

O R E G O N

State System of
Higher Education

B U L L E T I N



Portland Extension Center

Catalog Issue, 1946-47

Portland, Oregon

**PORTLAND EXTENSION
CENTER**

**UNIVERSITY OF OREGON
OREGON STATE COLLEGE
OREGON COLLEGES OF EDUCATION**

**ANNOUNCEMENTS
1946-47**

**207 EDUCATION CENTER BUILDING
220 SOUTHWEST ALDER STREET
PORTLAND 4, OREGON**

Oregon State System of Higher Education

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

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

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

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

State Board of Higher Education

	Term Expires
WILLARD L. MARKS, Albany.....	1947
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Office of the State Board of Higher Education

Eugene, Oregon

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Oregon State System of Higher Education

Executive Officers

HARRY K. NEWBURN, Ph.D. President, University of Oregon	AUGUST LEROY STRAND, Ph.D. President, Oregon State College
DAVID W. E. BAIRD, M.D., LL.D. Dean, University of Oregon Medical School	CHARLES ABNER HOWARD, M.A., LL.D. President, Oregon College of Education
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Deans and Directors*

DAVID W. E. BAIRD, M.D., LL.D.....	Dean and Director of Medicine; Director of Health Services
HERBERT ARNOLD BORK, M.S., C.P.A.....	Comptroller
EYLER BROWN, M.Arch.....	Acting Dean and Director of Architecture and Allied Arts
WILLIAM HUGH CARLSON, M.A.....	Director of Libraries
JOHN FRANCIS CRAMER, Ed.D.....	Dean and Director of General Extension
GEORGE EDWARD CROSSEN, Ph.D.....	Dean and Director of Pharmacy
PAUL MILLARD DUNN, M.S.F.....	Dean and Director of Forestry
JAMES HENRY GILBERT, Ph.D.....	Dean of the College of Liberal Arts; Director of Arts and Letters and Social Science
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JAMES RALPH JEWELL, Ph.D., LL.D.....	Dean of Education; Director of High School Teacher Training
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RALPH WALDO LEIGHTON, Ph.D., D.Sc.....	Dean and Director of Physical Education
AVA BERTHA MILAM, M.A.....	Dean and Director of Home Economics
VICTOR PIERPONT MORRIS, Ph.D.....	Dean and Director of Business Administration
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EARL LEROY PACKARD, Ph.D.....	Dean and Director of General Research
ALFRED POWERS, A.B.....	Dean and Director of Creative Writing and Publishing
WILLIAM ALFRED SCHOENFELD, M.B.A.....	Dean and Director of Agriculture
MAHLON ELLWOOD SMITH, Ph.D.....	Dean and Director of Lower Division
GEORGE STANLEY TURNBULL, M.A.....	Dean and Director of Journalism
GENEVIEVE GRIFFITH TURNIPSEED, M.A.....	Director of Dormitories

* Each dean and director in this list is interinstitutional in function, and the Chancellor's principal adviser in his field. Academic deans and directors are responsible, jointly with the presidents of institutions where nonmajor work is offered, for keeping nonmajor course offerings in proper relation to the work of the major schools.

PORTLAND EXTENSION CENTER

CALENDAR, 1946-47

Fall Term

September 23-28, Monday to Saturday.....Classes begin as scheduled
October 5, Saturday.....Last day for payment of fees without penalty
(before noon)
October 12, Saturday.....Last day to add a course or to change
from audit to credit
November 16, Saturday.....Last day to withdraw from a course or to
change from credit to audit
November 28-December 1, Thursday to Sunday....Thanksgiving vacation
December 9-14, Monday to Saturday.....Final examinations

Winter Term

January 6-11, Monday to Saturday.....Classes begin as scheduled
January 18, Saturday.....Last day for payment of fees without penalty
(before noon)
January 25, Saturday.....Last day to add a course or to change
from audit to credit
February 22, Saturday.....Last day to withdraw from a course or to
change from credit to audit
March 17-22, Monday to Saturday.....Final examinations

Spring Term

March 24-29, Monday to Saturday.....Classes begin as scheduled
April 5, Saturday.....Last day for payment of fees without penalty
(before noon)
April 12, Saturday.....Last day to add a course or to change
from audit to credit
May 17, Saturday.....Last day to withdraw from a course or to change
from credit to audit
May 30, Friday.....Memorial Day, holiday
June 2-7, Monday to Saturday.....Final examinations

Portland Extension Center

OREGON STATE SYSTEM OF HIGHER EDUCATION

Faculty

HARRY K. NEWBURN, Ph.D., President, University of Oregon.
AUGUST LEROY STRAND, Ph.D., President, Oregon State College.
CHARLES ABNER HOWARD, M.A., LL.D., President, Oregon College of Education;
Director of Elementary Teacher Training.

JOHN FRANCIS CRAMER, Ed.D., Dean and Director of General Extension.
OLOF LARSELL, Ph.D., Sc.D., Dean and Director of Graduate Division.
HENRY EUGENE STEVENS, Ed.D., Assistant Director of General Extension; Grad-
uate Adviser, Portland Extension Center.
CURTIS EDMUND AVERY, M.A., Registrar, University of Oregon and Portland Ex-
tension Center.
MARGARET MORRISON SHARP, Administrative Assistant, Portland Extension
Center.
MAURINE W. CHURCHILL, Secretary, Portland Extension Center.

PERCY M. COLLIER, B.A., LL.B., Associate Professor of English.
B.A. (1911), Oregon; LL.B. (1914), Michigan. Lecturer (1929-30), Assistant Professor
(1930-42), Associate Professor (1942—).
JOHN FRANCIS CRAMER, Ed.D., Professor of Education; Dean and Director of
General Extension.
A.B. (1920), A.M. (1921), Willamette; M.Ed. (1932), Ed.D. (1937), Oregon. Professor,
Dean and Director (1944—).
PHILIP WOOD JANNEY, B.A., C.P.A., Associate Professor of Business Adminis-
tration.
B.A. (1920), Oregon; C.P.A. (1922), State of Oregon. Faculty, Oregon (1921-23);
Assistant Professor (1923-41), Associate Professor (1941—).
MABLE HOLMES PARSONS, M.A., Professor of English.
B.A. (1904), M.A. (1905), Michigan. Faculty, Oregon (1912-19); Professor (1919—).

WESLEY CHARLES BALLAINE, Ph.D., Associate Professor of Business Administra-
tion, University of Oregon.
HAROLD WRIGHT BERNARD, Ph.D., Assistant Professor of Education, University
of Oregon.
ARTHUR GEORGE BRISTOW BOUQUET, M.S., Professor of Vegetable Crops; Horti-
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College.
RONALD KENNETH CAMPBELL, Ph.D., Associate Professor of Business Administra-
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JAMES CARL CAUGHLAN, M.A., Assistant Professor of Education, General Exten-
sion Division, Oregon State System of Higher Education.
NEWEL HOWLAND COMISH, Ph.D., Professor of Business Administration, Univer-
sity of Oregon.

- MILTON DIETRICH, M.Mus., Instructor in Music, University of Oregon.
- STEPHEN E. EPLER, Ph.D., Instructor in Education; Director, Vanport Extension Center, Oregon State System of Higher Education.
- GLENN WILLIS HOLCOMB, M.S., Professor of Structural Engineering, Oregon State College.
- JAMES RALPH JEWELL, Ph.D., LL.D., Professor of Education; Dean of Education; Director of High School Teacher Training, Oregon State System of Higher Education.
- ALFRED LEWIS LOMAX, M.A., Professor of Business Administration, University of Oregon.
- JENNELLE VANDEVORT MOORHEAD, B.A., Associate Professor of Physical Education, University of Oregon.
- HELEN F. NICHOLSON, R.N., M.S., Assistant Professor of Nursing Education, University of Oregon Medical School.
- JACK R. PARSONS, M.S., Assistant Professor of Sociology and Social Work, University of Oregon.
- ALFRED POWERS, A.B., Professor of Journalism; Dean and Director of Creative Writing and Publishing, Oregon State System of Higher Education.
- WILLIAM CURTIS REID, Ph.D., Associate Professor of Visual Instruction and Head of Department, Oregon State System of Higher Education.
- CARL WALTER SALSER, Ed.M., Professor of Education and Head of Department; Assistant Dean, School of Education, Oregon State College.
- HARRY JOHNSON SEARS, Ph.D., Professor of Bacteriology and Head of Department, University of Oregon Medical School.
- JAMES WILSON SHERBURNE, Ph.D., Professor of Psychology, Oregon State College.
- HENRY EUGENE STEVENS, D.Ed., Associate Professor of Education, University of Oregon.
- FRANK K. THOMPSON, Ph.D., Instructor in Biochemistry, University of Oregon Medical School.
- WILBERT R. TODD, Ph.D., Associate Professor of Biochemistry, University of Oregon Medical School.
- LYLE VEAZIE, M.A., Instructor in Bacteriology, University of Oregon Medical School.
- ADOLPH WEINZIRL, M.D., Professor of Public Health and Preventive Medicine; Director of Division of Social Hygiene Education, University of Oregon Medical School.
- STANLEY E. WILLIAMSON, M.A., Professor of Science Education, Oregon State College.
- HUGH B. WOOD, Ed.D., Professor of Education, University of Oregon.
- VAUGHN SHAFFER ALBERTSON, M.A., Instructor in English, Portland and Vanport Extension Centers.
- WILLIAM L. ALDERSON, M.A., Assistant Professor of Literature, Reed College.
- JOHN ELIOT ALLEN, Ph.D., Instructor in Geology, Portland Extension Center.
- ALFRED APSLER, Ph.D., Instructor in Modern Languages, Lower Columbia Junior College.

- CLAIRE A. ARGOW, M.S., LL.B., Executive Secretary, Oregon Prison Association.
- ALICE M. BAHRS, Ph.D., Instructor in Nutrition, Portland Extension Center.
- H. M. BARR, M.A., Director of Research, Portland Public Schools.
- SUZANNE M. BEATTIE, M.A., Instructor in French, Portland Extension Center.
- FRANK B. BENNETT, M.A., Superintendent of Schools, Salem, Oregon.
- ROBERT BLACK, M.A., Technical Director, Portland Civic Theatre.
- JEAN C. BLOOM, M.S., Assistant Supervisor, Adult Family Life Education, Portland Public Schools.
- LOUIS BUNCE, Instructor in Drawing and Painting, Museum Art School.
- DON J. CAMPBELL, M.A., Superintendent, Park Rose Public Schools.
- MARIE CHURCHILL, B.A., Instructor in Speech and Dramatic Arts, Portland Extension Center.
- JOHN E. COMFORT, B.S., Instructor in General Engineering, Portland Extension Center.
- ROGER L. CONKLING, B.B.A., Administrative Officer, Bonneville Power Administration.
- ROBERT TYLER DAVIS, M.A., Director and Lecturer, Museum Art School.
- AMO DEBERNARDIS, M.S., Supervisor of Visual Education, Portland Public Schools.
- SAIDIE ORR DUNBAR, B.Litt., State Executive Secretary, Oregon Tuberculosis Association.
- HAROLD CHARLES ELKINTON, M.B.A., Professor of Economics and Business Administration, Linfield College.
- MARVIN WILBUR ELLE, M.S., Instructor in Business Administration, Portland Extension Center.
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- LUCILE ELIZABETH FENN, M.A., Director of Primary and Kindergarten Education, Portland Public Schools.
- CALVIN B. FOULK, M.A., Instructor in Zoology, Portland Extension Center.
- FLORENCE HOLMES GERKE, B.S., Instructor in Landscape Architecture, Portland Extension Center.
- MARY ELIZABETH GILMORE, B.A., Assistant Supervisor, Radio Station KBPS, Portland Public Schools.
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- EUGENE J. GULDEMANN, B.S., Instructor in General Engineering, Vanport and Portland Extension Centers.
- RUTH ELISE HALVORSEN, M.A., Supervisor of Art, Portland Public Schools.
- JOHN L. HASKINS, M.D., Medical Supervisor, Morningside Hospital.
- PAUL W. HELLER, B.S., Instructor in Physics, Portland Extension Center.
- G. C. HENRIKSEN, M.A., Supervisor of Vocational Education and Industrial Arts, Portland Public Schools.
- ALFRED J. HERMAN, Instructor in Spanish, Portland Extension Center.
- LESTA HOEL, M.A., Supervisor of Mathematics, Portland Public Schools.
- CHARLA BOONE ILGNER, B.S., Instructor in Art, Portland Extension Center.
- FRANCES WRIGHT JONASSON, B.S., Instructor in Home Economics, Portland Extension Center.

