social behavior in childhood. Not open to students who have completed Ed 460. Griffith. Thursday, 6:45-9:25; Room 104.

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

Study of the behavior changes during pre-adolescence, adolescence, maturity, and old age. Intended to follow Psy 411. Not open to students who have completed Ed 461. Griffith. Thursday, 6:45-9:25; Room 104.

(U) Psy 413. **Abnormal Psychology.** (G) 3 hours spring.

Various forms of unusual behavior, including anxiety states, hysteria, hypnotic phenomena, and psychoses. Normal motives and adjustment mechanisms as they are exaggerated in the so-called neurotic person. Griffith. Thursday, 6:45-9:25; Room 104.

(S) Psy 474, 475, 476. **Psychological Tests and Testing.** (g) 3 hours each term.

Theory and practice of test administration, scoring, and interpretation; administration, scoring, and interpretation of individual tests in fields of mental abilities, special aptitudes, interests, personality, and nonacademic achievement; administration, scoring, and interpretation of group tests in the same areas. Must be taken in sequence. Prerequisite: Psy 203 or Psy 207, Psy 208. Sherburne. Monday, 6:45-9:25; Room 114.

Graduate Course

(U) Psy 535. **Practical Clinical Experience.** 3 hours any term.

Practical clinical experience with counseling agencies appropriate to individual interests, experience and vocational plans. Prerequisite: Psy 435 or Psy 437, or consent of instructor. Boyd. Hours and place to be arranged.

Public Health

Professor: Weinzirl.

Graduate Course

(U) PH 511. **Principles of Public Health.** 3 hours winter.

A general survey of personal and community hygiene. Topics considered are: immunization, medicine, surgery, food, carriers, cleanliness, isolation, disinfection, temperature, humidity, ventilation, lighting, clothing, exercise, public-health organization. Thursday, 6:45-9:25; Room 210.

Public Speaking

(See SPEECH)

Science

(See BACTERIOLOGY, CHEMISTRY, PHYSICS, PHYSIOLOGY, ZOOLOGY)

Sociology

Associate Professor: Parks.

Assistant Professor: Lewis.

Instructors: Drum, Iverson.

Lower-Division Courses

(U) Soc 204, 205, 206. **General Sociology.** 3 hours each term.

The basic findings of sociology concerning the individual, culture, group life, social institutions, and factors of social change. Prerequisite: sophomore standing or consent of instructor. Parks. Tuesday, 6:45-9:25; Room 306.

Upper-Division Courses

(U) Soc 334, 335. **Social Psychology.** 3 hours each term, winter and spring.

Analysis of the psychological and sociological processes involved in personality formation and in various forms of group behavior. Particular attention to origin, function, ideologies, membership, and leadership. Prerequisite: Soc 204, Soc 205 or Psy 201, Psy 202. Parks. Tuesday, 3:45-6:25; Room C, Central Library.

(U) Soc 338. **Marriage and the Family.** 3 hours any term.

The role of the family in the development of personality. Mate selection and courtship; marital discord and adjustment. Prerequisite: general sociology or general psychology. Drum. Tuesday, 6:45-9:25; Room 104.

(U) Soc 346. **Social Case Methods Applied to Nursing.** 3 hours winter.

History and current concepts of case-work theory; social problems related to illness; principles of interviewing; relationship between nurses and social workers. Iverson. Monday and Friday, 10:00-12:00 m.; University of Oregon Medical School.

(U) Soc 347. **Social Welfare Resources and Organization.** 2 hours spring.

The various types of social welfare resources which the nurse can use to help patients with social problems; methods of organizing these resources for the meeting of human needs. Lewis. Tuesday, 1:00-3:00; University of Oregon Medical School.

(U) Soc 407. **Seminar.** Hours to be arranged.

Lewis.

(U) Soc 415. **Criminology.** (G) 3 hours fall.

The nature of crime, with reference to causative factors. Prerequisite: Soc 204, Soc 205, or Psy 201, Psy 202, or consent of instructor. Drum. Wednesday, 6:45-9:25; Room 213.

(U) Soc 416. **Penology.** (G) 3 hours winter.

Theories underlying punishment; the role of the police and the courts; history of punishment and recent penal developments. Prerequisite: Soc 204, Soc 205, or Psy 201, Psy 202, or consent of instructor. Drum. Wednesday, 6:45-9:25; Room 213.

(U) Soc 417. **Juvenile Delinquency.** (G) 3 hours spring.

Nature and extent of delinquent behavior; contributing factors; current preventive and treatment programs. Prerequisite: general sociology or general psychology. Drum. Wednesday, 6:45-9:25; Room 213.

- (U) Soc 437. **Sociology of Race Relations.** (G) 3 hours fall.

The development of "race consciousness" and emergent problems of race-culture contacts. Prerequisite: introductory course in sociology, anthropology, or psychology. Parks. Tuesday, 3:45-6:25; Room C, Central Library.

Graduate Courses in Social Work

- (U) Soc 507. **Seminar.** Hours to be arranged.

Lewis.

- (U) Soc 517. **History of Social Welfare.** 3 hours fall.

History, philosophy and current theories of social welfare work; development of public and voluntary programs of social services. Lewis. Monday, 6:45-9:25; Room 309.

- (U) Soc 518. **Public Welfare.** 3 hours winter.

Financial aid under the poor laws, emergency relief, and modern public assistance and social insurance programs; characteristics of state and federal assistance and social insurance laws; grants-in-aid; public institutional services; adult probation and parole; vocational rehabilitation services. Lewis. Monday, 6:45-9:25; Room 309.

