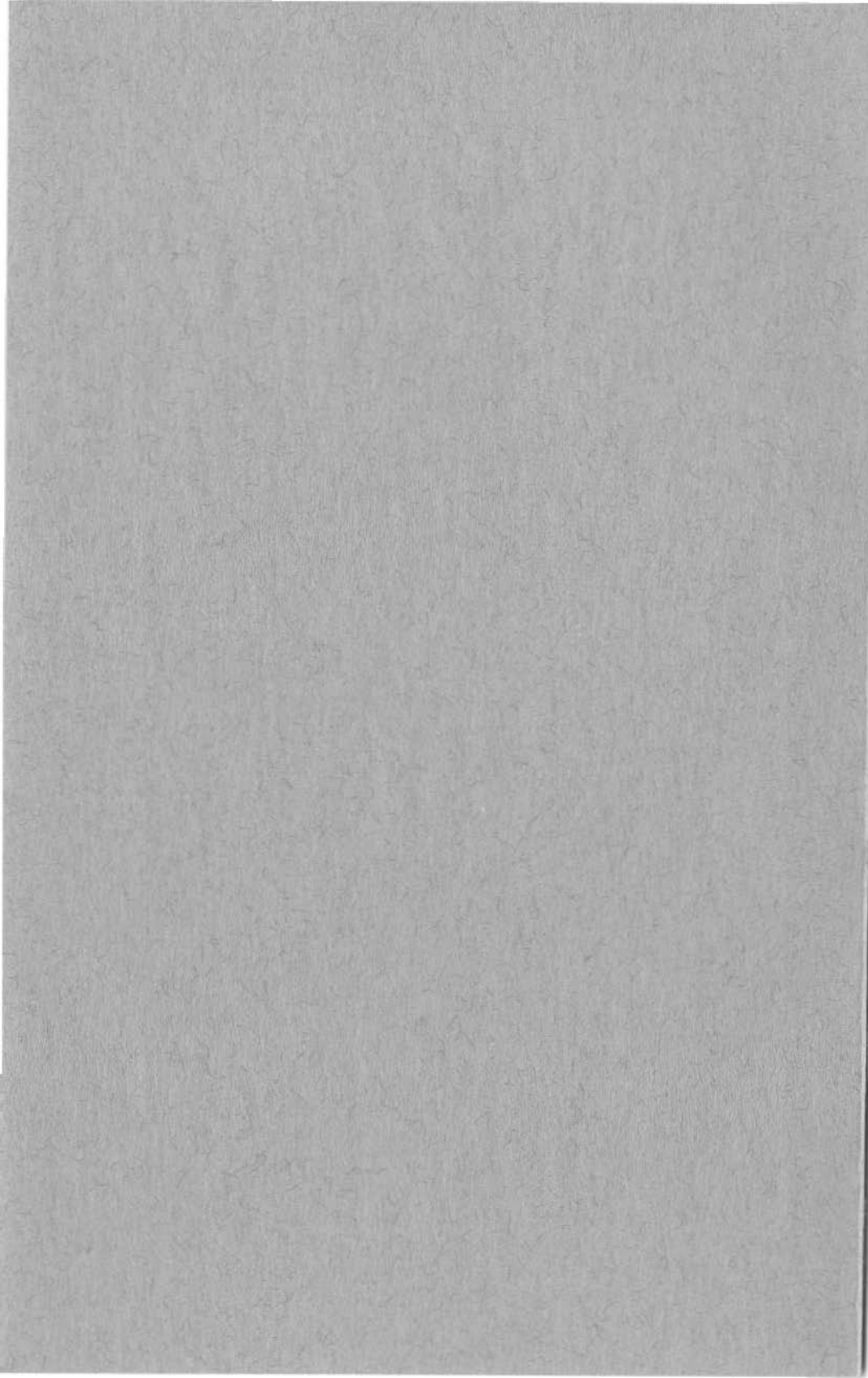


OREGON  
State System of  
Higher Education  
BULLETIN



Portland Extension Center  
Catalog Issue, 1941-42

Portland, Oregon



# PORTLAND EXTENSION CENTER

UNIVERSITY OF OREGON  
OREGON STATE COLLEGE  
OREGON COLLEGES OF EDUCATION

## ANNOUNCEMENTS 1941-42

814 OREGON BUILDING  
PORTLAND, OREGON

## Oregon State System of Higher Education

**T**HE 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, located at six different places in the state, 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 University of Oregon Medical School at Portland, 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.

Each of these institutions, except the Medical School which is on a graduate basis, 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. At the Southern Oregon College of Education and the Eastern Oregon College of Education 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.

At the University and the State College two years of un-specialized work in liberal arts and sciences are provided on a parallel basis in the Lower Division. Beyond the lower-division level the work of the two institutions is distinctly differentiated. At the University are centered the advanced curricula in the arts, letters, and social sciences, and the professional schools resting on these fundamental fields of knowledge. At the State College are centered the advanced curricula in the physical and biological sciences and the professional schools resting on these natural sciences.

## State Board of Higher Education

	Term Expires
BEATRICE WALTON SACKETT, Marshfield.....	1942
C. A. BRAND, Roseburg.....	1943
E. C. SAMMONS, Portland.....	1944
ROBERT W. RUHL, Medford.....	1945
EDGAR W. SMITH, Portland.....	1946
WILLARD L. MARKS, Albany.....	1947
R. C. GROESBECK, Klamath Falls.....	1948
MAC HOKE, Pendleton.....	1949
R. E. KLEINSORGE, Silverton.....	1950

### OFFICERS

WILLARD L. MARKS.....	President
BEATRICE WALTON SACKETT.....	Vice-President

### EXECUTIVE COMMITTEE

WILLARD L. MARKS	E. C. SAMMONS
BEATRICE WALTON SACKETT	

—  
FREDERICK M. HUNTER, Chancellor  
CHARLES D. BYRNE, Secretary  
—

Office of the State Board of Higher Education  
Eugene, Oregon

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## Oregon State System of Higher Education

### Executive Officers

FREDERICK MAURICE HUNTER, Ed.D., LL.D., Chancellor  
 WILLIAM JASPER KERR, D.Sc., LL.D., Chancellor Emeritus

DONALD MILTON ERB, Ph.D. President, University of Oregon	FRANK LLEWELLYN BALLARD, B.S. President, Oregon State College
RICHARD BENJAMIN DILLEHUNT, M.D. Dean, University of Oregon Medical School	CHARLES ABNER HOWARD, M.A., LL.D. President, Oregon College of Education
WALTER REDFORD, Ph.D. President, Southern Oregon College of Education	ROBEN JOHN MAASKE, Ph.D. President, Eastern Oregon College of Education

### Deans and Directors\*

ERIC WILLIAM ALLEN, A.B.....	Dean and Director of Journalism
HERBERT ARNOLD BORK, B.A., C.P.A.....	Comptroller
CLARENCE VALENTINE BOYER, Ph.D.....	Dean and Director of Arts and Letters
CHARLES DAVID BYRNE, Ed.D.....	Director of Information
VERNE VINCENT CALDWELL, Ph.D.....	Dean and Director of General Extension
RICHARD HAROLD DEARBORN, A.B., E.E.....	Dean and Director of Engineering and Industrial Arts
RICHARD BENJAMIN DILLEHUNT, M.D.....	Dean and Director of Medicine; Director of Health Services
JAMES HENRY GILBERT, Ph.D.....	Dean and Director of Social Science
FRANCOIS ARCHIBALD GILFILLAN, Ph.D.....	Dean and Director of Science
CHARLES ABNER HOWARD, M.A., LL.D.....	Director of Elementary Teacher Training
JAMES RALPH JEWELL, Ph.D., LL.D.....	Dean of Education; Director of High School Teacher Training
THEODORE KRATT, Mus.M., Mus.D.....	Dean and Director of Music
OLOF LARSELL, Ph.D., Sc.D.....	Dean and Director of Graduate Division
ELLIS FULLER LAWRENCE, M.S., F.A.I.A.....	Dean and Director of Architecture and Allied Arts
RALPH WALDO LEIGHTON, Ph.D.....	Dean and Director of Physical Education
LUCY MAY LEWIS, A.B., B.L.S.....	Director of Libraries
EARL GEORGE MASON, M.F.....	Acting Dean and Director of Forestry
AVA BERTHA MILAM, M.A.....	Dean and Director of Home Economics
VICTOR PIERPONT MORRIS, Ph.D.....	Dean and Director of Business Administration
WAYNE LYMAN MORSE, LL.B., J.D.....	Dean and Director of Law
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
GENEVIEVE GRIFFITH TURNIPSEED, M.A.....	Director of Dormitories
ADOLPH ZIEFLE, M.S., Phar.D.....	Dean and Director of Pharmacy

\* Each dean and director in this list is interinstitutional in function, and the Chancellor's principal adviser in his field.