JONAS A. JONASSON, Ph.D., Professor of History, Linfield College.
 VERA K. KRIVOSHEIN, Instructor in Russian, Portland Extension Center.
 JOHN FREDERICK LEHMAN, B.S., Instructor in English, Portland Extension Center.
 DOROTHEA M. LENSCH, M.A., Director of Recreation, Portland Bureau of Parks and Public Recreation.
 ELLA S. LITCHFIELD, M.A., Instructor in English, Portland and Vanport Extension Centers.
 FREDERIC LITTMAN, Resident Artist, Reed College; Instructor in Sculpture, Museum Art School.
 WATT A. LONG, M.A., Assistant Superintendent in Charge of Curriculum Instruction and In-Service Training, Portland Public Schools.
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 DONALD MARYE, B.A., Director of Portland Civic Theatre.
 DAN H. MATER, Ph.D., Principal Transportation Economist, Bonneville Power Administration.
 JACK McLARTY, Instructor in Drawing and General Art, Museum Art School.
 WILLARD A. MEARS, Assistant Production Manager, Radio Station KOIN.
 COLTON MEEK, M.A., Principal of Grant High School.
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 LANCASTER POLLARD, B.A., Superintendent, Oregon Historical Society.
 CORINNE POUTEAU, Bachelière-ès-Lettres, Alençon, Lecturer in Romance Languages, Reed College.
 JAMES FERRIS PRICE, M.A., Instructor in Mathematics, Portland Extension Center.
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 JOHN WALLACE RYDER, B.S., M.F.A., Instructor in Ceramics, Museum Art School.
 HARRY D. SKELTON, Instructor in Business Administration, Portland Extension Center.
 DORIS SMITH, Instructor in Speech and Dramatic Arts, Portland Extension Center.
 STEPHEN E. SMITH, M.S., Principal of Washington High School.
 WILLIAM C. SMITH, Ph.D., Professor of Sociology and Political Science, Linfield College.
 WILLARD B. SPALDING, Ed.D., Superintendent, Portland Public Schools.
 ELMER M. STODDARD, B.A., Instructor in Business Administration, Portland Extension Center.

MARY TAYLOR, B.A., Instructor in Design and General Art, Museum Art School.
 CHARLES H. VOORHIES, Instructor in Drawing and Painting, Museum Art School.
 WARREN WESLEY WILCOX, Ph.D., Instructor in Psychology, Portland Extension Center.
 ROBERT H. WILLIAMS, Personnel Director, Bingham Pump Company.
 RAY O. WOLF, M.A., Supervisor of Social Studies, Portland Public Schools.
 BEATRICE YOUNG, Ph.D., Professor of Romance Languages, Pacific University.
 MARION ZOLLINGER, M.A., Supervisor of Language Arts, Portland Public Schools.

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 render service through extension classes, short courses, correspondence study, in-service extension education, visual instruction, radio programs, and summer sessions. General Extension activities in Portland are administered through the Portland Extension Center.

For the academic year 1946-47 the Portland Center announces 161 evening, afternoon, and Saturday morning courses in 28 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 1946-47 the dates are as follows: fall term, September 23 to December 14; winter term, January 6 to March 22; spring term, March 24 to June 7.

The office of the Portland Center is at 207 Education Center Building, 220 Southwest Alder Street. The telephone number is ATwater 2165. The office is open daily from 9:00 a.m. to 5:00 p.m., with the exception of Saturday when it closes at 12:00 noon. Classes are held in the Lincoln High School Building, 1620 Southwest Park Avenue, except where another place is indicated in the schedule.

Admission

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 student.
- (3) Those formally enrolled as graduate students, working toward master's degrees, or enrolled for credit beyond the bachelor's degree.
- (4) Students not working for credit—a considerable number of men and women taking courses for their cultural and practical value.

Admission to First-Year Standing. The 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, one unit in algebra, one-half unit in higher algebra, and one 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.

Admission with Advanced Standing. 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.

Credit Regulations

RESIDENT credit in the University of Oregon, Oregon State College, and the Oregon Colleges of Education may be earned in 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 45 term hours (normally the last 45) 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.

Students desiring to work toward degrees should confer with an adviser in the Portland Center office regarding the 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 in the Portland Center office, so that the most effective schedule of courses may be planned in conformance with the various curricula of the State System.

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

Students are reminded that the primary purpose of the Portland Center and the limitations of the budget do not make it possible always to offer courses which individuals may need to fulfill degree requirements.

Group Requirements. To receive the Junior Certificate and to be admitted to upper-division standing, lower-division students must satisfy all the requirements for the certificate, as stated in the catalogs of the institutions of the State System, including the group requirements. Courses satisfying group requirements at the University of Oregon and Oregon State College are offered in the Portland Center; students should consult an adviser in the Portland Center office in regard to these requirements.

Upper-division transfers from other accredited institutions may already have satisfied the group requirements. Students should, however, always 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.

Registration

STUDENTS may register daily, except Saturday, from 9:00 a.m. to 5:00 p.m., and on Saturday from 9:00 a.m. to 12:00 noon, at the Portland Center office, 207 Education Center Building, 220 Southwest Alder Street. During the first two weeks of each term they may also register in the evenings, except Friday and Saturday, from 6:45 p.m. to 9:15 p.m., at Lincoln High School, 1620 Southwest Park Avenue. Fees are payable during the first two weeks of each term. The reg-

istration fees for the fall term are due not later than October 5; for the winter term, January 8; for the spring term, April 5.

Fees and Refunds

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

Registration Fee. The registration fee for all students, regardless of academic status, is \$3.50 per credit hour; the minimum fee is \$7.00 per term.

Students in military service may register for undergraduate credit or as auditors at \$1.00 per credit hour.

Veterans may use the educational benefits available under the Federal and state laws for work in Portland Extension Center courses.

A few courses carry special service or laboratory fees. These fees are indicated in the course descriptions.

Late-Registration Fees. Students who register after the second week of a term pay a late-registration fee in addition to the regular fee. During the third week the late-registration fee is 50 cents; fourth week, \$1.00; fifth week, \$1.50; sixth week, \$2.00.

Degree Fee. The degree fee of \$6.50 is paid to the business office of the institution granting the degree. No person will be recommended for a degree until he has paid all fees, including the degree fee.

Examination Fee. An examination fee of \$10.00 is paid by students not regularly registered in the Portland Extension Center who take examinations for advanced degrees or other special examinations.

Transcript Fee. A transcript fee of \$1.00 is charged for each transcript of credits issued after the first one, for which no charge is made.

Fee Refund. Refund of fees is granted to students who are obliged for sufficient reason 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 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 refunds of less than \$1.00.

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

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.

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.

Course Numbering System

THE courses in this catalog are numbered in accordance with the course numbering system of the Oregon State System of Higher Education. Lower-division (freshman and sophomore) courses are numbered from 1 to 299; upper-division (junior and senior) courses are numbered from 300 to 499; courses numbered 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); graduate courses are numbered from 500 to 599.

Cooperative Courses

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

Art Classes at the Portland Art Museum. The Portland Extension Center and the Museum Art School jointly offer fourteen courses in art which provide a variety of study for the beginner as well as for the advanced student. These courses carry lower-division credit, if desired, or upper-division credit when the prerequisites have been met. The fee is \$8.00 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. Students may register at the Museum Art School after August 15 for fall-term classes.

In-Service Training Courses for Portland Teachers. In cooperation with the Portland Public Schools, sixteen courses are offered as a part of the in-service training program of the school system. These classes meet at Grant High School from 4:30 to 6:15 p.m., and are open to any qualified students. The courses carry credit, and the fees are the same as for 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, as well as in the Portland Summer Session. Under this cooperative arrangement, the facilities of the Civic Theatre are made available to drama students in the Portland Center.

Graduate Work

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 8 term hours which must be taken in residence on the University or State College campus. In a number of fields, one-third of the work for the Master of Arts (departmental) and the Master of Science degree 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 Division 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 exempted 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 foundational 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 five 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. An average grade of B (grade-point average, 3.00) is required for all course work for the master's degree. Grades below C are not accepted for graduate credit.

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 should obtain a blue registration card at the Portland Center office, fill it in completely, and have it signed by his instructors and adviser. The card should be filed when the registration fee is paid. *Graduate credit cannot be recorded if the blue card is not filed.*

Master of Arts (General Studies). The degree of Master of Arts (General Studies) is granted for study of a problem on the graduate level for which specialization in a single major field is unsuitable. All or part of the work for this degree may be taken in the Portland Extension Center.

The degree is "general" only in terms of the approach through the resources of several departments, but may be intensive in terms of the subject, period, or problem studied. A program of study for the M.A. (General Studies) is usually formulated in terms of an integrated complex of courses, including study in two or more departments. A considerable variety of programs may be arranged in the Portland Center.

The purpose of the general-studies program is to adapt graduate study to the particular needs of the individual student. While there is no general language requirement, a language may be required to complete certain course complexes. The thesis requirement may be waived by the institutional committee in charge of the general-studies program, upon the recommendation of the adviser. Requirements regarding credits, grades, time limit, hours, and qualifying and final examinations are the same as for departmental degrees. A student wishing to work toward this degree should make application through the Portland Center office either before or as soon as he enters upon graduate study.

Master of Education. All work required for the Master of Education degree may be taken in the Portland Extension Center, except 8 term hours, which must be completed in residence on the University or the State College campus. 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. A thesis is not required.

General graduate regulations governing admission to the Graduate Division, 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.

Description of Courses

FOR an explanation of the course numbering system see page 15. The hours indicated following the course title represent the term hours of credit which may be earned. The Portland Extension Center reserves the right to discontinue any announced course because of insufficient enrollment or for other reasons.

ANTHROPOLOGY

INSTRUCTOR: MERZ.

UPPER-DIVISION COURSES

Anth 411, 412, 413. **Problems of Race and Culture.** 3 hours each term.

Fall: the basis of racial classification; stability of racial types, mental quality of races, race crossing, race prejudice as a cultural product. Winter: the nature of society and culture, origins of culture, culture dynamics. Spring: the process of socialization; adjustment of the group and the individual to culture; culture and personality. Wednesday, 6:45-9:25; Room 204.

ART

INSTRUCTORS: BUNCE, GIVLER, HALVORSEN, ILGNER, LITTMAN, McLARTY, RYDER, TAYLOR, VOORHIES.

LOWER-DIVISION COURSES

AA 296. **Lower-Division Applied Design (Metalwork).** 1 hour each term.

Creative approach to metalwork, including study of materials, techniques, and design involved in hollow ware and jewelry. Class limited to 15. Ilgner. Wednesday, 4:00-6:00; Room 519, Kraemer Building, 206 Southwest Washington Street.

UPPER-DIVISION COURSES

AA 414a, 414b, 415. **Art Education.** 2 hours each term.

Art education at the elementary and secondary levels. Subject matter, materials, methods of presentation in relation to a modern curriculum. A study of the objectives of general education to which art education can make a genuine contribution. Choice and use of materials in relation to units of work; art concepts and activities in the language arts, social studies, social sciences. Demonstration and general class participation. Halvorsen. Thursday, 7:15-9:00; Room 301.

The following classes, given in cooperation with the Museum Art School, are conducted at the Museum Art School, Southwest Park at Madison Street. The registration fee is \$8.00 per term for each class.

LOWER-DIVISION COURSES

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

For beginners and laymen. A survey of many aspects of the arts, with discussions and practice in drawing, composition, painting, and sculpture. The aim is to increase the student's powers of observation and expression and to lead to a better understanding of the arts. The fee includes cost of materials for the class. McLarty, Taylor. Tuesday, 7:30-9:30.

AA 166a, 166b, 167a. **Design I.** 1 hour each term.

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

AA 290. **Lower-Division Painting.** 1 hour each term.

Problems of the individual student; instruction in the use of a variety of mediums. Voorhies, Bunce. Thursday, 7:30-9:30.