- (U) Soc 519. **The Child and the State.** 3 hours spring.

The development of the rights of the child in relation to those of parents; the responsibilities of the state in safeguarding those rights; social services to children by public and voluntary agencies. Lewis. Monday, 6:45-9:25; Room 309.

- (U) Soc 525, 526. **Social Case Work.** 3 hours each term, fall and winter.

Generic concepts of case work practice in different agency settings; diagnosis and analysis of cases, treatment problems. Lewis. Tuesday, 4:00-6:00 and as arranged; Room E, Central Library.

- (U) Soc 550. **Psychiatric Information for Social Workers.** 3 hours fall.

The growth of the individual with emphasis on emotional factors; the integration of psychiatric theory with case work; social factors that influence development; special lectures and case studies. Lewis and psychiatric lecturers. Wednesday, 6:45-9:25; Room 208.

- (U) Soc 551. **Psychiatric Information for Social Workers.** 3 hours winter.

Emotional problems commonly met in social agencies; the roles of the psychiatrist and caseworker in the study and treatment of the patient; special lectures and case studies. Prerequisite: Soc 550 or consent of instructor. Lewis and psychiatric lecturers. Wednesday, 6:45-9:25; Room 208.

- (U) Soc 552. **Medical Information for Social Workers.** 3 hours spring.

Social factors in common disabling illnesses; the integration of the work of the physician and the case worker in dealing with health problems; the role of the physician in the treatment of the social and physical problems of the patient. Special lectures and case studies. Lewis. Lecturer: Weinzirl. Wednesday, 6:45-9:25; Room 208.

Speech

Associate Professor: Collier.

Assistant Professor: Clifford.

Instructors: Churchill, Dawson.

Lower-Division Courses

- (U) Sp 114. **Voice and Diction.** 3 hours fall or spring.
Study and practice of the principles of tone production. Phonetic analysis of English sounds as a basis for correct and effortless diction. Intended for students who have slight deviations in voice and diction. Churchill. Monday, 6:45-9:25; Room 112.
- (U) Sp 221. **Public Discussion.** 2 hours spring.
Preparation of speeches for delivery before public audiences Collier. Friday, 7:15-9:00; Room 201.
- (G) Sp 225, 226. **Public Speaking for Business and Professional Men and Women.** 2 hours each term, fall and winter.
A practical course in actual speaking. Poise on the floor; improvement of diction and voice; organization of speech material and presentation in direct conversational style. Persuasion in speaking; sales talks. Study of motives that impel men to action and ways of reaching these motives. Collier. Friday, 7:15-9:00; Room 201.

Upper-Division Courses

- (U) Sp 351, 352, 353. **Technique of Acting.** 2 hours each term.
Principles of acting technique. Problems in the analysis and presentation of character. Clifford. Thursday, 7:15-9:00; Room 205.
- (U) Sp 411. **Speech for the Classroom Teacher.** 3 hours fall.
Instruction in speech and speech forms designed for classroom use. Required for English majors who intend to teach but open to all prospective teachers. Dawson. Thursday, 6:45-9:25; Room 210.
- (U) Sp 481. **Speech Defects and Disorders.** 3 hours spring.
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. Dawson. Thursday, 6:45-9:25; Room 210.

Zoology

Assistant Professor: Macnab.

Lower-Division Courses

- (S) Z 201, 202, 203. **General Zoology.** 3 hours each term.
An introductory course emphasizing the fundamental principles of animal biology. The biology of the cell and single-celled animals; a comparative study of lower and higher types of animals, with emphasis on their economic and pathogenic effects. Lecture, Monday, 7:15-9:00; Room 314. Laboratory, Wednesday, 6:45-9:25; Room 308. Laboratory fee, \$3.00 each term.

Upper-Division Courses

(S) Z 324a, 324b, 325a. **Comparative Vertebrate Anatomy.** 3 hours each term, fall and winter. 2 hours spring.

Gross dissection and comparison of organ systems in representative vertebrates. Prerequisite: Z 200 or Z 203. Fall and Winter: One hour lecture, two hours laboratory, Tuesday and Thursday, 6:45-9:25; Room 20, Vanport Extension Center. Spring: One hour lecture, one hour laboratory, Tuesday and Thursday, 7:15-9:00; Room 20, Vanport Extension Center.

Schedule of Classes

Lincoln High School

(G) (g) indicate course may be taken for graduate credit.

(F, W, S) indicate fall, winter, spring terms.