PORTLAND EXTENSION CENTER

CALENDAR, 1941-42

Fall Term

September 29-October 4, Monday to Saturday—Classes begin as scheduled  
October 18, Saturday.....Last day for fees (before noon)  
November 11, Tuesday.....Armistice Day, holiday  
November 20-23, Thursday to Sunday.....Thanksgiving vacation  
December 15-20, Monday to Saturday.....Term examinations

Winter Term

January 5-10, Monday to Saturday.....Classes begin as scheduled  
January 24, Saturday.....Last day for fees (before noon)  
March 16-21, Monday to Saturday.....Term examinations

Spring Term

March 30-April 4, Monday to Saturday.....Classes begin as scheduled  
April 18, Saturday.....Last day for fees (before noon)  
May 30, Saturday.....Memorial Day, holiday  
June 8-13, Monday to Saturday.....Term examinations

Summer Session

June 22-July 31

Portland Extension Center  
OREGON STATE SYSTEM OF HIGHER EDUCATION

Faculty

FREDERICK MAURICE HUNTER, Ed.D., LL.D., Chancellor.  
WILLIAM JASPER KERR, D.Sc., LL.D., Chancellor Emeritus.  
DONALD MILTON ERB, Ph.D., President, University of Oregon.  
FRANK LLEWELLYN BALLARD, B.S., President, Oregon State College.  
CHARLES ABNER HOWARD, M.A., LL.D., President, Oregon College of Education;  
Director, Elementary Teacher Training.

VERNE VINCENT CALDWELL, Ph.D., Dean and Director of General Extension;  
Director of Summer Sessions; Professor of Psychology.  
OLOF LARSELL, Ph.D., Dean and Director of Graduate Division.  
EARL MANLEY PALLET, Ph.D., Registrar of the Portland Center.  
MARGARET MORRISON SHARP, Administrative Assistant, Portland Center.

LOUIS BERELSON, Ph.D., Assistant Professor of English; Adviser in General  
Studies; Secretary of Summer Sessions.

A.B. (1930), Whitman; M.A. (1931), California; Ph.D. (1934), Virginia. Administrative  
Assistant (1935-37); Secretary of Summer Sessions (1937-); Adviser in General Studies  
(1938-); Assistant Professor (1941-).

VERNE VINCENT CALDWELL, Ph.D., Dean and Director of General Extension;  
Director of Summer Sessions; Professor of Psychology.  
B.S. (1926), M.S. (1927), University of Idaho; Ph.D. (1933), University of Southern  
California. Faculty, Southern Oregon Normal School (1926-31); Oregon College of  
Education (1932-40). Dean and Director of General Extension (1940-).

PERCY M. COLLIER, B.A., LL.B., Assistant Professor of English.  
B.A. (1911), Oregon; LL.B. (1914), Michigan. Secretary Oregon High School Debating  
League (1929-41); Lecturer (1929-30); Assistant Professor (1930-).

BERNARD HINSHAW, B.A., Associate Professor of Art.  
B.A. (1926), Illinois Wesleyan; Diploma (1930), Art Institute of Chicago. Faculty,  
Illinois Wesleyan (1931-35); Associate Professor (1935-).

EDWARD MASLIN HULME, M.A., Professor of History.  
A.B. (1897), Stanford; M.A. (1902), Cornell. Faculty, Idaho (1902-21); Stanford  
(1921-37); Emeritus Professor of Medieval History, Stanford (1937-); Professor  
(1940-).

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-).

LESTER F. BECK, Ph.D., Associate Professor of Psychology, University of  
Oregon.

FRANK GEES BLACK, Ph.D., Assistant Professor of English, University of Oregon.

RALPH ORVAL COLEMAN, M.A., Professor of Physical Education; Director of Intramural Sports; Head Coach of Baseball, Oregon State College.

NEWELL HOWLAND COMISH, Ph.D., Professor of Business Administration, University of Oregon.

DANIEL DUDLEY GAGE, JR., Ph.D., Associate Professor of Business Administration, University of Oregon.

JOHN TILSON GANOE, Ph.D., Associate Professor of History, University of Oregon.

KENNETH LLEWELLYN GORDON, Ph.D., Associate Professor of Zoology, Oregon State College.

HANCE F. HANEY, Ph.D., M.D., Professor of Physiology; Head of Department, Medical School.

EDWIN THOMAS HODGE, Ph.D., Professor of Economic Geology, Oregon State College.

GLENN WILLIS HOLCOMB, M.S., Professor of Civil Engineering; Chairman of General Engineering, Oregon State College.

JAMES RALPH JEWELL, Ph.D., LL.D., Dean of the School of Education; Professor of Education, Oregon State System.

THEODORE KRATT, Mus.M., Mus.D., Dean of the School of Music; Professor of Music, Oregon State System.

RALPH WALDO LEIGHTON, Ph.D., Dean of the School of Physical Education; Professor of Education, Oregon State System.

IRA A. MANVILLE, M.D., Ph.D., Associate Clinical Professor of Medicine; Director of Nutritional Research Laboratory, Medical School.

ELIZABETH MCKINLEY, M.A., Associate Professor of Nursing Education, Medical School.

ELIZABETH BRIGGS MONTGOMERY, Ph.D., Assistant Professor of Education, University of Oregon.

ARTHUR LEE PECK, B.S., B.A., Professor of Landscape Architecture; Head of Department, Oregon State College.

ALFRED POWERS, B.A., Dean and Director of Division of Creative Writing and Publishing; Professor of Journalism.

WILLIAM CURTIS REID, Ph.D., Instructor in Physics, Oregon State College.

CARL WALTER SALSER, Ed.M., Professor of Education; Head of Department; Head of Placement; Assistant Dean of School of Education, Oregon State College.

HERMAN AUSTIN SCULLEN, Ph.D., Associate Professor of Entomology, Oregon State College.

HARRY JOHNSON SEARS, Ph.D., Professor of Bacteriology, Hygiene, and Public Health; Head of Department of Bacteriology, Medical School.

NICHOLAS P. SULLIVAN, M.S., Graduate Assistant in Bacteriology, Hygiene, and Public Health, Medical School.

CHARLES EDWIN THOMAS, M.M.E., Professor of Engineering Materials, Oregon State College.

ANIBAL VARGAS-BARÓN, M.A., Instructor in Romance Languages, University of Oregon.

EARL CLARK WILLEY, M.S., Assistant Professor of Mechanical Engineering, Oregon State College.

HUGH B. WOOD, Ed.D., Professor of Education, University of Oregon.

WILLIAM B. YOUMANS, Ph.D., Associate Professor of Physiology, Medical School.

SPENCER ALBRIGHT, Ph.D., Lecturer in Political Science, Reed College.

JOHN B. APPLETON, Ph.D., Assistant Director, Northwest Regional Council of Education Planning and Public Administration.

SUZANNE M. BEATTIE, M.A., Instructor in French, Portland Center.

DAVID BEASLEY CAMPBELL, B.M., Instructor in Music, Portland Center.