AA 290. **Lower-Division Painting (Color).** 1 hour each term.

Problems of the individual student; instruction in the use of color in a variety of mediums. Bunce. Tuesday, 7:30-9:30.

AA 291. **Lower-Division Drawing.** 1 hour each term.

Emphasis on drawing from objects and the model in a variety of mediums. McLarty. Wednesday, 7:30-9:30.

AA 291. **Lower-Division Drawing (Life Drawing).** 1 hour each term.

Emphasis on drawing from models. Voorhies. Tuesday, 7:30-9:30.

AA 292. **Lower-Division Composition.** 1 hour each term.

Compositional drawing in black and white mediums, for students with previous training. Givler. Wednesday, 7:30-9:30.

AA 292. **Lower-Division Composition (Lithography).** 1 hour each term.

Compositional drawing in black and white mediums, with opportunity for development of drawing in lithography. Givler. Thursday, 7:30-9:30.

AA 293. **Lower-Division Sculpture.** 1 hour each term.

Experience with modeling from the figure and from imagination, and practice in casting. Progressive series of problems in sculpture. Littman. Section I, Wednesday, 7:30-9:30; Section II, Thursday, 7:30-9:30.

AA 296. **Lower-Division Applied Design (Ceramics).** 1 hour each term.

Creative approach to ceramics, including knowledge of various clays, building of forms by hand, and experience with glazes. Ryder. Section I, Tuesday, 7:30-9:30; Section II, Thursday, 7:30-9:30. Course fee, \$5.00 in addition to registration fee.

UPPER-DIVISION COURSES

AA 490. **Upper-Division Painting.** 1 hour each term.

Advanced problems in painting. Work in all mediums and on individual problems. Prerequisite: 15 hours credit in AA 290. Voorhies. Thursday, 7:30-9:30.

AA 492. **Upper-Division Composition (Lithography).** 1 hour each term.

Advanced problems in composition. Opportunity for development of drawings in lithography and the etching process. Prerequisite: 15 hours credit in AA 292. Givler. Thursday, 7:30-9:30.

AA 493. **Upper-Division Sculpture.** 1 hour each term.

Progressive series of problems in sculpture, including original sketches in clay from life, as well as carefully executed works in stone. Prerequisite: 15 hours credit in AA 293. Littman. Section I, Wednesday, 7:30-9:30; Section II, Thursday, 7:30-9:30.

AA 496. **Upper-Division Applied Design (Ceramics).** 1 hour each term.

Advanced problems in design, with emphasis on ceramics. Prerequisite: 15 hours credit in AA 296. Ryder. Tuesday, 7:30-9:30. Course fee, \$5.00 in addition to registration fee.

BUSINESS ADMINISTRATION

PROFESSORS: COMISH, LOMAX. ASSOCIATE PROFESSORS: BALLAINE, CAMPBELL, COLLIER, JANNEY.
INSTRUCTORS: CONKLING, ELLE, PATTULLO, SKELTON, STODDARD, WILLIAMS.

ACCOUNTING

LOWER-DIVISION COURSES

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

Technique of account construction; preparation of financial statements. Application of accounting principles to practical business problems. Required of

business-administration majors. Skelton. Monday and Wednesday, 7:15-9:00; Room 106.

BA 111a, 111b, 112a. Constructive Accounting I. 2 hours each term.

Introductory course to the field of accounting. Experience or training in book-keeping or accounting is not expected of students who enroll. Functions of accounts, relations of accounts to each other, and the purpose of accounting records in modern business procedure. Attention devoted to problems illustrating the theory of double entry, both in single transactions and in the operation of a complete set of accounts. A limited amount of practice-set work required. Skelton. Thursday, 7:15-9:00; Room 106.

BA 112b, 113a, 113b. Constructive Accounting II. 2 hours each term.

Continuation of BA 111a, 111b, 112a. Details of accounting in the various forms of business organization; amplification of business records and accounts, leading to a knowledge of all that is required in the preparation of comprehensive operating and financial statements. Problems and practice-set work required; thorough training in the technique of opening and closing a set of books. Students with some practical training in accounting but not prepared for advanced accounting may enroll in this course. Janney. Monday, 7:15-9:00; Room 108.

UPPER-DIVISION COURSES

BA 483, 484, 485. Accounting Theory and Practice. 2 hours each term.

Presupposes a thorough knowledge of accounting from the constructive standpoint. Advanced accounting principles, functions and preparation of special statements, and ratio analysis of financial statements. Considerable attention given to problems and legal aspects of accounting in partnership and corporate forms of business organization. Prerequisite: BA 111, 112, 113 or equivalent. Janney. Tuesday, 7:15-9:00; Room 108.

BA 490, 491, 492. Advanced Accounting Theory and Practice. 2 hours each term.

Aims to give a thorough professional training in practical accounting theory and practice in preparation for the certified-public-accountant examination, and for position of auditor, comptroller, or executive. The different classes of audits—balance sheet, detailed, continuous, cash—and special investigations are treated in detail. Prerequisite: BA 483, 484, 485 or equivalent. Janney. Wednesday, 7:15-9:00; Room 108.

BA 493a, 493b. Income-Tax Procedure. 2 hours each term, fall and winter terms.

Study of the income-tax laws of the United States and the state of Oregon, including regulations, treasury decisions, and other pertinent administrative rulings. The preparation of individual, partnership, and corporate returns; settlement of tax disputes. New developments in income-tax law emphasized. Pattullo. Wednesday, 7:15-9:00; Room 115.

GENERAL BUSINESS COURSES

BA 03. Managing a Small Business. No credit, spring term.

The principles of establishing and operating a small business enterprise. Relations with banks, with wholesalers, with labor, and with government agencies. Planned for those who wish to establish their own business. Ballaine. Tuesday, 7:15-9:00; Room 106.

LOWER-DIVISION COURSE

BA 222a, 222b. Elements of Finance. 2 hours each term, fall and winter terms.

The financial problems of corporations. Organization of corporations; how

they obtain long-term funds; management of working capital; distribution of securities. Required of business-administration majors. Prerequisite: BA 111, 112, 113 or consent of instructor. Ballaine. Tuesday, 7:15-9:00; Room 106.

UPPER-DIVISION COURSES

BA 428, 429, 430. Human Relations in Supervision. (G) 2 hours each term.

Objectives of personnel administration and supervision. Basic characteristics of man—motives, emotions, attitudes, aptitudes, interests, capacities, personality, individual differences. Man in a group; frustration, normal and abnormal reactions; morale; learning. Practical application of principles in such activities of supervision as interviewing, leading, setting standards and checking performance, coordinating and cooperating, maintaining discipline, training and development of employees. Case studies. Prerequisite: consent of instructor. Campbell. Thursday, 7:15-9:00; Room 204.

BA 414a, 414b. Personnel Management. 2 hours each term, fall and winter terms.

Practical organization of a complete industrial- and public-relations department within a company's organization structure. Outline of the major divisions of such a department and the major functions of each division, such as employment division, training, personnel research, accident prevention, labor relations, payroll administration, plant or camp protection, employee services and welfare, public relations. Williams. Monday, 7:15-9:00; Room 217.

BA 416, 417, 418. Business Law. 2 hours each term.

Study of fundamental law applying in business situations, made concrete by actual cases and illustrative problems. Fall: contracts, their formation, performance, and discharge; agency. Winter: negotiable instruments—checks, notes, and drafts; their negotiation, banking, and discharge. Real-estate mortgages, landlord and tenant. Spring: personal property, sales, bailments, and chattel mortgages. Business organizations, partnerships and corporations; the rights and liabilities of business carried on in these forms. Collier. Wednesday, 7:15-9:00; Room 203.

BA 436a, 436b. Retail Merchandising. (G) 2 hours each term, fall and winter terms.

Retail policies and problems. Stock-control systems, buying, methods of sales promotion, plant operation, personnel, credit, turnovers, pricing, expense classification and distribution. Comish, Elle. Friday, 7:00-8:45; Room H, Central Library.

BA 442. Principles of Salesmanship. (G) 2 hours spring term.

Principles and techniques of personal salesmanship; selling reactions. From the standpoints of seller and buyer. Comish, Elle. Friday, 7:00-8:45; Room H, Central Library.

BA 446. Practical Advertising. 3 hours fall-winter term.

Establishment of correct procedure in handling advertising problems. Assignments approached on a practical agency-client basis. Twenty lecturers from advertising agencies, media, and production organizations will participate in the course under sponsorship of Oregon Advertising Club. Enrollment limited to 35. No-grade course. The class will meet for sixteen weeks, from September 23 to January 27; vacation, December 16 to January 6. Monday, 7:15-9:00; Room 107. Course fee, \$4.50 in addition to registration fee.

BA 467. Public-Utility Management. 3 hours fall term.

Basic utility terminology and statistics; phases of public-utility economics, which are the fundamental bases for the formulation of managerial policy,

such as legal definition and concept, economic characteristics, regulation, valuation, rate of return, etc.; the principles of rate structures and the common types of rates; the operating principles of utility-system organization, including external and internal organization features, departmental functions, customer and general accounting procedure, operating cost analysis, operating policies and problems, and analysis of reports. Conkling. Tuesday, 6:45-9:25; Room 116.

- BA 471, 472, 473. **Foreign-Trade Technique.** (G) 3 hours each term.
Fall: ship classification, construction terminology, buoyancy, ship tonnage, trade routes; economics of fuels. Winter: the relationship of the carrier to the port and to cargo, geography of ports, port administration, cargo handling and stowage; modern methods of cargo protection, bills of lading, charter parties, necessary documents in ocean traffic. Spring: financing foreign trade, marine-insurance principles, and standard selling terms. Lomax. Tuesday, 6:45-9:25; Room 314.
- BA 479. **Casualty Insurance.** 2 hours fall term.
Organization of companies, risks covered, and contracts, in accident insurance of all types. Automobile, plate glass, elevator, public liability, steam boiler, burglary, robbers, forgery, etc. The course will also include a lecture on suretyship. Stoddard. Monday, 7:15-9:00; Room 211.

GRADUATE COURSE

- BA 501. **Advanced Commercial Research.** Terms and hours to be arranged. Comish, Lomax.

See also:

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| Ec 201, 202, 203. Principles of Economics (under Economics). | Rht 217. Business English (under English—Rhetoric). |
| Ec 337. Economics of Transportation (under Economics). | SD 130, 131. Extempore Speaking (under English—Speech and Drama). |
| Ec 441a, 441b, 442. International Economic Policies (under Economics). | SD 225, 226. Public Speaking for Business and Professional Men and Women (under English—Speech and Drama). |
| Hst 487, 488. American Economic History (under History). | SD 234. Public Discussion (under English—Speech and Drama). |

CHEMISTRY

ASSISTANT PROFESSOR: TODD. INSTRUCTOR: THOMPSON.

LOWER-DIVISION COURSES

- Ch 101, 102, 103. **Elementary General Chemistry.** 4 hours each term.
A year sequence for students desiring an introduction to the general field. Lecture, Todd. Wednesday, 6:30-8:30; Room 1, Medical School. Laboratory, Thompson. Thursday, 6:30-10:00; Biochemistry Laboratory, first floor, Medical School. Laboratory fee, \$4.00 each term.

DRAMA

(See English—Speech and Drama)

ECONOMICS

PROFESSORS: ELKINTON, MUNK. INSTRUCTOR: MATER

LOWER-DIVISION COURSE

- Ec 201, 202, 203. **Principles of Economics.** 3 hours each term.
The principles that underlie production, exchange, and distribution. Practical

problems, such as monetary and banking reform, regulation of international trade, the taxation of land values, labor movements, regulation of railways, and the control of trusts. Elkinton. Wednesday, 6:45-9:25; Room 205.

UPPER-DIVISION COURSES

- Ec 337a, 337b. **Economics of Transportation.** 2 hours each term, fall and winter terms.
Economic problems of contract and common carriers by water, highway, airway, railway. Passenger, freight, express, mail services; theories of rate making; public policy towards subsidies and aids; competition and coordination. Mater. Thursday, 7:15-9:00; Room 108.
- Ec 441a, 441b, 442. **International Economic Policies.** (G) 2 hours each term.
Economic problems originating in or aggravated by World War I, and the remedial policies proposed. Economic causes and effects of World War II. Munk. Tuesday, 7:15-9:00; Room 115.