Monday

<i>Course, Term, Instructor</i>	<i>Time</i>	<i>Room</i>
Art		
A 211. Art Structure I (F) Schukart.....	6:45-9:25	315
A 212. Art Structure II (W) Schukart.....	6:45-9:25	315
A 311. Art Structure III (S) Schukart.....	6:45-9:25	315
Business Administration		
BA 111, 112, 113. Constructive Accounting (F, W, S) Skelton	6:45-9:25	113
BA 323. Office Organization and Management (S) Wallsinger	7:15-9:00	109
BA 420a, 420b. C.P.A. Problems (F,W) Wilson.....	7:15-9:00	208
BA 483, 484, 485. Accounting Theory and Practice (F, W, S) Janney.....	6:45-9:25	106
Education		
Ed 351. Health Education (F) Logan.....	7:15-9:00	109
Ed 407. Seminar: Foundations of Education (W) Stevens...	6:45-9:25	111
Ed 440. History of Education (F) Stevens.....	6:45-9:25	111
Ed 460. Applied Mental Hygiene (F) Bernard.....	6:45-9:25	204
Ed 466. Diagnostic and Remedial Instruction in the Skills (Arithmetic) (W) Hartley.....	6:45-9:25	206
Ed 507. Seminar: Foundations of Education (W) Stevens...	6:45-9:25	111
Ed 507. Seminar: Improvement of Instruction in Reading (F) Schmidt.....	6:45-9:25	210
Ed 507. Seminar: Recent Trends in Social Studies (W) Schmidt.....	6:45-9:25	210
Ed 507. Seminar: Recent Trends in Teaching English (S) Schmidt.....	6:45-9:25	210
Ed 512. Research Procedures in Education (S) Bernard.....	6:45-9:25	204
Ed 554. Supervision of the Elementary School (S) Patton.....	6:45-9:25	211
Ed 561. Advanced Educational Psychology (W) Bernard.....	6:45-9:25	204
Ed 575. School Finance (S) Hummel.....	6:45-9:25	206
Ed 586. Philosophy of Education (S) Stevens.....	6:45-9:25	111
Engineering		
GE 121, 122. Engineering Drawing (F, W) Smith.....	6:45-9:25	313
GE 123. Descriptive Geometry (S) Smith.....	6:45-9:25	313
IE 465. Tool Engineering (F) Sheely.....	6:45-9:25	305
IE 469. Die Design (W) Sheely.....	6:45-9:25	305
English		
Eng 211. Vocabulary Building (W) Collier.....	6:45-9:25	201
Eng 320, 321, 322. English Novel (F, W, S) Dahlstrom.....	6:45-9:25	202
Wr 04, 05, 06. Writers' Laboratory (F, W, S) Powers.....	7:15-9:00	110
Wr 214. Business English (F, S) Collier.....	6:45-9:25	201

Foreign Languages

RL 1a, 1b, 2a. First-Year French (First Course) (F, W, S) Beattie.....	7:15-9:00	213
RL 11a, 11b, 12a. First-Year Spanish (First Course) (F, W, S) Herman.....	7:15-9:00	104
RL 31p, 32p, 33p. First-Year Italian (F, W, S) Spada.....	7:15-9:00	214
SL 11a, 11b, 12a. First-Year Russian (First Course) (F, W, S) Krivoshein.....	7:15-9:00	203

General Science

Sc 101, 102, 103. Biological Science Survey (F, W, S) Payne.....	7:15-9:00	302
Sc 201, 202, 203. Foundations of Physical Science (F, W, S) Lange.....	6:45-9:25	2

Geology

G 324, 325. Engineering Geology (W, S) Mason.....	6:45-9:25	209
G 350. Rocks and Minerals (F) Mason.....	6:45-9:25	209

Health and Physical Education

PE 411, 412, 413. Physical-Education Workshop (g) (F, W, S) Hudson.....	6:45-9:25	Gym
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History

Hst 341, 342, 343. Europe Since 1815 (F, W, S) Learned.....	6:45-9:25	212
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Journalism

J 111, 112. Elementary Journalism (F, W) Judkins.....	6:45-9:25	103
J 211. Introduction to Journalism (S) Judkins.....	6:45-9:25	103

Music

Mus 111, 112, 113. Theory I (F, W, S) Stehn.....	7:15-9:00	108
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Nursing Education

Nur 511. Public Health Nursing Supervision (W) Palmquist.....	6:45-9:25	211
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Physics

Ph 201, 202, 203. General Physics Lecture (F, W, S) Heller.....	6:45-9:25	4
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Psychology

Psy 201. General Psychology (F) Wilcox (Section I).....	6:45-9:25	306
Psy 201. General Psychology (S) Wilcox.....	6:45-9:25	306
Psy 202. General Psychology (W) Wilcox.....	6:45-9:25	306
Psy 474, 475, 476. Psychological Tests and Testing (g) (F, W, S) Sherburne.....	6:45-9:25	114

Sociology

Soc 517. History of Social Welfare (F) Lewis.....	6:45-9:25	309
Soc 518. Public Welfare (W) Lewis.....	6:45-9:25	309
Soc 519. The Child and the State (S) Lewis.....	6:45-9:25	309

Speech

Sp 114. Voice and Diction (F, S) Churchill.....	6:45-9:25	112
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Zoology

Z 201, 202, 203. General Zoology Lecture (F, W, S) Macnab.....	7:15-9:00	314
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Tuesday

Bacteriology

Bac 348, 349, 350. Microbiology and Communicable Diseases (F, W, S) Sears.....	7:15-9:00	214
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Business Administration

BA 111, 112, 113. Constructive Accounting (F, W, S) Skelton	6:45-9:25	113
BA 411. Business Public Relations (W) Chappel.....	6:45-9:25	203
BA 416, 417, 418. Business Law (F, W, S) Collier (Section I)	6:45-9:25	201
BA 456. Property Insurance (S).....	6:45-9:25	203
BA 463, 464, 465. Investments (F, W, S) Bell.....	6:45-9:25	210
BA 467. Public-Utility Management(G) (F) Conkling.....	6:45-9:25	203
BA 489, 490, 491. Advanced Accounting Theory and Practice (F, W, S) Janney.....	6:45-9:25	106
BA 497. Human Relations in Business and Industry (g) (S) Campbell.....	6:45-9:25	111

Economics

Ec 417. Contemporary Economic Problems (G) (S) Wattles..	6:45-9:25	103
Ec 450, 451. Comparative Economic Systems (G) (F, W) Robbins, Wattles.....	6:45-9:25	103