MARIE CHURCHILL, B.A., Instructor in Drama, Portland Center.

DEAN COLLINS, M.A., Instructor in Drama, Portland Center.

EDNA C. CULVER, B.A., Instructor in English, Portland Center.

AMO DEBERNARDIS, M.S., Supervisor of Visual Education, Portland Public Schools.

CHESTER R. DUNCAN, M.M., Director of Music, Portland Public Schools.

JONATHAN W. EDWARDS M.A., First Assistant Superintendent Portland Public Schools.

WILLIAM K. FERRIER, M.S., Instructor in General Science, Portland Center.

CALVIN B. FOULK, M.A., Instructor in Zoology, Portland Center.

CYRIL K. GLOYN, Ph.D., Professor of Philosophy, Pacific University.

RUTH ELISE HALVORSEN, M.A., Instructor in Art, Portland Center.

LUCILLE F. HILL, M.S., Director of Physical Education for Girls, Grant High School.

CHARLES N. HOLMAN, M.D., Assistant Medical Director, Multnomah County Hospital.

ARTHUR D. JONES, B.S., LL.D., Instructor in Real Estate, Portland Center.

HAZEL KENYON, A.B., Director of Radio, Portland Public Schools.

RANDOLPH T. KUHN, B.A., Instructor in Business Administration, Portland Center.

DOROTHEA M. LENSCH, M.A., Director of Recreation, Portland Bureau of Parks and Public Recreation.

REGINALD IVAN LOVELL, Ph.D., Professor of History; Head of Department, Willamette University.

LEWIS C. MARTIN, Ph.D., Psychologist; Director of Child Study and Special Education, Portland Public Schools.

DONALD MARYE, Director of Portland Civic Theater.

CECIL E. MATSON, M.A., Instructor in Drama, Portland Center.

ELSIE MAXWELL, M.A., Instructor in Home Economics, Portland Center.

MARGARET C. MOREHOUSE, M.A., Instructor in Home Economics, Portland Center.

ANNE M. MULHERON, B.A., Instructor in Library, Portland Center.

DAVID S. PATTULLO, B.A., C.P.A., LL.B., Instructor in Accounting, Portland Center.

CHARLES E. PERRY, M.S., Second Assistant Superintendent, Portland Public Schools.

EMMAJEAN PETERSON, B.S., Instructor in Home Economics, Portland Center.

ELIAS HULL PORTER, Ph.D., Instructor in Psychology, Portland Center.

HENRY F. PRICE, Ph.D., Professor of Mathematics, Pacific University.

EDWARD ERNEST RUBEY, B.A., C.P.A., Instructor in Accounting, Portland Center.

JOHN RYDER, B.S., Instructor in Ceramics, Portland Center.

DORIS SMITH, Instructor in Drama, Portland Center.

RALPH M. SNIDER, B.A., Instructor in Business Administration, Portland Center.

STUART R. STRONG, B.A., C.L.U., Instructor in Life Insurance, Portland Center.

ERIC P. VAN, B.B.A., Resident Manager, Peat, Marwick, Mitchell and Company.

RUSSELL F. WATSON, Vice-President, United States National Bank.

ADOLPH P. WEINZIRL, M.D., F.A.P.H.A., City Health Officer, Portland.

BEATRICE YOUNG, Ph.D., Professor of Romance Languages, Pacific University.

## The Portland Center

**T**HE 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 state colleges of education render services through extension classes, correspondence study, visual instruction, social welfare, municipal activities, short courses, radio, and summer sessions. General extension work in Portland is carried on through the Portland Extension Center.

For the academic year 1941-42 the Portland Center announces 144 evening, late-afternoon, and Saturday morning courses in 32 different departments and professional schools. The work of these classes is of standard college or university grade. The courses are intended for persons who cannot attend college.

The academic year is divided into three terms and a summer session. For 1941-42 the dates are as follows: First term, September 29 to December 20; second term, January 5 to March 21; third term, March 30 to June 13.

The office of the Portland Center is at 814 Oregon Building, Southwest Fifth and Oak Streets. The telephone number is Atwater 2165. Executive details of all Portland classes are handled from this office. The office is open daily from 9:00 a.m. to 5:00 p.m., with the exception of Saturday when it closes at noon. Classes are held in the Lincoln High School Building, 1620 Southwest Park Avenue,

### Admission

**S**INCE the purpose is to serve all who wish to take the courses and who are able to profit by them, no formal requirements for admission are set up, 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 matriculate.

Students in the Portland Center are classified in four academic divisions:

- (1) Students not working for credit—a considerable body of earnest men and women taking either credit or non-credit courses for their cultural and practical value. For these students the only requirement is ability to do the work.
- (2) Students who have not formally filed their credentials with the registrar and are taking work for provisional credit. This may become regular credit upon the formal admission of the student.
- (3) Students formally enrolled for undergraduate credit, who have satisfied the entrance requirements and filed credentials with the registrar of one of the institutions and have received from him a card of admission.
- (4) Those formally enrolled as graduate students.

**Admission to First-Year Standing.** The requirements for admission to first-year or freshman standing 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 shall be 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 will be acceptable, but a minimum of 2 units in a single language will be required if a foreign language is selected. At the 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, necessitating a five-year program to qualify for graduation.

**Admission with Advanced Standing.** Advanced standing is granted to students transferring from other 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 Students

**R**ESIDENT credit in the University of Oregon and Oregon State College may be earned in all Portland courses, unless exception is made, to the extent that these courses meet the requirements of the major schools of the University and the State College.

Under the regulations of the Oregon State System of Higher Education for a degree from the University of Oregon or Oregon State College, a minimum of 45 term hours (normally the last 45) must be taken in residence. This requirement with the approval of the Academic Requirements Committee, may be fulfilled in the Portland Extension Center and the Portland Summer Session.

Credit in the state colleges of education may be earned in the Portland Extension Center. However, for graduation from either the three or four-year course, a minimum of 48 term-hours must be taken in campus residence, the exact amount of work depending upon the alignment of courses previously taken.

Students desiring to work toward degrees should inform themselves concerning all the requirements for the several degrees. They are also 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.

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

**Amount of Work.** The Portland Center limits the amount of work a student may take in any term. The amount may not exceed six term-hours for those who are unable to give their full time to study. High school graduates and others who are able to give full time to study in the Portland Center and who are unable, for financial or other reasons, to enroll in regular work on one of the campuses, may take as many but not to exceed ten term-hours. It is necessary for "ten-hour students" to confer with and secure the approval of an adviser in the Portland Center before registering.

### Fees and Refunds

#### SCHEDULE OF REGISTRATION FEES

Undergraduates.....\$2.50 per credit hour (minimum fee, \$5)

Students register as Undergraduates if they are working toward bachelors' degrees, or if they desire grades.



Graduates.....\$3.00 per credit hour (minimum fee, \$6)

Students register as Graduates if they are taking advanced work, beyond the bachelor's degree.

Auditors.....\$2.00 per credit hour (minimum fee, \$5)

Students register as Auditors in non-credit courses; they also register as Auditors if they wish to attend credit classes without receiving grades.

The registration fee for students who enter classes after the middle of the term and who, of course, cannot receive credit, is \$5 for one or two courses.

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

The registration fee for the fall term will be due not later than *October 18*; for the winter term, *January 24*; for the spring term, *April 18*. A delinquency fee of \$ .50 per week for each week will be charged after these dates. *Registration fees cannot be accepted for any term after the seventh week of that term.*

Registration is not completed 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. No additional notice is given regarding payment of fees.*

#### SCHEDULE OF DELINQUENCY FEES

4th week.....	\$ .50
5th week.....	1.00
6th week.....	1.50
7th week.....	2.00

*Registration fees are not acceptable after the 7th week.*

**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 m., at the Portland Center office, 814 Oregon Building, 509 Southwest Oak street; during the first three weeks of each term they may also register in the evenings, except Saturday, from 6:45 p.m. to 9:15 p.m., at Lincoln High School, 1620 Southwest Park avenue.