EDUCATION

PROFESSORS: CRAMER, JEWELL, SALSER, SHEERBURNE, WILLIAMSON, WOOD.
ASSOCIATE PROFESSORS: REID, STEVENS. ASSISTANT PROFESSORS: BERNARD, CAUGHLAN.
INSTRUCTORS: BENNETT, CAMPBELL, EPLER, PARR, PINCKNEY.

UPPER-DIVISION COURSES

- Ed 316. **Oregon School Law and System of Education.** 2 hours fall term.
Analysis of the Oregon school system and 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. Campbell. Wednesday, 7:15-9:00; Room 211.
- Ed 431. **Construction and Use of Visual Aids.** (G) 2 hours winter term.
Utilization of field trips, models, specimens, charts, bulletin boards, film strips, slides and motion pictures in classroom teaching. Operation of all types of visual-aid equipment, making of handmade lantern slides, mounting of pictures. Reid. Tuesday, 7:15-9:00; Room 116. Course fee, \$2.00.
- Ed 440. **History of Education.** (G) 3 hours spring term.
A general review of the growth and development of education and its relation to the civilization of the times; emphasis on development of educational philosophies. Jewell. Friday, 6:30-9:00; Room C, Central Library.
- Ed 460. **Psychology of Childhood.** (G) 3 hours fall term.
Psychological factors in the growth and development of the child. Development of physical activities, speech, mental processes, emotional behavior, and socialized activities. Prerequisite: educational psychology or general psychology. Bernard. Friday, 6:30-9:00; Room C, Central Library.
- Ed 461. **Adolescence: Growth and Development of the Individual.** (G) 3 hours spring term.
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. Prerequisite: educational psychology. Jewell. Saturday, 9:15-11:45 a.m.; Room C, Central Library.
- *Ed 472. **Basic Course in School Organization.** (G) 3 hours fall term.
Organization of both grade and high schools; emphasis on town and city school

* The four courses, Ed 472, 473, 474, 507 (Finance), provide the 12 hours required for administrative and supervisory credentials in Oregon, and are required for all majors in school administration.

systems. Prerequisite: Ed 311, 312, 313 or teaching experience. Bennett. Thursday, 6:45-9:25; Room 206.

- *Ed 473. **Basic Course in School Administration.** (G) 3 hours fall term.
Relations of the principal or superintendent to the school board; school buildings and building programs, pupil accounting, the teaching staff. Prerequisite: Ed 311, 312, 313 or teaching experience. Wood. Tuesday, 6:45-9:25; Room 105.
- *Ed 474. **Basic Course in School Supervision.** (G) 3 hours spring term.
Purpose and plans for supervision, use of tests, diagnosis of pupil difficulty, etc., as applied to both elementary and secondary schools. Prerequisite: Ed 311, 312, 313 or teaching experience. Parr. Thursday, 6:45-9:25; Room 206.
- Ed 475. **Measurement in Education.** (G) 3 hours spring term.
Construction and desirable uses of various standard tests and scales for measuring achievements in school subjects. Such elements of statistical method taught as are necessary for intelligent use of the tests. Wood. Tuesday, 6:45-9:25; Room 105.
- Ed 481. **Alcohol Studies in the School Curriculum.** (G) 2 hours fall term.
Scientific approach to the alcohol problem; how such information may be incorporated in the school curriculum. Physiological, psychological, sociological, and legal aspects of alcoholism. Development of teaching materials and methods. Pinckney. Thursday, 7:15-9:00; Room 309.
- Ed 485. **Foundations of Curriculum.** (G) 3 hours winter term.
The implications of basic social, philosophical, and psychological factors in curriculum planning and development; appraisal of the present curriculum and significant proposals for its improvement. Wood. Tuesday, 6:45-9:25; Room 105.
- Ed 492. **Social Education.** (G) 3 hours fall term.
The 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. Epler. Wednesday, 6:45-9:25; Room 211.
- Ed 493. **Guidance and Personnel Practices.** (G) 2 hours fall term.
The guidance and personnel movement; needs, methods, tests and other materials; principles and methods of developing the guidance program in the high school. Prerequisite: upper-division standing or consent of instructor. Williamson. Tuesday, 7:15-9:00; Room 107.
- Ed 494. **Counseling.** (G) 2 hours winter term.
Major emphasis on improvement of study habits, with special attention to reading and written English. Prerequisite: Ed 493 or consent of instructor. Shurburne. Tuesday, 7:15-9:00; Room 107.

GRADUATE COURSES

- Ed 501. **Educational Research.** Terms and hours to be arranged.
- Ed 505. **Reading and Conference.** Terms and hours to be arranged.
- Ed 507. **Seminar: Elementary Curriculum.** 2 hours fall term.
A study of the curriculum of the elementary school, with special attention to modern developments and to the Oregon course of study. Problems, studies, and individual reports. Caughlan. Monday, 7:15-9:00; Room 105.
- Ed 507. **Seminar: Administration of Elementary Schools.** 2 hours winter term.
Investigation and reports on recent studies in elementary administration; individual problems and reports. Caughlan. Monday, 7:15-9:00; Room 105.

* See note (*), page 23.

- Ed 507. **Seminar: Supervision of Elementary Schools.** 2 hours spring term.
Investigation and reports on recent studies in elementary-school supervision; improvement of instruction and in-service training of teachers; individual problems and reports. Caughlan. Monday, 7:15-9:00; Room 105.
- *Ed 507. **Seminar: School Finance.** 3 hours winter term.
A study of the major problems of financing education and computing the cost of education. The problems of school revenues, the capital cost of education, budget making. Prerequisite: Ed 311, 312, 313 or consent of instructor. Cramer. Thursday, 6:45-9:25; Room 206.
- Ed 507. **Seminar: Counseling and Case Studies.** 2 hours spring term.
A study of tests, reports, student records, and other materials for facilitating the work of counseling and advising. Description, analysis, and application of principles to actual cases. Prerequisite: Ed 493, 494 or equivalent preparation. Salser. Tuesday, 7:15-9:00; Room 107.
- Ed 512. **Research Procedures in Education.** 3 hours fall or spring term.
The nature and methods of research in the field of education; formulation of an individual educational problem; application of research techniques to the solution of the chosen problem. Stevens. Friday, 6:30-9:00; Room G, Central Library.
- Ed 561. **Advanced Educational Psychology.** 3 hours fall term.
Review of some modern viewpoints in educational psychology; discussion of useful experimental material. Prerequisite: graduate standing in education. Bernard. Saturday, 9:15-11:45 a.m.; Room C, Central Library.
- Ed 586. **Philosophy of Education.** 3 hours winter term.
Study of the broad fundamental principles and problems of education, as evaluated by the various schools of philosophical thought. Stevens. Friday, 6:30-9:00; Room G, Central Library.

See also (under In-Service Training Courses) :

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| Ed 316. Oregon School Law and System of Education. | Ed 469. Advanced Upper-Grade Education. |
| Ed 408e. Methods and Materials in Industrial Arts and Vocational Classes. | Ed 474a, 474b. Basic Course in School Supervision. |
| Ed 435a, 435b. Visual Aids to Instruction. | Ed 478. Improvement of Instruction in Reading. |
| Ed 445a, 445b. Teaching of Art. | Ed 482a, 482b. Intercultural Education. |
| Ed 451. Workshop for Radio Coordinators. | Ed 487a, 487b. Unit Construction. |
| Ed 459. Advanced Intermediate-Grade Education. | |

ENGINEERING

INSTRUCTORS: COMFORT, GULDEMANN.

LOWER-DIVISION COURSES

- GE 101, 102, 103. **Engineering Problems.** 2 hours each term.
Elementary problems dealing with the general fields of civil, electrical, industrial, and mechanical engineering; the aim is to give practice in engineering computations and to train the student in engineering habits of work. Comfort, Guldemann. Tuesday, Room 301, and Thursday, Room 315, 7:00-9:00.
- GE 102b, 103a, 103b. **Engineering Problems.** 1 hour each term.
Continuation of course given during 1945-46. Open to qualified students. Guldemann. Monday, 7:00-9:00; Room 301.

See note (*), page 23.

ENGLISH

PROFESSORS: PARSONS, POWERS. ASSOCIATE PROFESSOR: COLLIER. ASSISTANT PROFESSOR: ALDERSON. INSTRUCTORS: ALBERTSON, BLACK, CHURCHILL, LEHMAN, LITCHFIELD, MARYE, MEARS, SMITH.

LITERATURE

LOWER-DIVISION COURSES

- Eng 101, 102, 103. **Survey of English Literature.** 3 hours each term.
Fall: *Beowulf* to Milton. Winter: Milton to Byron. Spring: Byron to modern authors. Notable pieces of literature read, reported upon, discussed. Parsons. Thursday, 6:45-9:25; Room 114.
- Eng 201, 202, 203. **Shakespeare.** 3 hours each term.
A study of the important plays, comedies, histories, tragedies, and of Shakespeare himself as man and poet, in the light of his personal and artistic development. Required for majors in English. Parsons. Monday, 6:45-9:25; Room 114.
- Eng 264, 265, 266. **Literature of the Modern World.** 2 hours each term.
The renaissance in Italy, France, Spain, and England; Pascal and puritanism in England; French and English classicism; the romantic revolt; Victorian literature; Ibsen and the modern drama. Parsons. Wednesday, 4:00-5:45; Room F, Central Library.
- Eng 270. **The Ballad.** 3 hours spring term.
A study of the traditional ballad in England and America. Alderson. Monday, 6:45-9:25; Room 211.

UPPER-DIVISION COURSES

- Eng 431, 432, 433. **Eighteenth-Century Literature.** (G) 2 hours each term.
The prose and poetry of the century studied in relation to the social, political, and aesthetic ideas which gave the period its peculiar character. Parsons. Wednesday, 7:15-9:00; Room 114.
- Eng 434a, 434b, 435. **English Drama.** (G) 2 hours each term.
The development of English dramatic forms from the beginnings to modern times. Parsons. Tuesday, 7:15-9:00; Room 114.
- Eng 450. **Pope.** (G) 3 hours winter term.
The age of Pope. Extensive readings, supplemented by lectures and discussion, in the English Augustans. Alderson. Monday, 6:45-9:25; Room 211.

GRADUATE COURSES

- Eng 503. **Thesis.** Terms and hours to be arranged.
Parsons.
- Eng 505. **Reading and Conference.** Terms and hours to be arranged.
Parsons.
- Eng 507. **Seminar: Elizabethan Drama.** 2 or 3 hours each term.
Parsons. Saturday, 9:15-11:00 a.m.; Room F, Central Library.

See also:

Eng 348. **Poetry Appreciation in the Curriculum** (under In-Service Training Courses).

RHETORIC

LOWER-DIVISION COURSES

- Rht 111, 112, 113. **English Composition.** 3 hours each term.
The fundamentals of English composition and rhetoric, with frequent themes in the various forms of discourse: exposition, argument, description, and narration. Special attention to correctness in fundamentals, to the organization of papers, and to the essentials of good writing. Collier. Tuesday, 6:45-9:25; Room 203.
- Rht 111, 112, 113. **English Composition.** 3 hours each term.
See description above. Litchfield. Thursday, 6:45-9:25; Room 104.
- Rht 112, 113. **English Composition.** 3 hours each term, fall and winter terms.
Continuation of summer-session course. Litchfield. Tuesday, 6:45-9:25; Room 309.
- Rht 114, 115, 116. **Vocabulary Building.** 2 hours each term.
Designed to expand and sharpen the student's vocabulary and otherwise to improve the use of English. A study of words. New words, the right word, diction, pronunciation; an effective program for acquiring and using the forms and mechanics of writing. Collier. Monday, 7:15-9:00; Room 203.
- Rht 117, 118, 119. **Good Usage in Speech and Writing.** 2 hours each term.
A practical course in everyday English; essentials of grammar, diction, and mechanics; principles of sentence structure; continuous emphasis on correctness, definiteness, and other prime qualities of speech and writing. Exercises in writing adjusted to the vocational needs of the students. Albertson. Tuesday, 7:15-9:00; Room 204.
- Rht 217. **Business English.** 3 hours fall term.
A study of present-day methods in presentation of business and professional correspondence, reports, appeals, speeches; discussion of modern technique in punctuation, grammar, diction, paragraphing, and other matters of format. Collier. Thursday, 6:45-9:25; Room 203.
- Rht 217. **Business English.** 3 hours spring term.
See description above. Litchfield. Tuesday, 6:45-9:25; Room 104.