Education

Ed 312. Educational Psychology (F) Bernard.....	6:45-9:25	204
Ed 316. Oregon School Law and System of Education (F) Campbell.....	7:15-9:00	111
Ed 424. Measurement in Education (G) (W) Rummel.....	6:45-9:25	205
Ed 431. Selection and Use of Teaching Aids (G) (S) Blanchard.....	6:45-9:25	4
Ed 461. Adolescence: Growth and Development of the Individual (G) (W) Bernard.....	6:45-9:25	204
Ed 462. Psychology of Exceptional Children (G) (S) Bernard	6:45-9:25	204
Ed 485. Principles and Practices of Guidance Services (G) (F) Zeran.....	6:45-9:25	109
Ed 486. Occupational and Educational Information (G) (S) O'Dea.....	6:45-9:25	109
Ed 487. Counseling Techniques (G) (W) O'Dea.....	6:45-9:25	109
Ed 492. Recent Trends in Language Arts (G) (S) Phelps.....	6:45-9:25	205
Ed 552. Elementary-School Problems (F) Sandin.....	6:45-9:25	206
Ed 553. Curriculum of Elementary Schools (W) Sandin.....	6:45-9:25	206
Ed 573. Basic Course in School Administration (S) Campbell	6:45-9:25	211
Ed 596. The American College and University (F) Duryea.....	6:45-9:25	211

Engineering

EE 405, 505. Reading and Conference (Industrial Electronics) (F) Starr.....	6:45-9:25	315
EE 405, 505. Reading and Conference (Synchronous Machines) (W) Starr.....	6:45-9:25	315
EE 405, 505. Reading and Conference (Electric Transients) (S) Starr.....	6:45-9:25	315
EE 405, 505. Reading and Conference (Power System Operation and Coordination) (S) Starr.....	7:15-9:00	315

English

Eng 481, 482, 483. Major American Writers: The Romantic Idealists (G) (F, W, S) Franchere.....	6:45-9:25	112
Wr 111, 112, 113. English Composition (F, W, S) Oliver.....	6:45-9:25	202
Wr 354, 355, 356. Advanced Creative Writing (F, W, S) Powers	7:15-9:00	110

Foreign Languages

RL 2b, 3a, 3b. First-Year French (Second Course) (F, W, S) Beattie	7:15-9:00	2
GL 1a, 1b, 2a. First-Year German (First Course) (F, W, S) Eaton.....	7:15-9:00	310
SL 12b, 13a, 13b. First-Year Russian (Second Course) (F, W, S) Krivoshein.....	7:15-9:00	302

Geography

Geog 201, 202, 203. Geography (F, W, S) Newhouse.....	6:45-9:25	213
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Geology

G 352. Geology of Oregon (S) Mason.....	6:45-9:25	206
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History

Hst 378, 379. American History and Government (F,W) Hoffmann	6:45-9:25	114
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Horticulture

Hrt 111. Home Horticulture (W) Bouquet.....	7:15-9:00	111
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Landscape Architecture

LA 279. Home-Ground Planning (F) Gerke.....	7:15-9:00	305
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Mathematics

Mth 101, 102, 103. Elementary Analysis (F, W, S) Buschman	7:15-9:00	209
Mth 211. Foundations of Mathematics (F) Hoel.....	7:15-9:00	309

Music

Mus 211, 212, 213. Theory II (F, W, S) Stehn.....	7:15-9:00	108
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Nursing Education

Nur 427. Methods of Clinical Instruction (G) (W) Gregerson	6:45-9:25	208
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Physics

Ph 161. Rudiments of Photography (S) Culbertson.....	7:15-9:00	212
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Psychology

Psy 204. Psychology of Adjustment (F, W) Boyd	6:45-9:25	212
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Sociology

Soc 204, 205, 206. General Sociology (F, W, S) Parks.....	6:45-9:25	306
Soc 334, 335. Social Psychology (W, S) Parks.....	3:45-6:25	C
Soc 338. Marriage and the Family (any term) Drum.....	6:45-9:25	104
Soc 437. Sociology of Race Relations (G) (F) Parks.....	3:45-6:25	C
Soc 525, 526. Social Case Work (F, W) Lewis.....	4:00-6:00	Cent. Lib. E
		Cent. Lib.

SCHEDULE OF CLASSES

59

Zoology

Z 324a, 324b. Comparative Vertebrate Anatomy (F, W) Macnab.....	6:45-9:25	Vanport
Z 325a. Comparative Vertebrate Anatomy (S) Macnab.....	7:15-9:00	Vanport

Wednesday

Anthropology

Anth 423, 424, 425. Peoples of the Pacific (F, W, S) French.....	6:45-9:25	204
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Business Administration

BA 211. Elements of Organization and Production (F) Ziebarth.....	6:45-9:25	103
BA 416, 417, 418. Business Law (F, W, S) Collier (Section II).....	6:45-9:25	201
BA 448. Air Transportation (G) (W) Ziebarth.....	6:45-9:25	103
BA 471, 472, 473. Management of Ocean Shipping (G) (F, W, S) Lomax.....	6:45-9:25	206

Chemistry

Ch 104, 105, 106. General Chemistry Lecture (F, W, S) Todd.....	6:30-8:30	Med.Sch.
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Economics

Ec 201, 202, 203. Principles of Economics (F, W,S) Elkinton.....	6:45-9:25	209
Ec 418a, 418b. Public Finance (g) (F,W) Nelson.....	7:15-9:00	314