**Refunds.** Refunds of fees will be granted only to students who are obliged for sufficient reasons to withdraw from the Portland Center. After the third week only a proportionate rebate will be allowed. *No refunds may be granted after the fifth week of any term.*

#### SCHEDULE OF REFUNDS

To close of 3rd week.....	Full amount of fee
To close of 4th week.....	½ of fee
To close of 5th week.....	¼ of fee

*No refunds are granted after the close of the 5th week.*

**Degree Fee.** The degree fee of \$6.50 is paid for each degree taken. No person may 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 who take preliminary or final examinations for advanced degrees. Students who are registered pay the difference between their registration fee and \$10.00 for the privilege of taking such examinations.

**Transcript Fee.** A transcript fee of \$1.00 is charged for each transcript of credits issued after the first, which is issued free of charge.

## Grading System

The quality of student work is measured by a system of grades and grade points.

**Grades.** The grading system consists of: four passing grades, A (exceptional accomplishment), B (superior), C (average), D (inferior); F (failure); Inc. (incomplete); W (withdrawn). When the quality of the work is satisfactory, but the course has not been completed, for reasons acceptable to the instructor, a report of Inc. may be made and additional time will be granted, not to exceed one year following the end of the term in which the incomplete is received. Students withdrawing from any course should notify the Portland Center office and the instructor.

**Points.** 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 for 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.

## Group and Departmental Requirements

A student registering for credit should confer with advisers in the Portland Center office regarding the requirements of the school or department in which he has selected his major.

**Group Requirements.** To receive the Junior Certificate and to be admitted to upper division standing, lower division students must satisfy all the requirements described in the general catalogs of the institutions of the State System, including the group requirements. Group requirements for the University of Oregon or Oregon State College may be planned in the Portland Center, and lower division students should consult advisers in the Portland Center office in regard to the courses that will satisfy 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 with which they are matriculating by filing their transcripts of credits and applying for advanced standing. Before they register in the Portland Center, students should bring their statement of standing or a summary of their 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.

**Majors in Education.** Major students in education who are now engaged in or expect to continue in elementary teaching will find it desirable to plan sequences in two given fields, in addition to their major in Education. Following is a list of sequences available through the Portland Extension Center and Correspondence Study:

#### Art Sequence

PORTLAND CENTER	
AA 290p. Lower-Division Painting. 6 hours.	AA 376p, 377p. Advanced Art Appreciation. 6 hours.
AA 291p. Lower-Division Drawing. 6 hours.	AA 491p. Upper-Division Drawing. 6 hours.
AA 292p. Lower-Division Composition. 6 hours.	LA 179p. Landscape Architecture. 4 hours.
AA 295p. Lower-Division Decorative Design. 6 hours.	
AA 347p, 348p. History of Painting. 6 hours.	
AA 371p, 372p, 373p. Commercial Art. 6 hours.	
	<b>CORRESPONDENCE STUDY</b>
	AA C 144, 145. Freehand Drawing. 4 hours.
	AA C 150. Mechanical Drawing. 6 hours.
	AA C 166. Design I. 3 hours.

*Biology Sequence*

## PORTLAND CENTER

Bac 848p, 849p. Bacteriology and Communicable Diseases. 6 hours.  
 Bac 850p. Public Health. 2 hours.  
 Bac 851p. General Microbiology Laboratory. 8 hours.  
 Bac 852p. Communicable Diseases Laboratory. 8 hours.  
 Nur 827p. Human Nutrition. 6 hours.  
 Phy 411p, 412p, 418p. Human Physiology and Hygiene. 6 hours.

*Business Administration Sequence*

## PORTLAND CENTER

BA 111p, 112p, 118p. Constructive Accounting. 12 hours.  
 BA 407p. Problems of Credit Management. 2 hours.  
 BA 416p, 417p, 418p. Business Law. 6 hours.  
 BA 425p. Real Estate Fundamentals. 2 hours.  
 BA 436p. Retail Merchandising. 4 hours.  
 BA 487p. Credit Management. 4 hours.  
 BA 439p, 440p, 441p. Advertising. 6 hours.  
 BA 442p. Principles of Salesmanship. 2 hours.  
 BA 480p. Life Insurance. 4 hours.  
 BA 482p. Real Estate: Appraisals. 2 hours.  
 BA 483, 484, 485. Accounting Theory and Practice. 6 hours.  
 BA 490p, 491p, 492p. Advanced Accounting Theory and Practice. 6 hours.

Z 201, 202, 203. General Zoology. 9 hours.

## CORRESPONDENCE STUDY

BiS C101, 102, 103. Biological Science Survey. 12 hours.  
 Bot C 150. Elementary Botany. 3 hours.  
 Bot C 151. Systematic Botany. 3 hours.  
 Bot C 152. Advanced Systematic Botany. 3 hours.  
 Bot C 350. Shrubs and Trees. 3 hours.  
 Z C 160. Bird Study. 3 hours.  
 Z C 250. Elementary Physiology. 3 hours.

BA 498p. Income-Tax Procedure. 6 hours.  
 Eng 217p. Business English. 4 hours.  
 Eng 325p, 326p. Public Speaking for Business Men and Women. 4 hours.

## CORRESPONDENCE STUDY

BA C 111, 112, 113. Constructive Accounting. 12 hours.  
 BA C 416, 417, 418. Business Law. 12 hours.  
 BA C 425. Real-Estate Fundamentals. 2 hours.  
 BA C 484. Problems in Distribution. 4 hours.  
 BA C 439, 440. General Advertising. 6 hours.  
 Ec C 334. Economics of Business Organization and Finance. 4 hours.  
 Ec C 413. Money, Banking and Economic Crises. 5 hours.

*Economics Sequence*

## PORTLAND CENTER

Ec 201p, 202p, 203p. Principles of Economics. 6 hours.

## CORRESPONDENCE STUDY

Ec C 150. Economic History. 6 hours.  
 Ec C 201, 202, 203. Principles of Economics. 9 hours.

Ec C 211. Outline of Economics. 3 hours.  
 Ec C 334. Economics of Business Organization and Finance. 4 hours.  
 Ec C 413. Money, Banking, and Economic Crises. 5 hours.  
 Ec C 475. Economic Problems: Economics of the Recovery Program. 2 hours.

*English Sequence*

## PORTLAND CENTER

Eng 101p, 102p, 103p. Survey of English Literature. 6 hours.  
 Eng 161p. American Literature. 4 hours. (not given 1941-42)

Eng 201p, 202p, 203p. Shakespeare. 6 hours.  
 Eng 324. English Composition for Teachers. 3 hours. (not given 1941-42).  
 Period courses. 6 hours.

*General Science Sequence*

A minimum of 24 term hours in the natural sciences, including at least 9 hours in biological science.

*Geography Sequence*

## PORTLAND CENTER

Geo 320p. Political Geography. 2 hours.  
 Geo 324p. Economic Geography of the Pacific Northwest. 4 hours.  
 G 862p. Geography of Oregon. 2 hours.  
 G 432p. Geologic History of the Pacific Coast. 4 hours.

## CORRESPONDENCE STUDY

Geo C 250, 251, 252. General Geography. 9 hours.  
 G C 250. Geology I. 3 hours.  
 G C 251. Historical Geology. 1½ hours.

*History Sequence*

## PORTLAND CENTER

Hst 341p, 342p, 343p. Modern Europe. 10 hours.  
 Hst 371p, 372p, 373p. History of the United States. 10 hours.  
 From at least two of the following: 6 hours.  
 Ec 201p, 202p, 203p. Principles of Economics.  
 PS 201p, 202p. American National Government, and American State and Local Governments. (not given 1941-42).

Soc 204p, 205p. General Sociology.

## CORRESPONDENCE STUDY

Hst C 207, 208, 209. English History. 9 hours.  
 Hst C 341, 342, 343. History of Modern Europe. 9 hours.  
 Hst C 371, 372, 373. History of the United States. 12 hours.