UPPER-DIVISION COURSES

- Rht 311, 312, 313. **Advanced Short-Story Writing.** 2 hours each term.
A professional course in writing the short story, to satisfy contemporary reading interests and publishing necessities. The short story as a literary form; mastery of narration as a cultural and practical skill. Constant attention to style and subject matter. Sustained practice in plot, characterization, dialogue, mood, and other essentials of the short story, and in the total story. Constructive criticism. Conferences, marketing assistance, special lectures by established authors, mutual stimulus of a group of creative writers. Prerequisite: consent of instructor. Powers. Wednesday, 7:15-9:00; Room 112.
- Rht 314a, 314b, 315. **Criticism.** 2 hours each term.
Critical analyses and reviews of poetry, fiction, and drama, supplemented by reading in critical theory and by constant practice in critical writing. Prerequisite: consent of instructor. Powers. Monday, 7:15-9:00; Room 112.

See also:

SD 337. **Radio Script Writing** (under Speech and Drama).
J 421, 422. **Articles and Features** (under Journalism).

SPEECH AND DRAMA

LOWER-DIVISION COURSES

SD 130, 131. **Extempore Speaking.** 3 hours each term, winter and spring terms.
Speech outlining and organization; development of effective delivery; application of the principles of composition and delivery to speech situations. Collier. Thursday, 6:45-9:25; Room 203.

SD 141, 142, 143. **Voice and Diction.** 2 hours each term.
The principles and practice of voice development, correct breathing, tone quality, resonance, flexibility, and support. Study and practice of phonetic principles and the development of ease and clarity in enunciation. Churchill. Thursday, 7:15-9:00; Room 110.

SD 220. **Fundamentals of Broadcasting.** 2 hours fall term.
Study of the general field of broadcasting; history and development of broadcasting, rules of the Federal Communications Commission as they apply to radio, fundamentals of standard, FM, and television broadcasting. Special lectures by authorities in the field of radio. Mears. Monday, 7:15-9:00; Room 110.

SD 221. **Radio Workshop.** 2 hours winter term.
A series of lectures on the following topics: music broadcasting, demonstration of choral techniques, radio news gathering and editing, special events and sports, program scheduling and traffic, radio sales, radio announcing, radio programming, promotion and public relations, radio writing, continuity, and radio productions. Mears, chairman. Monday, 7:15-9:00; Room 110.

SD 225, 226. **Public Speaking for Business and Professional Men and Women.** 2 hours each term, fall and winter terms.
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 of ways of reaching these motives. Collier. Friday, 7:00-8:45; Room B, Central Library.

SD 234. **Public Discussion.** 2 hours spring term.
Preparation of speeches for delivery before public audiences. Prerequisite: consent of instructor. Collier. Friday, 7:00-8:45; Room B, Central Library.

SD 244, 245, 246. **Theatre Workshop.** 2 hours each term.
Planning and construction of stage settings, costumes, properties; principles of lighting; mechanics of the physical stage. Practical experience in connection with the production of plays. Black. Monday, 7:30-9:30; Portland Civic Theatre, 1530 Southwest Yamhill Street.

Eng 248, 249, 250. **Children's Theater.** 2 hours each term.
Principles and practice of directing children's dramatics. Writing plays and programs for children. Actual practice and production of children's plays. For teachers, directors of recreational activities, and others interested in supervising the dramatic activities of children or using drama as a means of instruction. A simple, practical plan for a children's theater will be carried out, using resourcefulness rather than expensive equipment. Lehman. Thursday, 7:15-9:00; Room 107.

UPPER-DIVISION COURSES

SD 337. **Radio Script Writing.** 2 hours spring term.
Study of the technique and devices used in writing radio plays, talks, special features, adaptations, continuity forms, and public service programs. Critical

study of scripts. Prerequisite: consent of instructor. Powers. Tuesday, 7:15-9:00; Room 112.

SD 338. **Radio Program Production.** 2 hours spring term.
Actual studio practice in radio speaking. Prerequisite: consent of instructor. Mears. Monday, 7:15-9:00; Room 110.

SD 341, 342, 343. **Technique of Acting.** 2 hours each term.
Introduction to the principles of acting technique. Problems in the analysis and presentation of character. Participation in one-act and full-length plays. Smith. Tuesday, 7:15-9:00; Room 217.

SD 347, 348, 349. **Blue Room Players.** 2 hours each term.
A producing group of advanced players; actual theater practice in rehearsal and performance. Technique of the intimate and conventional theater; principles of direction, with application to acting problems. Prerequisite: SD 341, 342, 343 or equivalent experience and consent of instructor. Smith, Marye. Wednesday, 7:15-9:00; Room 217.

FOREIGN LANGUAGES

PROFESSOR: YOUNG. INSTRUCTORS: APSLER, BEATTIE, HERMAN, KRIVOSHEIN, POUTEAU.

FRENCH

LOWER-DIVISION COURSES

RL 1a, 1b, 2a. **First Course in French.** 2 hours each term.
Grammar, pronunciation, composition, conversation. Translation of easy French prose and poetry. Beattie. Tuesday, 7:15-9:00; Room 206.

RL 2b, 3a, 3b. **Second Course in French.** 2 hours each term.
Reviews and extends the knowledge of grammatical principles and the irregular verbs acquired in first course. Exercises 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. Monday, 7:15-9:00; Room 314.

UPPER-DIVISION COURSE

RL 314, 315, 316. **French Composition and Conversation.** 2 hours each term.
Presupposes knowledge of French grammar. Conducted as far as possible in French. The difficulty of the conversation increases as the course progresses. Pouteau. Wednesday, 7:15-9:00; Room 314.

GERMAN

LOWER-DIVISION COURSE

GL 1, 2, 3. **First Course in German.** 3 hours each term.
Essentials of grammar. Pronunciation, simple composition, and conversation. Reading of easy German prose and poetry. Apsler. Thursday, 6:45-9:25; Room 317.

RUSSIAN

LOWER-DIVISION COURSES

AL 11a, 11b, 12a. **First Course in Russian.** 2 hours each term.
An introduction to the Russian language. Simple translation, grammar, conversation, composition. Krovishin. Monday, 7:15-9:00; Room 116.

AL 12b, 13a, 13b. **Second Course in Russian.** 2 hours each term.

Rapid review of elementary Russian. Emphasis on simple conversation and easy reading. Conducted as far as possible in Russian. Krivoshein. Wednesday, 7:15-9:00; Room 317.

SPANISH

LOWER-DIVISION COURSES

RL 11a, 11b, 12a. **First Course in Spanish.** 2 hours each term.

Translation of common prose, conversation, composition, and grammar. Section I, Herman. Monday, 7:15-9:00; Room 309. Section II, Pouteau. Monday, 7:15-9:00; Room 204.

RL 12b, 13a, 13b. **Second Course in Spanish.** 2 hours each term.

A rapid review of grammar, advanced work in syntax, writing of short essays, and reading. Conversational exercises based upon easy Spanish narrative prose. Conducted as far as possible in Spanish. Young. Thursday, 7:15-9:00; Room 116.

UPPER-DIVISION COURSE

RL 347, 348, 349. **Spanish Composition and Conversation.** 2 hours each term.

Presupposes knowledge of Spanish grammar. Conducted as far as possible in Spanish. The difficulty of the conversation will increase as the course progresses. Young. Wednesday, 7:15-9:00; Room 116.

GENERAL STUDIES

PORTLAND CENTER ADVISER: DR. HENRY E. STEVENS. UNIVERSITY COMMITTEE: DR. E. H. MOORE, CHAIRMAN. STATE COLLEGE COMMITTEE: DR. W. H. DRESEN, 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.

UPPER-DIVISION COURSES

Geo 428. **Geography of the Pacific.** 3 hours spring term.

Physical geography and natural resources of the Pacific region; social, economic, and political problems related to the geography of the region. Tuesday, 6:45-9:25; Room 111.

Geo 429. **Geography of North America.** 3 hours winter term.

Physiography and resources of the continent; outstanding economic, social, and political trends, as influenced by these facts. Tuesday, 6:45-9:25; Room 111.

Geo 430. **Geography of South America.** 3 hours spring term.

Physical, economic, and human geography of the continent; the outstanding economic, social, and political trends in South America, as influenced by these facts. Thursday, 6:45-9:25; Room 111.

Geo 431. **Geography of Asia.** 3 hours winter term.

Physical geography of the continent; the main economic, social, and political problems viewed in relation to geography. Thursday, 6:45-9:25; Room 111.

Geo 432. **Geography of Africa.** 3 hours fall term.

Physical geography of the continent; the main economic, social, and political problems viewed in relation to geography. Tuesday, 6:45-9:25; Room 111.

Geo 433. **Geography of Middle America.** 3 hours fall term.

Physical geography, natural resources, and economic and social developments of Mexico, Central America, and the islands of the Caribbean. Thursday, 6:45-9:25; Room 111.

GEOLOGY

INSTRUCTOR: ALLEN.

UPPER-DIVISION COURSES

G 330. **Life of the Past.** 3 hours spring term.

History of life as recorded in the fossil record; invertebrates studied as illustrations of biological principles and relationships to higher animals. Thursday, 6:45-9:25; Room 105.

G 350. **Rocks and Minerals.** 3 hours fall term.

Descriptive mineralogy, with a study of those identifying properties which make possible the rapid recognition of the common rock-forming and ore minerals. The latter part of the course is devoted to the study of rocks, with particular emphasis on the Oregon types. The course gives opportunity to become acquainted with rocks and minerals without having to meet the requirements of more technical courses. Especially useful to students expecting to teach general science. Thursday, 6:45-9:25; Room 105.

G 352. **Geology of Oregon.** 3 hours winter term.

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. Especially useful to students expecting to teach general science. Thursday, 6:45-9:25; Room 105.

HISTORY

PROFESSOR: JONASSON. INSTRUCTORS: PHILLIPS, POLLARD.

LOWER-DIVISION COURSES

Hst 201, 202, 203. **History of the United States.** 3 hours each term.

From colonial times to the present day. Phillips. Monday, 6:45-9:25; Room 113.

UPPER-DIVISION COURSES

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 1870. Winter: 1870 to 1919. Spring: 1919 to the present. Phillips. Tuesday, 6:45-9:25; Room 113.

Hst 377. **Oregon History.** 2 hours spring term.

A brief survey of the building of civilization in the Oregon Country. Designed to satisfy the requirement for teacher certification. Pollard. Thursday, 7:15-9:00; Room 113.

Hst 446. **Recent Germany.** (G) 3 hours winter term.

The German Empire, the republican experiment, 1918-33, and the National Socialist regime. Jonasson. Wednesday, 6:45-9:25; Room 113.

Hst 447. **Recent Russia.** (G) 3 hours spring term.

The tsarist regime in the late nineteenth century, the revolutions of 1905 and 1917, and the Soviet Union since 1917. Jonasson. Wednesday, 6:45-9:25; Room 113.

Hst 469. **Recent England.** (G) 3 hours fall term.

Recent social, political, economic, and intellectual changes in Great Britain. Jonasson. Wednesday, 6:45-9:25; Room 113.

Hst 487, 488. **American Economic History.** (G) 3 hours each term, fall and winter terms.

All phases of the economic development of the United States. Pollard. Thursday, 6:45-9:25; Room 113.

GRADUATE COURSES

Hst 501. **Research.** Terms and hours to be arranged.

Jonasson, Pollard.

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

Jonasson, Pollard.

See also:

Hst 377. **Oregon History** (under In-Service Training Courses).

HOME ECONOMICS

INSTRUCTORS: BLOOM, JONASSON.

LOWER-DIVISION COURSES

HAd 222. **Family Relationships.** 2 hours spring term.