Education

Ed 316. Oregon School Law and System of Education (W) Condit.....	7:15-9:00	111
Ed 362. Story Telling (F) Morris.....	7:15-9:00	111
Ed 435. Audio-Visual Aids (G) (F) DeBernardis.....	6:45-9:25	210
Ed 460. Applied Mental Hygiene (S) Boyd.....	6:45-9:25	111
Ed 490. Social Education (G) (W) Stevens.....	6:45-9:25	109
Ed 522. Problems in American Secondary Education (W) Jacobson.....	6:45-9:25	203
Ed 523. School Activity Program (S) Hearn.....	6:45-9:25	203
Ed 543. History of American Education (S) Stevens.....	6:45-9:25	109
Ed 572. Basic Course in School Organization (F) Patton.....	6:45-9:25	203
Ed 574. Basic Course in School Supervision (W) Hummel.....	6:45-9:25	210
Ed 583. Curriculum Materials (S) DeBernardis.....	6:45-9:25	210
Ed 587. Adult Education (F) Stevens.....	6:45-9:25	109

Engineering

CE 322. Elementary Hydraulics (F) Clayton.....	6:45-9:25	113
CE 405. Reading and Conference (Indeterminate Structures) (F, W) Holcomb.....	7:15-9:00	106
GE 121,122. Engineering Drawing (F, W) Smith.....	6:45-9:25	313
GE 123. Descriptive Geometry (S) Smith.....	6:45-9:25	313
IE 465. Tool Engineering (F) Sheely.....	6:45-9:25	305
IE 469. Die Design (W) Sheely.....	6:45-9:25	305

English

Eng 201, 202, 203. Shakespeare (F, W, S) Franchere.....	6:45-9:25	112
Eng 261, 262, 263. Survey of American Literature (F, W, S) Oliver.....	6:45-9:25	202
Eng 411, 412, 413. English Drama (G) (F, W, S) Dahlstrom.....	6:45-9:25	205
Wr 324, 325, 326. Short-Story Writing (F, W, S) Powers.....	7:15-9:00	110

Foreign Languages

RL 314, 315, 316. Intermediate French Composition and Conversation (F, W, S) Beattie.....	7:15-9:00	2
SL 14a, 14b, 15a. Second-Year Russian (First Course) (F, W, S) Krivoshein.....	7:15-9:00	309
RL 12b, 13a, 13b. First-Year Spanish (Second Course) (F, W, S) Katz.....	7:15-9:00	302
RL 34p, 35p, 36p. Second-Year Italian (F, W, S) Spada.....	7:15-9:00	310

Health and Physical Education

HE 358. Safety Education (S) Haar.....	6:45-9:25	315
PE 506. Special Problems: Methods of Apparatus and Tumbling (W) Haar.....	6:45-9:25	Gym

History

Hst 201, 202, 203. History of the United States (F, W, S) Spurlock.....	6:45-9:25	212
Hst 480, 481, 482. The United States in the Twentieth Century (G) (F, W, S) Jonasson.....	6:45-9:25	104
Hst 377. Oregon History (W) Jones.....	7:15-9:00	113

Home Economics

FL 311, 312. Child Development (F, W) Jonasson.....	6:45-9:25	214
HAd 239. Home Management (S) Jonasson.....	6:45-9:25	214

Music

Mus 227, 228, 229. Masterpieces in Musical Literature (Music Appreciation) (F, W, S) Stehn.....	7:15-9:00	108
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Physics

Ph 201, 202, 203. General Physics Laboratory (F, W, S) Heller.....	7:00-9:00	4
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Political Science

PS 407. Seminar: The Politics of Administration (S) Ostrom.....	6:45-9:25	211
PS 411, 412. Introduction to Public Administration (G) (F, W) Ostrom.....	6:45-9:25	211
PS 419, 420. International Organization (G) (F, W) Flach.....	6:45-9:25	114
PS 421. International Law (G) (S) Flach.....	6:45-9:25	114
PS 507. Seminar: The Politics of Administration (S) Ostrom.....	6:45-9:25	211

Psychology

Psy 201. General Psychology (F) Wilcox (Section II).....	6:45-9:25	306
Psy 201. General Psychology (W) Wilcox.....	6:45-9:25	306
Psy 202. General Psychology (S) Wilcox.....	6:45-9:25	306

Sociology

Soc 415. Criminology (G) (F) Drum.....	6:45-9:25	213
Soc 416. Penology (G) (W) Drum.....	6:45-9:25	213
Soc 417. Juvenile Delinquency (G) (S) Drum.....	6:45-9:25	213
Soc 550. Psychiatric Information for Social Workers (F) Lewis.....	6:45-9:25	208
Soc 551. Psychiatric Information for Social Workers (W) Lewis.....	6:45-9:25	208
Soc 552. Medical Information for Social Workers (S) Lewis.....	6:45-9:25	208

SCHEDULE OF CLASSES

61

Zoology

Z 201, 202, 203. General Zoology Laboratory (F, W, S)		
Macnab	6:45-9:25	308

Thursday

Art

AA 414p, 415p, 416p. Art Education (F, W, S) Halvorsen.....	6:45-9:25	315
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Bacteriology

Bac 352a, 352b, 352c. Medical Bacteriology and Parasitology Laboratory (F, W, S) Veazie.....	7:15-9:00	Med.Sch.
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Business Administration