*Home Economics Sequence*

## PORTLAND CENTER

CT 231p. House Furnishing. 2 hours.  
 CT 250p. Textiles. 2 hours.  
 CT 350p. Consumer Buying in Clothing and Textiles. 2 hours.  
 HAd 340p. Household Management. 4 hours.  
 HAd 442p. Problems of the Consumer-Buyer. 2 hours.

LA 179p. Landscape Architecture. 4 hours.  
 Nur 327p. Human Nutrition. 6 hours.

## CORRESPONDENCE STUDY

CT C 217. Clothing Selection. 3 hours.  
 CT C 331. House Furnishing. 3 hours.  
 FN C 225. Principles of Dietetics. 2 hours.  
 FN C 411. Food Purchasing. 3 hours.  
 HAd 320. Child Development. 3 hours.  
 HAd 340. Household Management. 3 hours.

*Nature Study Sequence*

## PORTLAND CENTER

Ent 235p. The Habits and Management of Honey Bees. 2 hours.  
 G 201p, 202p. General Geology. 6 hours. (not given 1941-42).  
 G 352p. Geology of Oregon. 2 hours.  
 G 432p. Geologic History of the Pacific Coast. 4 hours.  
 LA 179p. Landscape Architecture. 4 hours.

Z 201, 202, 203. General Zoology. 9 hours.

## CORRESPONDENCE STUDY

BiS C 101, 102, 103. Biological Science Survey. 12 hours.  
 Bot C 151. Systematic Botany. 3 hours.  
 Bot C 350. Shrubs and Trees. 3 hours.  
 G C 251. Historical Geology. 1½ hours.  
 Ph C 101. Astronomy. 6 hours.  
 Z C 150. Bird Study. 3 hours.

*Physical Education Sequence*

## PORTLAND CENTER

Bac 848p, 849p. Bacteriology and Communicable Diseases. 6 hours.  
 Bac 850p. Public Health. 2 hours.  
 Nur 327p. Human Nutrition. 6 hours.  
 PE 331p. Physical-Education Laboratory. 2 hours.  
 PE 350. Organization and Administration of Intramural Sports. 2 hours.  
 PE 433p. Physical-Education Laboratory. 2 hours.

Phy 411p, 412p, 413p. Human Physiology and Hygiene. 6 hours.

## CORRESPONDENCE STUDY

BiS C 101, 102, 103. Biological Science Survey. 12 hours.  
 Psy C 418. Abnormal and Borderline Psychology. 4 hours.  
 Z C 250. Elementary Physiology. 3 hours.  
 Ed C 351, 352. Health Education. 4 hours.

*Psychology Sequence*

## PORTLAND CENTER

Psy 201p, 202p, 203p. General Psychology. 6 hours.  
 Psy 411p. Genetic Psychology. 2 hours.  
 Psy 412p. Adolescence, Maturity, and Senescence. 2 hours.  
 Psy 413p. Abnormal Psychology. 2 hours.

Psy C 201, 202, 203. General Psychology. 9 hours.

Psy C 411. Genetic Psychology. 3 hours.  
 Psy C 418. Abnormal and Borderline Psychology. 4 hours.

*Public Speaking and Drama Sequence*

## PORTLAND CENTER

Eng 130p. Extempore Speaking. 2 hours.  
 Eng 138p, 134p, 135p. Fundamentals of Public Speaking. 6 hours.  
 Eng 141p, 142p, 143p. Voice and Diction. 6 hours.  
 Eng 144p, 145p, 146p. Choral Reading. 3 hours.  
 Eng 241p, 242p. Interpretation. 4 hours.

Eng 325p, 326p. Public Speaking for Business Men and Women. 4 hours.

Eng 333p. Conduct of Group Discussion. 2 hours.  
 Eng 337p, 338p. Radio Program Production. 4 hours.  
 Eng 341p, 342p, 343p. Technique of Acting. 12 hours.  
 Eng 347p, 348p. Blue Room Players. 6 hours.

*Sociology Sequence*

## PORTLAND CENTER

Soc 204p, 205p. General Sociology. 6 hours.  
 Soc 370p, 371p. Medical Problems in Social  
 Work. 4 hours.  
 Soc 422p, 423p. War and Society. 4 hours.  
 Soc 451p, 452p. History of Social Thought.  
 6 hours.

## CORRESPONDENCE STUDY

Soc 201, 202, 203. Introduction to Sociology.  
 9 hours.  
 Soc C 204. General Sociology. 3 hours.  
 Soc C 315. Criminology. 3 hours.  
 Soc C 338. Matrimonial Institutions. 3 hours.  
 Soc C 420. Community Problems. 2 hours.

**Graduate Work**

If adequate offerings are available in the fields in which he wishes to work, a student may complete all the requirements for the M.A. (General Studies) at the Portland Center. In a number of fields, one-third of the work for the M.A. (Departmental) or the M.S. degree may be earned in Portland. Graduate work beyond the master's degree is not offered at the Portland Center.

Courses numbered 500-599 are for graduate credit. Some of the courses numbered in the 400's may be taken for graduate credit, provided the student registers as a graduate student, and is entitled so to register, and provided he does the additional work beyond the ordinary undergraduate requirements which is required of graduate students. Courses in the 400's which may be taken for graduate credit are marked with a (G).

**Admission.** A graduate of any accredited college or university is admitted to the Graduate Division by the registrar of the institution which he wishes to enter, upon filing an application for admission and an official transcript of the credits upon which his bachelor's degree is based. Such admission, however, does not of itself entitle a student to become a candidate for a degree.

**Preparation Required for Graduate Study.** Preparation for a graduate major must be an undergraduate major in the same subject, or a fair equivalent. Preparation for a graduate minor must be at least one year sequence of upper division work in addition to foundational courses in the subject. Graduate credit may not be earned in courses for which the student does not show proper preparation by previous record or qualifying examination.

**Study Program.** Graduate students beginning work toward a degree will be expected to work out, in tentative form at least, a complete program of study leading toward the degree desired. This program should allow sufficient time for completion of the thesis or essay. Work on the thesis or essay should be begun as early as possible.

**Grade Requirement.** For graduate students an average grade of B is required on all of the work carried for graduate credit. No work with a grade of D can be counted toward graduate degree.

**Residence Requirement.** For a master's degree one year of full time residence is required, either on the campus of the institution from which the degree is to be taken, or in equivalent hours in summer or post sessions, or at the Portland Extension Center.

**Transferred Credit.** Graduate credit to a maximum of 15 term hours may be transferred from another standard institution with the approval of the major department and the graduate council; but such transferred credit may not shorten required residence.

**Time Limit for Master's Degrees.** All work for a master's degree, including the final examination, must be completed within a period of five years. This rule applies also to graduate work done at another institution from which credit is transferred.

**Course Requirements.** Of the 45 term hours which is the minimum requirement for the M.A. (Departmental) degree, 30 hours must be in major courses and approximately 15 in minor 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 500 courses.

The program for the master's degree must contain courses from at least 3 members of the graduate faculty, amounting to not less than 6 term hours from each.

**Language Requirement.** For the Master of Arts degree, the student must show, by examination or by adequate undergraduate courses, a reading knowledge of one relevant foreign language, preferably French or German. For the Master of Science degree there is no foreign language requirement.

**Preliminary Examination.** A student working toward a master's degree is given a preliminary examination to ascertain whether he is fitted, both by temperament and by basic training, to pursue work on the graduate level in his chosen fields. The student should arrange with his adviser to take this examination before he has completed one-third of the work for the degree. When the preliminary examination has been passed, the student is advanced to candidacy for the degree. Not less than one-third of the course work for the degree should be registered for and completed after the student has been advanced to candidacy. Graduates of the University who have taken the bachelor's degree with honors in the field of the graduate major are ordinarily exempt from the preliminary examination for the master's degree. Graduates of the State College who have maintained a grade-point average of at least 3.25 throughout their undergraduate work may be exempted from taking the preliminary examination.