Designed to help individuals understand problems of courtship and marriage, including mate choice, engagement, relationships between husband and wife, parent and child, and relationships between children. The family's contribution to personality development, the role of the family in a democratic society, and factors that make for success in family life. Jonasson. Wednesday, 7:15-9:00; Room 105.

CT 231. **Home Furnishing.** 2 hours spring term.

Aims to develop appreciation of beauty and suitability in home furnishings; materials and processes involved. Elective for students other than majors in home economics.

UPPER-DIVISION COURSES

HAd 340a, 340b. **Home Management.** 2 hours each term, fall and winter terms.

Problems that arise in management of a home, with emphasis on management of money, time, and energy in relation to family living. Jonasson. Wednesday, 7:15-9:00; Room 105.

HAd 423. **Parent Education.** 2 hours winter term.

Methods and content in parent education—a course for professional and lay persons who are interested in helping parents to understand and to do effectively the job of parenthood. Bloom. Thursday, 7:15-9:00; Room 309.

HORTICULTURE

PROFESSOR: BOUQUET.

LOWER-DIVISION COURSE

Hrt 111. **Home Horticulture.** 2 hours winter term.

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 104.

IN-SERVICE TRAINING COURSES

ASSISTANT PROFESSOR: CAUGHLAN. INSTRUCTORS: BARR, DeBERNARDIS, ERNST, FENN, GILMORE, HALVORSEN, HENRIKSEN, HOEL, LONG, MEEK, PINCKNEY, SMITH, SPALDING, WOLF, ZOLLINGER.

The following courses have been arranged in cooperation with the Portland Public Schools for the in-service training of Portland teachers. They are also open to qualified students who are not employed in the Portland schools. The classes, with two exceptions, are held from 4:30 to 6:15 on Tuesday afternoons at U. S. Grant High School, 2245 Northeast 36th Avenue.

EDUCATION

UPPER-DIVISION COURSES

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

Analysis of the Oregon school system and the laws on which the system is based. Problems of Oregon schools, plans proposed for their solution, and trends in educational development within the state. Meek. Room 232, Grant High School.

Ed 408e. **Methods and Materials in Industrial Arts and Vocational Classes.** 2 hours fall term.

Evaluation of vocational instruction. Principles of evaluating vocational instruction in shop or related classes. Factors for determining effectiveness of instruction either by instructor or supervisor, including class work and practical trade testing. Henriksen. Grant High School.

Ed 435a, 435b. **Visual Aids to Instruction.** 2 hours each term, fall and winter terms.

Demonstration of the use of teaching aids, including slides, film strips, motion pictures, exhibits, and transcriptions. Instruction in the utilization of audio-visual aids, operation of equipment, and preparation and evaluation of materials. DeBernardis. Room 115, Grant High School.

Ed 445a, 445b. **Teaching of Art.** 2 hours each term, fall and winter terms.

A teachers' workshop. The possibilities for art development in a unified curriculum. Actual experience on how to use materials, how to think about art, and how best to use art. Halvorsen. Jane Addams High School.

Ed 451. **Workshop for Radio Coordinators.** 2 hours fall term.

A survey of problems, methods, and techniques of utilization and production of radio programs. Gilmore. KBPS Studio, Benson Polytechnic High School.

Ed 459. **Advanced Intermediate-Grade Education.** (G) 2 hours fall term.

Planned for experienced teachers on the intermediate level. Effectiveness of

techniques; materials and their evaluation; solving problems growing out of actual experience. Opportunity for special individual and group study in chosen areas of the primary school. Improvement of instructional methods. Caughlan. Grant High School.

- Ed 469. Advanced Upper-Grade Education.** (G) 2 hours winter term.
Planned for experienced teachers specializing at the upper-grade level. Evaluation of techniques and materials in relation to the characteristics of the adolescent pupil. Opportunity for individual and group study in chosen subject-matter areas and for solution of problems growing out of teaching experience. Caughlan. Grant High School.
- Ed 474a, 474b. Basic Course in School Supervision.** (G) 2 hours each term, fall and winter terms.
Purpose and plans for supervision, use of tests, diagnosis of pupil difficulty, etc., as applied to both elementary and secondary schools. The course is intended for elementary-school principals, secondary-school principals, supervisors, and teachers aspiring to these positions. Prerequisite: Ed 311, 312, 313 or teaching experience. Ed 474a may be taken alone but is a prerequisite for Ed 474b. Spalding, Long. Library, Grant High School.
- Ed 478. Improvement of Instruction in Reading.** 2 hours fall term.
Planned to provide an intensive study of the classroom teacher's responsibility in the teaching of reading in all of the elementary grades. General plans developed for teaching children of a given grade as a class unit. Attention directed to teaching smaller groups which compose the unit, such as the mentally and scholastically accelerated, the slow learner and the scholastically retarded, the neglected and unadjusted, and children with minor physical handicaps. Stress placed on readiness at each level; the use of phonics, children's interests, selection of material, and diagnostic and remedial procedures for classroom use. Fenn. Room 110, Grant High School.
- Ed 482a, 482b. Intercultural Education.** (G) 2 hours each term, fall and winter terms.
Provides an opportunity for cooperative study of intercultural relations, particularly in Portland, and their application to the teaching situation. Consideration of the background of intercultural problems. Application of the democratic process in preparation of instructional plans and materials. Portland teachers who attended workshops at the University of Chicago and Mills College will act as consultants for the committees. Wolf. Room 111, Grant High School.
- Ed 487a, 487b. Unit Construction.** (G) 2 hours each term, fall and winter terms.
The aims, selection, and organization of units of work; how to plan and teach a unit; practical methods of teaching unified and correlated types of programs; individualized study and procedure; effective use of textbooks and teaching aids. For elementary and secondary teachers. Ed 487a may be taken alone but is a prerequisite for Ed 487b. Class limited to 30. Pinckney. Room 109, Grant High School.

ENGLISH

UPPER-DIVISION COURSE

- Eng 348. Poetry Appreciation in the Curriculum.** 2 hours fall term.
Study of available materials for the classroom, development of objectives in teaching poetry, and suggestions for desirable experiences to build appreciation. Some study of correlated subjects such as reading, discussion, creative expression, and choral reading. Zollinger. Room 114, Grant High School.

JOURNALISM

HISTORY

UPPER-DIVISION COURSE

- Hst 377. Oregon History.** 2 hours fall term.
General survey of discovery, exploration, and development of the Oregon Country; fur trade, immigration, government, transportation, industry, and agriculture. Required for teacher's certificate in Oregon. Stephen Smith. Room 232, Grant High School.

MATHEMATICS

LOWER-DIVISION COURSE

- Mth 211. Foundations of Mathematics.** 2 hours fall term.
Foundation material of building fundamental concepts; the real meaning of mathematics; social uses and relationships; mathematical principles; grade placement of content materials; development of problem-solving ability and proficiency in the fundamental skills of mathematical processes. Hoel. Room 120, Grant High School.

MUSIC

LOWER-DIVISION COURSE

- Mus 127. Music Appreciation.** 2 hours fall term.
A nontechnical study of the development of music, stressing the elements of musical understanding; study of representative compositions with emphasis on their musical and historical significance. Designed for elementary teachers and secondary teachers who teach music at the ninth-grade level. Ernst. Room 223, Grant High School.

SOCIOLOGY

UPPER-DIVISION COURSE

- Soc.420. Social Control (Propaganda as Public Education).** 2 hours fall term.
Propaganda, its psychology and educational techniques in press, radio, motion picture, business, politics, and social relations. The psychology of the individual which makes him susceptible to propaganda; the seven typical devices used by propagandists. Methods of training pupils to guard against pitfalls in propaganda. Barr. Room 108, Grant High School.

JOURNALISM

PROFESSOR: POWERS.

UPPER-DIVISION COURSES

- J 421, 422. Articles and Features.** 2 hours each term, fall and winter terms.
Writing magazine and Sunday articles. Literary markets for nonfiction material. The use of photography, drawings, diagrams, and maps. Students are expected to sell some of their products. Prerequisite: consent of instructor. Tuesday, 7:15-9:00; Room 112.

LANDSCAPE ARCHITECTURE

INSTRUCTOR: GERKE.

LOWER-DIVISION COURSE

- L.A 277. Planning Home Grounds.** 2 hours fall term.
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 104.

MATHEMATICS

INSTRUCTOR: PRICE.

LOWER-DIVISION COURSES

Mth 101, 102, 103. Elementary Analysis. 4 hours each term.

Graphic processes; fundamentals of differential and integral calculus, trigonometry, analytic geometry; some methods of college algebra. Practical problems. Basic course for statistics, engineering, and scientific work. Prerequisite: high-school algebra. Monday and Wednesday, 7:15-9:00; Room 104.

See also:

Mth 211. Foundations of Mathematics (under In-Service Training Courses).

MUSIC

INSTRUCTOR: DIETRICH.

LOWER-DIVISION COURSES

Mus 111a, 111b, 112a. Theory I. 2 hours each term.

Thorough ground work 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. Tuesday, 7:15-9:00; Room 110.

Mus 127, 128, 129. Appreciation of Music. 2 hours each term.

A nontechnical study of the development of music, stressing the elements of musical understanding; study of representative compositions, with emphasis on their musical and historical significance. Friday, 7:00-8:45; Music Room, Central Library.

See also:

Mus 127. Appreciation of Music (under In-Service Training Courses).

NURSING EDUCATION

ASSISTANT PROFESSOR: NICHOLSON.

Nur 450. Technique of Ward Administration. 3 hours fall and spring terms.

Responsibilities of the head nurse in ward management, teaching, and supervision. Tuesday, 6:30-9:00; Room B, Central Library.

NUTRITION

INSTRUCTOR: BARRS.

UPPER-DIVISION COURSE

Nur 327a, 327b, 327c. Nutrition. 2 hours each term.

Provides an understanding of the basis of nutrition and the principles involved in maintaining good nutrition. The course includes a discussion of sources, nu-

tritive values, and utilization of fats, carbohydrates, and proteins. Functions of vitamins and minerals in the body. Diet calculations and appraisal. Friday, 7:00-8:45; Room F, Central Library.

PHYSICAL EDUCATION

INSTRUCTORS: LENSCH, MARCO.

LOWER-DIVISION COURSES

PE 225a, 225b. Physical-Education Activities (Modern Dance). 1 hour each term, fall and winter terms.

Body movements, developing from the simple techniques of walking and running into the more complicated movements of individuals within a group and against a group. The personal experiences of members of the class determines the thematic materials for the term's work. Lensch. Monday, 7:15-9:00; Gymnasium.

UPPER-DIVISION COURSES

Nur 370. Home Nursing. 2 hours fall term.

The course will follow the outline and meet all requirements for the standard Red Cross home-nursing course. To receive credit the student must pass the examination for the Red Cross home-nursing certificate. Marco. Wednesday, 7:15-9:00; Room 309.

PE 507. Seminar. Human Anatomy. 3 hours fall term.

Gross anatomy; the skeletal and muscular structure, the circulatory, respiratory, digestive, and neural systems, and their functioning in physical activities. Wednesday, 6:45-9:25; Room 107.

PE 507. Seminar: Kinesiology. 3 hours winter term.

Body mechanics, applied to calisthenics, gymnastics, and athletics. Wednesday, 6:45-9:25; Room 107.

PE 507. Seminar: Physiology of Exercise. 3 hours spring term.

Physiological effects of muscular exercises, physical conditioning, and training. Significance of these effects for health and for performance in activity programs. Wednesday, 6:45-9:25; Room 107.

PHYSICS

INSTRUCTOR: HELLER.

LOWER-DIVISION COURSES

Ph 201, 202, 203. General Physics. 3 hours each term.

Mechanics, sound, heat, light, electricity, and magnetism. Lecture, Monday, 7:15-9:00; Room B. Laboratory, Wednesday, 7:15-9:00; Room C.

PSYCHOLOGY

INSTRUCTORS: HASKINS, ROEDER, WILCOX.

LOWER-DIVISION COURSES

Psy 201, 202. General Psychology. 3 hours each term, fall and winter terms.

Introductory study of behavior and conscious processes. Survey of experimental studies with reference to motivation, learning, thinking, perceiving, and in-

dividual differences. Scientific approach to problems of personal and social adjustment. Wilcox. Wednesday, 6:45-9:25; Room 110.