BA 113. Constructive Accounting (F) Parker.....	6:45-9:25	106
BA 111. Constructive Accounting (W) Parker.....	6:45-9:25	106
BA 112. Constructive Accounting (S) Parker.....	6:45-9:25	106
BA 222. Elements of Finance (S) Ballaine.....	6:45-9:25	103
BA 223. Elements of Marketing (W) Ballaine.....	6:45-9:25	103
BA 437. Credits and Collections (G) (F) Ballaine.....	6:45-9:25	103
BA 479, 480. Income-Tax Procedure (F, W) Pattullo.....	6:45-9:25	113

Chemistry

Ch 104, 105, 106. General Chemistry Laboratory (F, W, S) Todd.....	6:30-10:30	Med.Sch.
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Education

Ed 311. Secondary Education in American Life (F) Bortolazzo	6:45-9:25	109
Ed 312. Educational Psychology (W) Bortolazzo.....	6:45-9:25	109
Ed 313. Principles of Teaching (S) Bortolazzo.....	6:45-9:25	109
Ed 316. Oregon School Law and System of Education (S) Condit	7:15-9:00	306
Ed 408 (a). Methods and Materials (Art) (S) Schukart.....	6:45-9:25	204
Ed 450. Radio Education (Television) (G) (W) Morris.....	6:45-9:25	204
Ed 465. Diagnostic and Remedial Techniques (G) (S) Phelps	6:45-9:25	214
SEd 481. Alcohol Studies in the School Curriculum (G) (W) Ferrier.....	6:45-9:25	4
Ed 485. Principles and Practices of Guidance Services (F) Erickson.....	6:45-9:25	110
Ed 507. Seminar: Special Education (F) Hogg.....	6:45-9:25	204
Ed 582. Curriculum Survey (W) Caughlan.....	6:45-9:25	110

English

Eng 101, 102, 103. Survey of English Literature (F, W, S) Franchere.....	6:45-9:25	112
Eng 316. Satire (W) Oliver.....	6:45-9:25	202
Eng 329. Literature of the West (S) Oliver.....	6:45-9:25	202
Wr 111, 112, 113. English Composition (F, W, S) Collier.....	6:45-9:25	201

Foreign Languages

RL 347, 348, 349. Intermediate Spanish Composition and Conversation (F, W, S) Katz.....	7:15-9:00	302
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General Science

Sc 201, 202, 203. Foundations of Physical Science (F, W, S) Payne.....	7:15-9:00	Vanport
GS 411, 412, 413. History of Science (G) (F, W, S) Lange.....	7:15-9:00	208

Geography

Geog 429. Geography of North America (G) (F) Newhouse.....	6:45-9:25	213
Geog 431. Geography of Asia (G) (W) Newhouse.....	6:45-9:25	213
Geog 432. Geography of Africa (G) (S) Newhouse.....	6:45-9:25	213

Health and Physical Education

HE 252. First Aid (F) Hicks.....	6:45-9:25	305
PE 384, 385, 386. Dance and Physical-Education Laboratories (F, W, S) Jenne.....	7:15-9:00	Gym

History

Hst 201, 202, 203. History of Western Civilization (F, W, S) Spurlock.....	6:45-9:25	212
Hst 377. Oregon History (F) Smith.....	7:15-9:00	203
Hst 377. Oregon History (S) Hoffmann.....	7:15-9:00	111

Journalism

J 430. International Communications (G) (F) Price.....	6:45-9:25	111
J 488. The Public and the Press (g) (S) Sabine.....	6:45-9:25	211

Mathematics

Mth 101, 102, 103. Elementary Analysis (F, W, S) Buschman	7:15-9:00	209
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Music

Mus 281. Music I. Introductory Course in Music (F) Albertson	6:45-9:25	108
Mus 282. Music II. Music Reading and Ear Training (W) Albertson	6:45-9:25	108
Mus 283. Music III. Music Education (S) Albertson.....	6:45-9:25	108

Physiology

Phy 411p, 412p, 413p. Human Physiology (F, W, S) Youmans	7:15-9:00	206
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Political Science

PS 320, 321. World Politics (F, W) Flach.....	6:45-9:25	114
PS 322. American Diplomacy (S) Flach	6:45-9:25	114

Psychology

Psy 411. Genetic Psychology (G) (F) Griffith.....	6:45-9:25	104
Psy 412. Adolescence, Maturity and Senescence (G) (W) Griffith.....	6:45-9:25	104
Psy 413. Abnormal Psychology (G) (S) Griffith.....	6:45-9:25	104

Public Health

PH 511. Principles of Public Health (W) Weinzirl.....	6:45-9:25	210
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Speech

Sp 351, 352, 353. Technique of Acting (F, W, S) Clifford.....	7:15-9:00	205
Sp 411. Speech for the Classroom Teacher (F) Dawson.....	6:45-9:25	210
Sp 481. Speech Defects and Disorders (S) Dawson.....	6:45-9:25	210

SCHEDULE OF CLASSES

63

Zoology

Z 324a, 324b. Comparative Vertebrate Anatomy (F, W) Macnab.....	6:45-9:25	Vanport
Z 325a. Comparative Vertebrate Anatomy (S) Macnab	7:15-9:00	Vanport

Friday

Business Administration

BA 339. Principles of Advertising (S) Deutschmann.....	6:45-9:25	109
BA 412. Personnel Management (G) (F) Ford.....	6:45-9:25	114
BA 425. Real-Estate Fundamentals (G) (F) Callis.....	6:45-9:25	111
BA 435. Sales Management (G) (F) Richins.....	6:45-9:25	113
BA 436. Retail Merchandising (G) (W) Richins.....	6:45-9:25	113
BA 442. Principles of Salesmanship (G) (S) Richins.....	6:45-9:25	113