**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 with the graduate office concerned two weeks before the final examination is taken. The examination will be given on the campus of the institution from which the degree is desired.

**Registration.** Graduate students register in the regular manner at 814 Oregon Building. In addition they must fill out a graduate study card, obtain the signature of each instructor and of the adviser, and file this card in the Portland Center office by the end of the second week of class. No graduate credit can be obtained if this card is not filed. The Dean of the Graduate Division may be consulted during the first week of each term, and at other times as necessary. Appointments may be made by calling the Portland Center office, Atwater 2165. The schedule of fees for graduate students is given on page 12.

**MASTER OF ARTS—GENERAL STUDIES**

When offerings are available, all the work for this degree may be taken in the Portland Center. The Master of Arts General Studies degree is granted (a) for research in interdepartmental fields, and (b) for achievement in cultural scholarship.

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. This degree is a recognition that the graduate interests of the student are sometimes better served by a coordinated approach from several disciplines than by the range of varied graduate courses found in a single department, and that the aims of cultural scholarship may sometimes be better achieved by an integration that disregards departmental requirements. Instead of meeting departmental requirements the General Studies degree usually contemplates a certain complex of courses covering two or more departments. These course complexes are almost limitless in their possible number, and a considerable range may be worked out in the Portland Center.

The purpose of the degree is to adapt the program of studies to each individual student insofar as this is possible. Given the particular interest of the student, the problem is then for the adviser and student to develop that course complex which provides the best integration. This interest may be in terms of a problem in which the student is interested, a field of knowledge which he wishes to explore from many sides, or a period of culture. While no general language requirement exists for the General Studies degree, the adviser or committee may require a language to fulfill certain course complexes. The thesis or essay is not imperative. It may be waived by the committee upon the recommendation of the adviser. Requirements as to credits, grades, time limit, hours, preliminary and final examinations, and fees are the same as for the departmental degree. The preliminary examination should be taken before or upon completion of approximately one-third of the work for the degree.

The degree will not be given for unrelated and non-integrated graduate courses. Each case must be supervised by a member of the General Studies Committee or by a faculty member appointed by the adviser. A student seeking this degree should make application through the Portland Center office to the General Studies Committee either before or as soon as he enters upon graduate work. The advisers in the Portland Center will be Dr. Olof Larsell, dean of the Graduate Division; Dr. Howard R. Taylor, assistant dean of the Graduate Division, and Dr. Louis Berelson, resident adviser, whose office is in the Portland Center. Application forms and detailed instructions will be furnished in the general offices of the Portland Center.

## Description of Courses

In the following description of courses the general character of each course is indicated by its number. Lower-division courses (freshman and sophomore) are numbered below 300. Upper-division courses (junior and senior) are numbered from 300 to 499. Graduate courses are numbered 500 and above. (G) following the name of a 400 course indicates that the course may be taken for graduate credit, with the consent of the instructor.

A "p" following a course number indicates that the course, while for the most part similar to the course of that number listed in the official catalogs, is modified in some significant respect as offered at the Portland Extension Center.

Courses offered at the Portland Center which have no parallel in the courses listed in the official catalogs of the University and the State College are given numbers not assigned to any course in these official catalogs. The number is followed by a "p".

Adult education courses of a non-credit nature are of general interest and not closely related to college or university curricula and are numbered with a zero preceding the number, as Ad 02 or Eng 02. Such courses may be at any difficulty

level but will in each case demand intellectual maturity. The course descriptions for these courses will indicate the level of difficulty and the previous experience required.

The Portland Extension Center reserves the right to discontinue any announced course because of inadequate enrollment or for any other sufficient reason.

## ADULT EDUCATION

The Portland Extension Center is now offering non-credit courses for adults. These courses are usually of general interest and the work is of mature character. Since the fields covered do not constitute an integral part of degree curricula, the courses do not carry college or university credit.

**Ad 02. U. S. Military Organization and the National Defense.** Fall term. (To be repeated if sufficient demand.)

The object of this course is to acquaint the students with the organization of each branch of the U. S. Military, to indicate the specific function of each branch of the armed forces of the United States; the principles of military strategy and tactics; the employment of weapons; and the economics of warfare. The course is offered especially to men who have registered under the Selective Service Act, to teachers, students, and others who need an understanding of the military establishment and the national defense. Tuesday, 7:15, room 113.

**AA 02. Ceramic Design.** Three terms.

See description under Art. Tuesday and Thursday, 7:00, Art Museum.

**Eng 02. How to Read and How to Study.** Fall term. (To be repeated if sufficient demand.)

See description under English. Wednesday, 7:15, room 115.

**GS 02. Science for Modern Living.** Fall and winter terms.

See description under General Science. Wednesday, 7:15, room 315.

## ART

ASSOCIATE PROFESSOR: HINSHAW. INSTRUCTORS: HALVORSEN, RYDER

### LOWER-DIVISION COURSES

**AA 290p. Lower-Division Painting.** Three terms, 1 or 2 hours each term.

*Section 1:* An introduction to the fundamental problems of painting. Elementary problems of craftsmanship are considered and students are encouraged to prepare their own painting surfaces in various ways and to experiment with mixing their own pigments in different oils and emulsions. The class is intended for a wide range of personal interests and stages of development. Instruction is by individual criticism enabling each student to begin and proceed according to his own ability. Some previous experience in drawing is necessary. Hinshaw. Monday and Thursday, 12:00 to 4:00, 6th floor, \*Kraemer building.

*Section 2:* A class for those who wish to paint at night. Portrait and figure problems chiefly, with two or three weeks devoted to studying one pose.

*Course fee,* \$2 each term. Hinshaw. Tuesday, 7:00 to 9:15, 6th floor, \*Kraemer building.

\*206 Southwest Washington street.

**AA 291p. Lower-Division Drawing.** Three terms, 2 hours each term.

Drawing approached from a constructive point of view. Intended for beginners and others who wish to discover and make use of some of the fundamental principles of graphic representation. An effort is made to understand and visualize the simple forms that underlie the complex surfaces and textures of the visual world, and the emphasis is on thoughtful building as opposed to superficial imitation. The first two terms are fully outlined, each assignment being in mimeographed form, containing considerable explanatory and illustrative material. Arrangements for previous terms' work may be made with instructor in winter and spring terms.

*Fall term:* Linear construction and principles of light and dark; organizations of abstract forms, architectural forms, and the human figure in blocks and cylinders. *Syllabus fee, \$1.*

*Winter term:* Plastic organizations of line and tone: the picture as a design; compositions using still life forms, architectural forms, landscape forms, and the human figure. *Syllabus fee, \$1.*

*Spring term:* Pencil sketching. Intended as a sequel to the previous terms, although others with some drawing experience may enter. The class will offer an opportunity to cultivate a more direct and spontaneous approach than was possible in the foregoing two terms. The development of observation will be stressed in direct notations of a variety of subjects. Pencils will be used chiefly though other materials may be suggested.

Hinshaw. Section 1, Monday, 4:00; Section 2, Wednesday, 7:00, 6th floor, \*Kraemer building.

**AA 292p. Lower-Division Composition.** Three terms, 2 hours each term.

An active study of the principles of composition as they are discovered through creative effort. The course is intended to be helpful to students of commercial art and design as well as to the general art student or teacher. It presupposes some previous experience in drawing. Hinshaw. Time to be arranged with instructor.

**AA 295p. Lower-Division Decorative Design.** Three terms, 2 hours each term.

Class problems will be planned to stimulate an experimental discovery of general design principles. It will be shown that these general design ideas are common to all the arts but that they must be interpreted with originality and applied freely. An approach is thus furnished for understanding the formal side of all the visual arts. Sources for design motifs will be discussed and typical decorative problems assigned. Hinshaw. Thursday, 4:00, 6th floor, \*Kraemer building.