Psy 201, 202. **General Psychology.** 3 hours each term, winter and spring terms.

See description above. Wilcox. Monday, 6:45-9:25; Room 115.

Psy 202. **General Psychology.** 3 hours fall term.

Continuation of summer-session course. Wilcox. Monday, 6:45-9:25; Room 115.

Psy 204. **Psychology of Adjustment.** 3 hours spring term.

The nature and origins of differences in personality; means of making desired changes. Prerequisite: Psy 201, 202. Wilcox. Wednesday, 6:45-9:25; Room 110.

UPPER-DIVISION COURSES

Psy 413. **Abnormal Psychology.** (G) 3 hours fall term.

Various forms of unusual behavior, including anxiety states, hysteria, hypnotic and spiritualistic phenomena, and the major psychoses. Normal motives and adjustment mechanisms as they are exaggerated in the behavior of the so-called neurotic person. Prerequisite: Psy 201, 202. Haskins. Thursday, 6:45-9:25; Room 205.

Psy 431, 432. **Clinical Methods in Psychology.** (G) 3 hours each term, fall and winter terms.

Administering, scoring, and interpreting individual and group tests of intelligence, special aptitude, and personality. Essential statistical procedures. Training in diagnosis of actual cases. Prerequisite: Psy 201, 202 and consent of instructor. Roeder. Tuesday, 6:45-9:25; Room 205.

Psy 433. **Counseling Procedures.** (G) 3 hours spring term.

Counseling problems of various types. Methods of interviewing for different purposes. Sources of vocational information. Diagnosis of individual cases; emphasis on use of projective techniques and interpretation of test results. Evaluation of counseling programs. Opportunities for field work. Prerequisite: Psy 431, 432. Roeder. Tuesday, 6:45-9:25; Room 205.

PUBLIC HEALTH

PROFESSORS: SEARS, WEINZIEL. ASSOCIATE PROFESSOR: MOORHEAD. INSTRUCTOR: VEAZIE.

UPPER-DIVISION COURSES

Bac 348a, 348b, 349. **Bacteriology and Communicable Diseases.** 2 hours each term.

A study of the general characteristics of bacteria and other living disease agents, followed by a discussion of the microbiology of the principal communicable diseases of man. Sears. Tuesday, 7:15-9:00; Room 317.

Bac 350. **Public Health.** 2 hours winter term.

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. Weinzirl. Thursday, 7:15-9:00; Room 205.

Bac 351a, 351b, 351c. **General Microbiology Laboratory.** 1 hour each term.

An introductory laboratory study of the morphological and cultural characteristics of bacteria, with special emphasis on the microorganisms causing

human disease. Bac 348a, 348b, 349 must be taken in conjunction with this course. Veazie. Thursday, 7:15-9:15; Bacteriology Laboratory, third floor, Medical School. Laboratory fee, \$3.00 each term.

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. One term devoted to the study of animal parasites. Prerequisite: Bac 351 or equivalent. Veazie. Tuesday, 7:15-9:15; Bacteriology Laboratory, third floor, Medical School. Laboratory fee, \$3.00 each term.

GRADUATE COURSE

PH 507. **Social-Hygiene Education Seminar.** 3 hours winter term.

Related aspects of reproduction, marriage and family life, and venereal-disease control. The lecture topics will include: anatomy, physiology, and reproduction; venereal disease; adolescence; marriage and family life; preparation for marriage. For teachers, counselors, school administrators, and others; integration of social-hygiene education in Oregon health-instruction courses, grades 7 to 12. Prerequisite: consent of instructor. Moorhead. Monday, 6:30-9:00; Room H, Central Library.

PUBLIC SPEAKING

(See English—Speech and Drama)

SCIENCE

(See Chemistry, Geology, Physics, Zoology)

SOCIOLOGY

PROFESSOR: SMITH. ASSISTANT PROFESSOR: PARSONS. INSTRUCTORS: ARGOW, DUNBAR.

LOWER-DIVISION COURSES

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

Analysis of social organization and culture; social changes and movements as affected by culture and by biological and physical environmental factors. Smith. Monday, 6:45-9:25; Room 205.

UPPER-DIVISION COURSES

Soc 337. **Problems of Child Welfare.** 3 hours fall term.

The social development of the child in his formative environment; child labor, juvenile delinquency; the changing social and legal status of the child, the child-welfare movement; current and proposed policies. Parsons. Friday, 6:30-9:00; Room D, Central Library.

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

The nature of crime, with specific reference to the causative factors involved; visits to penal and rehabilitative institutions required. Prerequisite: general sociology or general psychology, or consent of instructor. Argow. Thursday, 6:45-9:25; Room 217.

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

Theories underlying punishment. The role of the police and the courts. The history of penal treatment. A comparative approach to recent penal develop-

ments in America, Europe, and Asia. The professionalization of the penal service. Prerequisite: general sociology or consent of instructor. Argow. Thursday, 6:45-9:25; Room 217.

Soc 417. Juvenile Delinquency. (G) 3 hours spring term.

Nature and extent of delinquent behavior; contributing factors; current preventive programs and rehabilitating agencies. Prerequisite: general sociology or consent of instructor. Argow. Thursday, 6:45-9:25; Room 217.

Soc 424. Methods of Social Work. 3 hours winter term.

Introduction to social work for students with professional interests; history of social work and current philosophies; the fields of case work, group work, community organization, and social action; qualifications for and training of social workers. Parsons. Friday, 6:30-9:00; Room D, Central Library.

Soc 431. Community Organization. (G) 2 hours winter term.

Social factors affecting urban and rural communities; methods of analyzing community needs; the problem of interrelating the work of public and private agencies, and methods of mobilizing community resources to meet these needs; social agencies in relation to the local community; urban and rural communities and their types of organization and change. Dunbar. Monday, 7:15-9:00; Room F, Central Library.

Soc 433. Sociology of the City. (G) 3 hours spring term.

Problems arising from the concentration of population under the complex conditions of modern urban life. Origin and development of cities; social and political approaches to the concept of the city; principles of city growth. Prerequisite: general sociology or consent of instructor. Parsons. Friday, 6:30-9:00; Room D, Central Library.

See also:

Soc 420. Social Control (Propaganda as Public Education) (under In-Service Training Courses).

GRADUATE COURSES

Soc 501. Research. Terms and hours to be arranged.

Parsons. Saturday, 9:15-11:00 a.m.; Room D, Central Library.

Soc 505. Reading and Conference. Terms and hours to be arranged.

Parsons. Saturday, 9:15-11:00 a.m.; Room D, Central Library.

ZOOLOGY

PROFESSORS MACNAB. INSTRUCTOR: FOULK.

LOWER-DIVISION COURSES

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; a general survey of structures and functions, foundations of reproduction, development, and inheritance, and interrelations and distribution of animal life. Lecture, Macnab. Monday, 7:15-9:00; Room 317. Laboratory, Foulk. Wednesday, 7:15-9:00; Room 316. Laboratory fee, \$3.00 each term.

Schedule of Classes

LINCOLN HIGH SCHOOL

1620 Southwest Park Avenue

MONDAY

Course, Term, Instructor	Time	Room
BUSINESS ADMINISTRATION		
BA 111,112, 113. Constructive Accounting (F,W,S) Skelton	7:15-9:00	106
BA 112b,113a,113b. Constructive Accounting II (F,W,S) Janney	7:15-9:00	108
BA 414a,414b. Personnel Management (F,W) Williams	7:15-9:00	217
BA 446. Practical Advertising (F,W)	7:15-9:00	107
BA 479. Casualty Insurance (F) Stoddard	7:15-9:00	211
EDUCATION		
Ed 507. Seminar: Elementary Curriculum (F) Caughlan	7:15-9:00	105
Ed 507. Seminar: Administration of Elementary Schools (W) Caughlan	7:15-9:00	105
Ed 507. Seminar: Supervision of Elementary Schools (S) Caughlan	7:15-9:00	105
ENGINEERING		
GE 102b,103a,103b. Engineering Problems (F,W,S) Guldemann	7:00-9:00	301
ENGLISH		
Eng 201,202,203. Shakespeare (F,W,S) Parsons	6:45-9:25	114
Eng 270. The Ballad (S) Alderson	6:45-9:25	211
Eng 450. Pope (G) (W) Alderson	6:45-9:25	211
Rht 114,115,116. Vocabulary Building (F,W,S) Collier	7:15-9:00	203
Rht 314a,314b,315. Criticism (F,W,S) Powers	7:15-9:00	112
SD 220. Fundamentals of Broadcasting (F) Mears	7:15-9:00	110
SD 221. Radio Workshop (W) Mears	7:15-9:00	110
SD 244,245,246. Theater Workshop (F,W,S) Black	7:30-9:30	Civic Theatre
SD 338. Radio Program Production (S) Mears	7:15-9:00	110
FOREIGN LANGUAGES		
AL 11a,11b,12a. First Course in Russian (F,W,S) Krivoshein	7:15-9:00	116
RL 2b,3a,3b. Second Course in French (F,W,S) Beattie	7:15-9:00	314
RL 11a,11b,12a. First Course in Spanish (F,W,S) Herman	7:15-9:00	309
RL 11a,11b,12a. First Course in Spanish (F,W,S) Pouteau	7:15-9:00	204
HISTORY		
Hst 201, 202,203. History of the United States (F,W,S) Phillips	6:45-9:25	113
MATHEMATICS		
Mth 101,102,103. Elementary Analysis (F,W,S) Price	7:15-9:00	104
PHYSICAL EDUCATION		
PE 225a,225b. Physical-Education Activities (Modern Dance) (F,W) Lensch	7:15-9:00	Gym
PHYSICS		
Ph 201,202,203. General Physics lecture (F,W,S) Heller	7:15-9:00	B
PSYCHOLOGY		
Psy 201,202. General Psychology (W,S) Wilcox	6:45-9:25	115
Psy 202. General Psychology (F) Wilcox	6:45-9:25	115
SOCIOLOGY		
Soc 204,205,206. General Sociology (F,W,S) Smith	6:45-9:25	205
ZOOLOGY		
Z 201,202,203. General Zoology lecture (F,W,S) Macnab	7:15-9:00	317

TUESDAY

BUSINESS ADMINISTRATION		
BA 03. Managing a Small Business (S) Ballaine	7:15-9:00	106
BA 222. Elements of Finance (F,W) Ballaine	7:15-9:00	106
BA 471,472,473. Foreign-Trade Technique (F,W,S) Lomax	6:45-9:25	314
BA 483,484,485. Accounting Theory and Practice (F,W,S) Janney	7:15-9:00	108
ECONOMICS		
Ec 441a,441b,442. International Economic Policies (G) (F,W,S) Munk	7:15-9:00	115