Education

Ed 312. Educational Psychology (S) Dunn.....	6:45-9:25	114
Ed 354. Introduction to Education (S) Stevens.....	6:45-9:25	111
Ed 358. Primary Education (W) Phelps.....	6:45-9:25	114
Ed 359. Intermediate and Upper-Grade Education (F) Noxon	6:45-9:25	104
Ed 380. Elementary-School Library (W) Bond.....	7:15-9:00	106
Ed 408 (ss). Methods and Materials (Social Science) (S)	6:45-9:25	104
Ed 418. Educational Tests and Measurements (F, W) Stevens	6:45-9:25	112
Ed 512. Research Procedures in Education (F) Reichart.....	6:45-9:25	104
SEd 598. Science Curriculum in Secondary Schools (S) Lange	6:45-9:25	103

English

Eng 388. Children's Literature (F) Henkle.....	6:45-9:25	109
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Music

Music 283. Music III. Music Education (F) Albertson.....	6:45-9:25	108
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Speech

Sp 221. Public Discussion (S) Collier.....	7:15-9:00	201
Sp 225, 226. Public Speaking for Business and Professional Men and Women (F, W) Collier.....	7:15-9:00	201

The Department of State-Wide Services

In 1949 the General Extension Division offices located on the Eugene campus were combined to form the Department of State-Wide Services. This merger involved State-Wide Classes and the Office of Correspondence Study. State-Wide serves the entire state outside Portland with classes from all the institutions of higher learning which recognize credit earned through extension classes; a major portion of the hours necessary for the bachelor's degree may be taken in this manner.

In addition to evening classes, mentioned above, State-Wide Services conducts workshops and conferences for teachers and other professional groups throughout the state. These workshops are popular with teachers as they may be used as in-service training and can be followed by classes carrying credit.

School districts in the state may contract the Department to operate lower-division courses in cities on a Community College basis. During the past two years Community Colleges were established in three centers. Several other communities are considering this plan. The motto "The State is the Campus" clearly illustrates the scope of service available to all citizens of Oregon.

Correspondence study offers over 300 home-study courses in the following general fields: anthropology, architecture, art, aviation, biology, business administration, economics, education, engineering, English, literature, geography, geology, history, home economics, journalism, languages (both modern and classical), library methods, mathematics, physics, political science, psychology, secretarial science, sociology, and zoology. Also offered are high-school courses in almost every subject.

Correspondence students are found all over the world.

Instruction through correspondence study is thorough, pleasant, and efficient, and this branch of the newly created Department of State-Wide Services is one of the largest and most active in the United States.

For further information or catalogs, write Department of State-Wide Services, General Extension Division, 1225 Kincaid Street, Eugene, Oregon.

Enrollment in General Extension Division

July 1, 1950—June 30, 1951

Extension Classes	Undergraduates			Graduates			Auditors			Non-Credit			Total		
	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total
PORTLAND CENTER	1,376	2,095	3,471	417	326	743	283	466	749	18	50	68	2,094	2,937	5,031
PORTLAND SUMMER SESSION	402	820	1,222	211	174	385	5	22	27	—	—	—	618	1,016	1,634
VANPORT EXTENSION CENTER	1,365	282	1,647	—	—	—	—	—	—	—	—	—	1,365	282	1,647
STATE-WIDE CLASSES															
Albany	19	94	113	16	8	24	3	2	5	—	—	—	38	104	142
Ashland	8	4	12	21	18	39	—	—	—	—	—	—	29	22	51
Astoria	12	71	83	13	21	34	—	2	2	—	9	9	25	108	128
Baker	2	29	31	5	10	15	1	—	1	—	—	—	8	39	47
Baker C. C.	17	59	76	5	1	6	—	1	1	—	—	—	22	61	83
Bandon	1	25	26	9	5	14	—	—	—	—	—	—	10	30	40
Beaverton	5	60	65	—	—	—	—	—	—	—	—	—	5	60	65
Bend	7	27	34	11	1	12	—	2	2	—	—	—	18	30	48
Bend C. C.	52	53	105	—	—	—	1	8	9	—	—	—	53	61	114
Brookings	1	14	15	5	5	8	—	—	—	—	—	—	6	17	23
Burns	4	15	19	7	5	10	10	10	20	—	—	—	21	28	49
Canby	4	19	23	—	—	—	—	—	—	—	—	—	4	19	23
Clatskanie	—	15	15	—	—	—	—	—	—	—	—	—	—	15	15
Colton	1	12	13	2	1	3	3	6	9	—	—	—	6	19	25
Condon	5	16	21	—	—	—	—	—	—	—	—	—	5	16	21
Coos Bay	11	96	107	14	11	25	—	3	3	—	7	7	25	117	142
Coquille	—	27	27	19	5	24	—	2	2	—	—	—	19	34	53
Corvallis	25	94	119	13	25	38	6	10	16	—	—	—	44	129	173
Cottage Grove	4	28	32	—	—	—	—	—	—	—	—	—	4	28	32
Dallas	2	27	29	14	12	26	—	1	1	—	—	—	16	40	56
Drain	—	6	6	1	4	5	—	—	—	—	—	—	1	10	11
Enterprise	—	23	23	—	—	—	—	—	—	—	—	—	—	23	23
Eugene	170	271	441	39	93	132	31	41	72	75	173	248	315	578	893
Florence	2	20	22	—	—	—	—	5	5	—	—	—	2	25	27
Forest Grove	8	61	69	—	—	—	—	1	1	—	—	—	8	62	70
Grants Pass	12	57	69	—	—	—	2	6	8	—	—	—	14	63	77
Hermiston	2	13	15	—	—	—	—	—	—	—	—	—	2	13	15
Hillsboro	5	52	57	1	11	12	—	1	1	—	—	—	6	64	70
Hood River	7	59	66	23	10	33	1	10	11	—	—	—	31	79	110
Irrigon	4	18	22	—	—	—	—	—	—	—	—	—	4	18	22
Junction City	2	8	10	1	2	3	—	—	—	—	—	—	3	10	13
Klamath Falls	40	180	220	24	26	50	12	37	49	15	6	21	91	249	340
La Grande	—	3	3	30	16	46	—	—	—	—	—	—	30	19	49
Lake Grove	—	11	11	3	2	5	—	—	—	—	—	—	3	13	16
Lakeview	3	8	11	—	—	—	—	—	—	—	—	—	3	8	11
Lebanon	25	107	132	17	13	30	3	1	4	—	—	—	45	121	166
Madras	13	13	26	—	—	—	1	—	1	—	—	—	14	13	27
McMinnville	11	63	74	3	10	13	—	2	2	—	—	—	14	75	89
Medford	24	121	145	1	10	11	—	3	3	—	11	11	25	145	170
Milton	7	19	26	—	—	—	—	—	—	—	—	—	7	19	26