**AA 347p, 348p. History of Painting.** Three terms, 2 hours each term.

A brief historical survey of Western painting from Giotto to the present. An effort will be made to trace the development of style in the great periods and to relate the chief artists to their times and to the tradition as a whole. Some attention will be given to general art theory. In addition to furnishing a background of information about painting and painters, the class should be helpful in developing an intelligent response to the art of our own times as well as that of former periods.

*Fall term:* Renaissance and Baroque periods.

*Winter term:* From the 18th century through the Impressionists.

*Spring term:* Post-Impressionism and subsequent modern French developments and American painting.

Hinshaw. Wednesday, 4:00, 6th floor, \*Kraemer building.

**AA 371p, 372p, 373p. Commercial Art.** Three terms, 2 hours each term.

A practical course dealing mainly with problems in lettering, show-card writing, advertising layout and poster making.

*Fall term:* Lettering and show-card writing. Careful study of a few fundamental types of alphabet, with considerable drill on methods for their formation in a freehand way; historic styles with suggestions for modern adaptations. The letter as design; problems in spacing and arrangement. Study of appropriate styles to suit various modern purposes, particularly signs and show-cards, and other directly written lettering not intended for reproduction.

*Winter term:* Lettering for reproduction. A continuation of drill in letter formation and design with special emphasis on the more carefully constructed types of lettering required for reproduction. Lettered posters, advertising layouts, book covers, package labels; design principles in relation to such problems.

*Spring term:* The poster. The function of a poster; psychological and aesthetic requirements of poster art. Consideration of poster materials; design with especial emphasis on the human figure. Suggestions with regard to the simplification, abstraction, and decorative treatment of the figure to suit poster requirements as well as other forms of modern commercial art.

Hinshaw. Friday, 7:15, room 301.

**AA 376p, 377p, 378p. Advanced Art Appreciation.** Three terms, 2 hours each term.

Art in contemporary life. Designed to create an understanding and appreciation of art forms, which have grown out of the machine age. The course deals with historical significance, the aesthetic importance and the practical implications of the various contemporary movements in painting, sculpture, architecture, city planning, stage, industry, costume, and motion picture. Techniques and factors involved in understanding the creativeness of forms will be demonstrated to meet the need of educators. Also, lectures, slides, photographs, motion pictures and analysis of objects.

*Fall term:* Contemporary painting. Why certain kinds of art works have developed in America. Discussion and demonstration in various media in newer tendencies of expression. Discussion of choice and organization of subject matter. A study of the science of color and principles of application.

*Winter term:* Contemporary sculpture and architecture. Practical implications of the various movements in sculpture and architecture. Analysis of form and three-dimensional mass, working with various mediums. The importance of a close relation between sculpture and architecture. Concern for new forms as a result of certain technical development. Practical demonstrations for the workshop.

*Spring term:* The community in contemporary life. Lectures cover the area of city planning, highways and bridges, industry, costume, stage and motion pictures. Opportunity to bring curriculum problems to the workshop for study and solution.

Halvorsen. Wednesday, 7:15, room 317.

**AA 491p. Upper-Division Drawing.** Three terms, 2 hours each term.

Study of the head and figure. This class meets twice a week and works directly from the model for two hours each evening. Portrait studies, costume figure sketch, and life drawing. Directness and freedom are encouraged and emphasis is placed on gaining an understanding of proportion, action, and the more important elements of anatomical construction. Each evening the drawing period will be preceded by a fifteen-minute lecture-demonstration concerning materials and methods of drawing, the action, proportion, and anatomy of the figure; suggesting work to be carried on outside the class. Intended for those

beginning to draw from life, for others who have had considerable experience and wish to continue; for the general art student, teachers, fashion artists, and commercial artists. *Course fee, \$3 each term.* Hinshaw. Monday and Thursday, 7:00 to 9:15, 6th floor, \*Kraemer building.

## NON-CREDIT COURSE

## AA 02. Ceramic Design. Three terms.

A course in pottery making and ceramic sculpture in which emphasis will be placed on design as it grows out of sound technique. The work will be of graduate calibre, although the course does not carry credit, and is intended for art teachers and those who have general art training. The enrollment is limited. In addition to work with the instructor, the class will form the nucleus of a "Design Clinic" to be held once a month. For each of these clinics a panel of competent critics will be invited to discuss the work of the class from the point of view of ceramic design. The class will also be part of a community project in design for which a grant from the Carnegie Corporation of New York was made to the Portland Art Museum to be used in collaboration with the Portland School District, the Oregon Ceramic Studio, and the Department of Architecture and Allied Arts of the University of Oregon. Under this grant, an eminent specialist in the field of ceramic design will be brought to Portland during the year and will be available to the members of this course for discussion, demonstration, and criticism. Application forms for enrollment are available at the Portland Extension Center and the Art Museum. The registration fee will not include the cost of clay, firing, or glazing. *Registration fee, \$12 each term.* Ryder. Tuesday and Thursday, 7:00 to 10:00, Art Museum, Southwest Park avenue at Madison.

## BACTERIOLOGY

PROFESSOR: SEARS. INSTRUCTORS: SULLIVAN, WEINZIRL

## UPPER-DIVISION COURSES

Bac 348p, 349p. **Bacteriology and Communicable Diseases.** Three terms, 2 hours each term.

The general characteristics of bacteria and their relation to disease; public health control of the chief communicable diseases. *Syllabus fee, 50c.* Sears. Monday, 7:15, room 317.

Bac 350p. **Public Health.** Fall term, 2 hours.

A general survey of personal and community hygiene. Some of the topics to be considered will be: vaccines, bacterins, toxins, serums, desensitization, specific medicine, surgery, and food factors; carriers of disease, cleanliness, isolation, disinfection, epidemiology; temperature, humidity, ventilation, lighting, clothing, exercise; public health organization and legislation, eugenics; maternity, infant, pre-school, occupational, and old-age hygiene. Weinzirol. Friday, 7:15, room 108.

Bac 351p. **General Microbiology Laboratory.** Three terms, 1 hour each term.

An introductory laboratory study of the morphological and the cultural characteristics of bacteria, yeasts, molds, and protozoa with special emphasis on the microorganisms causing human disease. Bac 348p, 349p must be taken in conjunction with this course. *Syllabus fee, 50c; laboratory fee, \$3 each term.* Sullivan. Friday, 7:15, bacteriology laboratory, third floor, Medical School.

\* 206 Southwest Washington street.

Bac 352p. **Communicable Diseases Laboratory.** Three terms, 1 hour each term.

A laboratory study of disease microorganisms with special reference to the procedures used in the isolation and identification of species. Prerequisite: Bac 351p, or equivalent. *Laboratory fee, \$3 each term.* Sullivan. Thursday, 7:15, bacteriology laboratory, third floor, Medical School.

## BUSINESS ADMINISTRATION

PROFESSOR: COMISH. ASSOCIATE PROFESSORS: GAGE, JANNEY. ASSOCIATE PROFESSOR: COLLIER  
INSTRUCTORS: JONES, KUHN, PATTULLO, RUBEX, SNIDER, STRONG, VAN, WATSON

## ACCOUNTING

NOTE: *The Oregon State Society of Certified Public Accountants' Prize*, consisting of accounting books to the value of \$25.00, is made to the most outstanding student in accounting.

## LOWER-DIVISION COURSES

BA 111p, 112p-a. **Constructive Accounting I.** Three terms, 2 hours each term.

An introductory course to the field of accounting. No prior experience or training in bookkeeping or accounting is expected of students who enroll. This course is given to acquaint the student with the functions of accounts, the relations of accounts to each other, and the purpose of accounting records in modern business procedure. Much time and attention is devoted to problems illustrating the theory of double entry both as to single transactions and as to the operation of a complete set of accounts. A limited amount of practice-set work is required. Section 1, Janney. Monday, 7:15, room 106. Section 2, Rubey. Tuesday, 7:15, room 105. Section 3 (*fall term only*), Janney. Friday, 7:15, room 106.