Course, Term, Instructor	Time	Room
EDUCATION		
Ed 431. Construction and Use of Visual Aids (G) (W) Reid	7:15-9:00	116
Ed 473. Basic Course in School Administration (G) (F) Wood	6:45-9:25	103
Ed 475. Measurement in Education (G) (S) Wood	6:45-9:25	103
Ed 485. Foundations of Curriculum (G) (W) Wood	6:45-9:25	103
Ed 493. Guidance and Personnel Practices (G) (F) Williamson	7:15-9:00	107
Ed 494. Counseling (G) (W) Sherburne	7:15-9:00	107
Ed 507. Seminar: Counseling and Case Studies (S) Salsar	7:15-9:00	107
ENGLISH		
Eng 434a,434b,435. English Drama (F,W,S) Parsons	7:15-9:00	114
Rht 111,112,113. English Composition (F,W,S) Collier	6:45-9:25	203
Rht 112,113. English Composition (F,W) Litchfield	6:45-9:25	309
Rht 117,118,119. Good Usage in Speech and Writing (F,W,S) Albertson	7:15-9:00	204
Rht 217. Business English (S) Litchfield	6:45-9:25	104
SD 337. Radio Script Writing (S) Powers	7:15-9:00	112
SD 341,342,343. Technique of Acting (F,W,S) Smith	7:15-9:00	217
FOREIGN LANGUAGES		
RL 1a,1b,2a. First Course in French (F,W,S) Beattie	7:15-9:00	206
GEOGRAPHY		
Geo 428. Geography of the Pacific (S) Newhouse	6:45-9:25	111
Geo 429. Geography of North America (W) Newhouse	6:45-9:25	111
Geo 432. Geography of Africa (F) Newhouse	6:45-9:25	111
HISTORY		
Hst 341,342,343. Europe Since 1815 (F,W,S) Phillips	6:45-9:25	113
HORTICULTURE		
Hrt 111. Home Horticulture (W) Bouquet	7:15-9:00	104
JOURNALISM		
J 421,422. Articles and Features (F,W) Powers	7:15-9:00	112
LANDSCAPE ARCHITECTURE		
LA 277. Planning Home Grounds (F) Gerke	7:15-9:00	104
MUSIC		
Mus 111a, 111b, 112a. Theory I (F, W, S)	7:15-9:00	110
PSYCHOLOGY		
Psy 341,342. Clinical Methods in Psychology (G) (F,W) Roeder	6:45-9:25	205
Psy 433. Counseling Procedures (G) (S) Roeder	6:45-9:25	205
PUBLIC HEALTH		
Bac 348a,348b,349. Bacteriology and Communicable Diseases (F,W,S) Sears	7:15-9:00	317
Bac 352a,352b,352c. Medical Bacteriology and Parasitology (F,W,S) Veazie	7:15-9:15	Medical School
WEDNESDAY		
ANTHROPOLOGY		
Anth 411,412,413. Problems of Race and Culture (F,W,S) Merz	6:45-9:25	204
ART		
AA 296. Lower-Division Applied Design (Metalwork) Igner	4:00-6:00	Kraemer Bldg.
BUSINESS ADMINISTRATION		
BA 111,112,113. Constructive Accounting (F,W,S) Skelton	7:15-9:00	106
BA 416,417,418. Business Law (F,W,S) Collier	7:15-9:00	203
BA 490,491,492. Advanced Accounting Theory and Practice (F,W,S) Janney	7:15-9:00	108
BA 493a,493b. Income-Tax Procedure (F,W) Pattullo	7:15-9:00	115
CHEMISTRY		
Ch 101,102,103. Elementary General Chemistry lecture (F,W,S) Todd	6:30-8:30	Medical School
ECONOMICS		
Ec 201,202,203. Principles of Economics (F,W,S) Elkinton	6:45-9:25	205
EDUCATION		
Ed 316. Oregon School Law and System of Education (F) Campbell	7:15-9:00	211
Ed 492. Social Education (G) (W) Epler	6:45-9:25	211
ENGLISH		
Eng 431,432,433. Eighteenth-Century Literature (F,W,S) Parsons	6:45-9:25	114
Rht 311,312,313. Advanced Short-Story Writing (F,W,S) Powers	7:15-9:00	217
SD 347, 348, 349. Blue Room Players (F,W,S) Smith; Marye	7:15-9:00	112

Course, Term, Instructor	Time	Room
FOREIGN LANGUAGES		
AL 12b,13a,13b. Second Course in Russian (F,W,S) Krivoshein	7:15-9:00	317
RL 314,315,316. French Composition and Conversation (F,W,S) Pouteau	7:15-9:00	314
RL 347,348,349. Spanish Composition and Conversation (F,W,S) Young	7:15-9:00	116
HISTORY		
Hst 446. Recent Germany (G) (W) Jonasson	6:45-9:25	113
Hst 447. Recent Russia (G) (S) Jonasson	6:45-9:25	113
Hst 469. Recent England (G) (F) Jonasson	6:45-9:25	113
HOME ECONOMICS		
HAd 222. Family Relationships (S) Jonasson	7:15-9:00	105
HAd 339a,339b. Household Management (F,W) Jonasson	7:15-9:00	105
MATHEMATICS		
Mth 101,102,103. Elementary Analysis (F,W,S) Price	7:15-9:00	104
PHYSICAL EDUCATION		
Nur 370. Home Nursing (F) Marco	7:15-9:00	309
PE 507. Seminar: Human Anatomy (F)	6:45-9:25	107
PE 507. Seminar: Kinesiology (W)	6:45-9:25	107
PE 507. Seminar: Physiology of Exercise (S)	6:45-9:25	107
PHYSICS		
Ph 201,202,203. General Physics laboratory (F,W,S) Heller	7:15-9:00	C
PSYCHOLOGY		
Psy 201,202. General Psychology (F,W) Wilcox	6:45-9:25	110
Psy 204. Psychology of Adjustment (S) Wilcox	6:45-9:25	110
ZOOLOGY		
Z 201,202,203. General Zoology laboratory (F,W,S) Foulk	7:15-9:00	316
THURSDAY		
ART		
AA 414a,414b,415. Art Education (F,W,S) Halvorsen	7:15-9:00	301
BUSINESS ADMINISTRATION		
BA 111a,111b,112a. Constructive Accounting I (F,W,S) Skelton	7:15-9:00	106
BA 428,429,430. Human Relations in Supervision (G) (F,W,S) Campbell	7:15-9:00	204
CHEMISTRY		
Ch 101,102,103. Elementary General Chemistry laboratory (F,W,S) Thompson	6:30-10:00	Medical School
ECONOMICS		
Ec 337. Economics of Transportation (F,W) Mater	7:15-9:00	108
EDUCATION		
Ed 472. Basic Course in School Organization (G) (F) Bennett	6:45-9:25	206
Ed 474. Basic Course in School Supervision (G) (S) Parr	6:45-9:25	206
Ed 481. Alcohol Studies in the School Curriculum (G) (F) Pinckney	6:45-9:25	309
Ed 507. Seminar: School Finance (W) Cramer	6:45-9:25	206
ENGINEERING		
GE 101,102,103. Engineering Problems (F,W,S) Comfort; Guldemann	7:00-9:00	315
ENGLISH		
Eng 101,102,103. Survey of English Literature (F,W,S) Parsons	6:45-9:25	114
Eng 248,249,250. Children's Theater (F,W,S) Lehman	7:15-9:00	107
Rht 111,112, 113. English Composition (F,W,S) Litchfield	6:45-9:25	104
Rht 217. Business English (F) Collier	6:45-9:25	203
SD 130,131. Extempore Speaking (W,S) Collier	6:45-9:25	203
SD 141,142,143. Voice and Diction (F,W,S) Churchill	7:15-9:00	110
FOREIGN LANGUAGES		
GL 1,2,3. First Course in German (F,W,S) Apsler	6:45-9:25	317
RL 12b,13a,13b. Second Course in Spanish (F,W,S) Young	7:15-9:00	116
GEOGRAPHY		
Geo 430. Geography of South America (S) Newhouse	6:45-9:25	111
Geo 431. Geography of Asia (W) Newhouse	6:45-9:25	111
Geo 433. Geography of Middle America (F) Newhouse	6:45-9:25	111
GEOLOGY		
G 330. Life of the Past (S) Allen	6:45-9:25	105
G 350. Rocks and Minerals (F) Allen	6:45-9:25	105
G 352. Geology of Oregon (W) Allen	6:45-9:25	105
HISTORY		
Hst 377. Oregon History (S) Pollard	7:15-9:00	113
Hst 487,488. American Economic History (G) (F,W) Pollard	6:45-9:25	113

Course, Term, Instructor	Time	Room
HOME ECONOMICS		
HAd 423. Parent Education (W) Bloom	7:15-9:00	309
PSYCHOLOGY		
Psy 413. Abnormal Psychology (G) (F) Haskins	6:45-9:25	205
PUBLIC HEALTH		
Bac 350. Public Health (W) Weinzirl	7:15-9:00	205
Bac 351a,351b,351c. General Microbiology laboratory (F,W,S) Veazie	7:15-9:15	Medical School
SOCIOLOGY		
Soc 415. Criminology (G) (F) Argow	6:45-9:25	217
Soc 416. Penology (G) (W) Argow	6:45-9:25	217
Soc 417. Juvenile Delinquency (W) (S) Argow	6:45-9:25	217

CENTRAL LIBRARY

801 Southwest 10th Avenue

MONDAY

Course, Term, Instructor	Time	Room
PUBLIC HEALTH		
PH 507. Social-Hygiene Education Seminar (W) Moorhead.....	6:30-9:00	H
SOCIOLOGY		
Soc 431. Community Organization (G) (W) Dunbar	7:15-9:00	F

TUESDAY

NURSING EDUCATION		
Nur 450. Technique of Ward Administration (F,S) Nicholson.....	5:30-9:00	B

WEDNESDAY

ENGLISH		
English 264,265,266. Literature of the Modern World (F,W,S) Parsons	4:00-5:45	F

FRIDAY

BUSINESS ADMINISTRATION		
BA 436a,436b. Retail Merchandising (G) (F,W) Comish; Elle	7:00-8:45	H
BA 442. Principles of Salesmanship (G) (S) Comish; Elle.....	7:00-8:45	H
EDUCATION		
Ed 440. History of Education (G) (S) Jewell	6:30-9:00	C
Ed 460. Psychology of Childhood (G) (F) Killgallon	6:30-9:00	C
Ed 512. Research Procedures in Education (F,S) Stevens	6:30-9:00	G
Ed 586. Philosophy of Education (G) (W) Stevens	6:30-9:00	G
ENGLISH		
SD 225,226. Public Speaking for Business and Professional Men and Women (F,W) Collier	7:00-8:45	B
SD 234. Public Discussion (S) Collier	7:00-8:45	B
MUSIC		
Mus 127,128,129. Appreciation of Music (F,W,S) Dietrich.....	7:00-8:45	Music Room
NUTRITION		
Nur 327a,327b,327c. Nutrition (F,W,S) Bahrs	7:00-8:45	F
SOCIOLOGY		
Soc 337. Problems of Child Welfare (F) Parsons	6:30-9:00	D
Soc 424. Methods of Social Work (W) Parsons	6:30-9:00	D
Soc 433. Sociology of the City (G) (S) Parsons	6:30-9:00	D

SATURDAY

EDUCATION		
Ed 461. Adolescence: Growth and Development of the Individual (G) (S) Jewell	9:15-11:45 a.m.	C
Ed 561. Advanced Educational Psychology (F) Killgallon	9:15-11:45 a.m.	C
ENGLISH		
Eng 507. Seminar: Elizabethan Drama (G) (F,W,S) Parsons.....	9:15-11:00 a.m.	F
SOCIOLOGY		
Soc 501. Research (F,W,S) Parsons	9:15-11:00 a.m.	D
Soc 505. Reading and Conference (F,W,S) Parsons	9:15-11:00 a.m.	D

GRANT HIGH SCHOOL

2245 Northeast 36th Avenue

TUESDAY

Course, Term, Instructor	Time	Room
EDUCATION		
Ed 316. Oregon School Law and System of Education (W) Meek	4:30-6:15	232
Ed 408e. Methods and Materials in Industrial Arts and Vocational Classes (F) Henriksen	4:30-6:15	
Ed 435a, 435b. Visual Aids to Instruction (F,W) DeBernardis.....	4:30-6:15	115
Ed 445a,445b. Teaching of Art (F,W) Halvorsen	4:30-6:15	Jane Addams
Ed 451. Workshop for Radio Coordinators (F) Gilmore	4:30-6:15	Benson
Ed 459. Advanced Intermediate-Grade Education (G) (F) Caughlan	4:30-6:15	
Ed 469. Advanced Upper-Grade Education (G) (W) Caughlan.....	4:30-6:15	
Ed 474a, 474b. Basic Course in School Supervision (G) (F,W) Spalding; Long.....	4:30-6:15	Library
Ed 478. Improvement of Instruction in Reading (F) Fenn		110
Ed 482a,482b. Intercultural Education (G) (F,W) Wolf	4:30-6:15	111
Ed 487a,487b. Unit Construction (G) (F,W) Pinckney	4:30-6:15	109
ENGLISH		
Eng 348. Poetry Appreciation in the Curriculum (G) Zollinger.....	4:30-6:15	114
HISTORY		
Hst 377. Oregon History (F) Smith	4:30-6:15	232
MATHEMATICS		
Mth 211. Foundations of Mathematics (F) Hoel	4:30-6:15	120
MUSIC		
Mus 127. Music Appreciation (F) Ernst	4:30-6:15	223
SOCIOLOGY		
Soc 420. Social Control (Propaganda as Public Education) (F) Barr	4:30-6:15	108

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