Enrollment in General Extension Division

(Continued)

July 1, 1950—June 30, 1951

	Undergraduates			Graduates			Auditors			Non-Credit			Total		
	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total	Men	Women	Total
Milwaukie	—	17	17	6	4	10	—	—	—	—	—	—	6	21	27
Molalla	—	9	9	1	1	2	—	—	—	—	—	—	1	10	11
Monmouth	9	37	46	6	7	13	4	4	8	—	—	—	19	48	67
Myrtle Creek	—	36	36	5	1	6	—	3	3	—	—	—	5	40	45
Myrtle Point	1	29	30	—	—	—	—	6	6	—	—	—	1	35	36
Newberg	2	36	38	6	2	8	—	1	1	—	—	—	8	39	47
Newport	15	70	85	21	12	33	—	4	4	—	—	—	36	86	122
North Bend	1	39	40	4	5	9	—	4	4	—	—	—	5	48	53
Nyssa	4	33	37	14	12	26	—	—	—	—	—	—	18	45	63
Oakridge	5	20	25	—	4	4	1	6	7	—	—	—	6	30	36
Ontario	15	36	51	9	9	18	—	—	—	—	—	—	24	45	69
Oregon City	—	5	5	1	8	9	—	1	1	—	—	—	1	14	15
Oretech	38	—	38	2	—	2	—	—	—	—	—	—	40	—	40
Pendleton	21	75	96	4	6	10	—	—	—	—	—	—	25	81	106
Prineville	—	14	14	7	8	15	—	—	—	—	—	—	7	22	29
Raleigh Hills	—	10	10	3	4	7	—	—	—	—	—	—	3	14	17
Reedsport	7	30	37	2	6	8	7	6	13	—	—	—	16	42	58
Redmond	4	34	38	8	12	20	—	4	4	—	—	—	12	50	62
Roseburg	11	109	120	53	34	87	1	1	2	—	—	—	65	144	209
Salem	48	173	221	49	43	92	3	6	9	21	—	21	121	222	343
Sandy	5	35	40	2	1	3	—	1	1	—	—	—	7	37	44
Seaside	—	13	13	8	7	15	—	—	—	—	—	—	8	20	28
Silverton	—	14	14	—	—	—	—	—	—	—	—	—	—	14	14
Stayton	1	6	7	5	4	9	—	—	—	—	—	—	6	10	16
St. Helens	—	46	46	6	6	12	—	1	1	—	—	—	6	53	59
Sweet Home	15	85	100	—	—	—	—	—	—	—	—	—	15	85	100
Tillamook	6	43	49	9	13	22	—	1	1	—	—	—	15	57	72
Vale	15	24	39	—	—	—	—	—	—	—	—	—	15	24	39
Willamina	5	29	34	—	—	—	—	—	—	—	—	—	5	29	34
Woodburn	—	14	14	1	3	4	—	—	—	—	—	—	1	17	18
Yoncalla	2	16	18	—	—	—	—	—	—	—	—	—	2	16	18
CORRESPONDENCE STUDY	—	—	—	—	—	—	—	—	—	—	—	—	1,475	3,977	5,452*
New Registrations	1,138	1,350	2,488	—	—	—	—	—	—	—	—	—	1,138	1,350	2,488†
Totals	5,026	7,582	12,608	1,157	1,033	2,190	378	691	1,069	129	256	385	6,690	9,562	16,253

* Figures include 61 men and 440 women who took classes in more than one center.

† Figures for June, 1951, estimated.

Oregon State System of Higher Education

Organized in 1932 by the State Board of Higher Education following a federal survey of higher education in Oregon, the System 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-education 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.

The General Extension Division makes available on a state-wide basis many of the courses and services of the campus institutions and provides other educational services. The General Extension Division operates: the program services of the state-owned radio station KOAC located at Corvallis; the Portland Extension Center which offers more than four hundred evening courses; state-wide extension classes organized in many communities; community colleges in cooperation with local school districts; correspondence instruction in more than three hundred courses on both high-school and college levels; the Department of Visual Instruction which provides motion picture films, microscopic slides, and other visual material suitable for use by schools, community clubs, and other organizations; the Vanport Extension Center which provides lower-division work for full-time day students; and the Portland Summer Session which offers both graduate and undergraduate courses in an eight-week summer session.

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