BA 112p-b, 113p. **Constructive Accounting II.** Three terms, 2 hours each term.

A continuation of BA 111p, 112p-a. 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, giving a student a thorough training in the technique of opening and closing a set of books, are required. Students with some practical or theoretical training in accounting, but who are not prepared for advanced accounting, may enroll in this course. Section 1, Janney. Wednesday, 7:15, room 106. Section 2, Van. Thursday, 7:15, room 105.

## UPPER-DIVISION COURSES

BA 483p, 484p, 485p. **Accounting Theory and Practice.** Three terms, 2 hours each term.

Presupposes a thorough knowledge of accounting from the constructive standpoint. An exposition of advanced accounting principles, functions and preparation of special statements, and ratio analysis of financial statements. Considerable attention is given to the problems and legal aspects of accounting in the partnership and corporate forms of business organization. Prerequisite: BA 111p, 112p, 113p. Janney. Thursday, 7:15, room 106.

BA 490p, 491p, 492p. **Advanced Accounting Theory and Practice.** Three terms, 2 hours each term.

The principal aim is 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 audits, detailed audits, continuous audits, cash audits, and special investigations—are treated in detail. Prerequisite: BA 483p, 484p, 485p, or equivalent in professional training. Janney. Tuesday, 7:15, room 106.

BA 493p. **Income-Tax Procedure.** Fall and winter terms, 2 hours each term.

A 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, and the settlement of tax disputes will be explained. New developments in income tax law will be emphasized. Pattullo. Monday, 7:15, room 105.

### GENERAL BUSINESS COURSES

#### LOWER-DIVISION COURSE

Eng 217p. **Business English.** Fall and winter terms, 2 hours each term.  
See description under Written English.

#### UPPER-DIVISION COURSES

Eng 325p, 326p. **Public Speaking for Business and Professional Men and Women.** Fall and winter terms, 2 hours each term.

See description under Public Speaking.

\*BA 407p. **Business Problems: Problems of Credit Management.** Fall term, 2 hours.

A course designed to broaden and expand the technical credit knowledge of student or executive equipped with training in finance and accounting. A detailed study of the complex problems of credits, finance, legal procedure, and other factors involved in the practical solution of case problems. Prerequisite: BA 437p, or equivalent. Watson. Tuesday, 7:15, room 104.

BA 416p, 417p, 418p. **Business Law.** Three terms, 2 hours each term.

*Fall term:* Contracts. A general view of law and its relation to business; fundamental legal principles, legal rights and duties, common law and statutory laws. The law of contracts with a consideration of the principles through the study of illustrative cases.

*Winter term:* Sales and negotiable instruments. Legal principles involved in the sale of goods and merchandise, the sales contract, the Uniform Sales Act. The law of negotiable instruments, types and creation of negotiable instruments. Real estate mortgages.

*Spring term:* Agency, corporations, partnerships. Various methods of carrying on business. Agency, the corporation, partnerships: their advantages and disadvantages, the duties and liabilities of corporate officers and partners. Agency: when the principal is liable for the agent's acts, duties of principal and agent. Illustrative cases and problems.

Collier. Friday, 7:15, room 103.

BA 425p. **Real-Estate Fundamentals.** Fall term, 2 hours.

Designed for the person who wants a better understanding of the principles and practices of urban real estate operation. Suitable for the broker, or prospective broker, or salesman, as well as for the individual property owner. Lectures presented by specialists in the field and by the instructor. Topics will include: state regulation and ethics, physical and legal measurement of land, liens and taxation, legal instruments, assuring and closing title, brokerage, selling and advertising, leases and lease negotiation, management, home building, financing, and city zoning and planning. Gage. Wednesday, 7:15, room 107.

\* Required for the Award of Associate or Fellow by the National Institute of Credit (N.A.C.M.)

BA 436p. **Retail Merchandising.** (G) Fall and winter terms, 2 hours each term.

This course deals with retail organizations, practices, policies, and problems. It emphasizes stock control systems, buying, methods of sales promotion such as retail display and advertising, plant operation, personnel, methods of wage payment, credit, finance, receiving and marking, mark-ups, mark-downs, turn-overs, pricing, style changes, trends in retailing expense classification and distribution. Comish. Tuesday, 7:15, room 203.

\*BA 437p. **Credit Management: Credits and Collections.** Fall and winter terms, 2 hours each term.

Presented to meet the needs of both the credit executive and the student who desires to enter the field of credit and financial management. Present standards and practices are given detailed treatment, together with the history and development of business methods resulting in the adoption of these standards. Sufficiently broad in scope to embrace a wide range of essential subjects—credit machinery, credit information and its sources, analyses of financial statements, extension, compositions, collections, and bankruptcy, including a study of the new Bankruptcy Law of 1938. Snider. Tuesday, 7:15, room 107.

BA 439p, 440p, 441p. **Advertising.** Three terms, 2 hours each term.

A course designed for those who want to know (1) how advertising works; (2) what it does for American business; (3) the various techniques of producing modern advertisements, both periodical and direct mail. Suitable for executives, merchants, salesmen, prospective copy writers, layout men, radio announcers and continuity writers. Topics covered: strategy of trademark advertising, retail, and public relations advertising; practical, market research; newspaper and magazine copy, layout, and illustration; psychology of advertising, with special emphasis on attention and desire through exploitation of buying motives; special four-week study of direct mail letters and folders. Kuhn. Thursday, 7:15, room 114.

BA 442p. **Principles of Salesmanship.** Spring term, 2 hours.

Salesmanship presented on the basis of established laws of psychology and economics. The traditional elements of selling technique, such as approach, interview, presentation, demonstration and close with a series of practical talks by successful business men in the field of selling. Primarily a laboratory course for the discussion and solution of sales problems and for the application of the principles of salesmanship in everyday selling. Analysis of various theories of selling. The fundamental differences between the buying behavior of the consumer and the selling behavior of the salesman.

Comish. Tuesday, 7:15, room 203.

†BA 478p. **Problems of Life Insurance.** Fall term, 2 hours.

A study of the economic basis of life insurance, outlining the monetary importance of human life values, how established economic principles may be applied to these life values, and explaining the nature of life insurance as an investment. Strong. Monday, 7:15, room 113.

†BA 480p. **Life Insurance.** Winter and spring terms, 2 hours each term.

*Winter term:* Fundamentals. This course presents a practical and nontechnical explanation of the principles and practices of the life insurance business. Its aim is to give a clear conception of the business as a whole.

*Spring term:* The principles of salesmanship. Certain fundamental principles

\* Required for the Award of Associate or Fellow by the National Institute of Credit (N.A.C.M.)

† BA 478p and BA 480p cover the entire subject matter required for part one of the C. U. examinations.

are involved in selling. Application of these principles will be correlated to the economics and fundamentals of life insurance, as a foundation for actual sales work.

Strong. Monday, 7:15, room 113.

**BA 482p. Real Estate: Appraisals.** Fall term, 2 hours.

A practical course giving the several appraisal procedures and approaches along with the method of preparing and presenting an appraisal report. The points will be developed by men of experience in the special fields. The course is intended for those with experience in real property. Jones. Monday, 7:15, room 107.

GRADUATE COURSE

**BA 501. Advanced Commercial Research.** Three terms, 2 or 3 hours each term. Comish. Time to be arranged.

**DRAMA**

INSTRUCTORS: CHURCHILL, COLLINS, MARYE, MATSON, SMITH

NOTE: Drama courses in the Portland Center are given in cooperation with the Portland Civic Theatre School.

LOWER-DIVISION COURSES

**Eng 141p, 142p, 143p. Voice and Diction.** Three terms, 2 hours each term.

The principles and practice of voice development, correct breathing, tone quality, resonance, flexibility, and support. A study and practice of phonetic principles and the development of ease and clarity in enunciation. Matson. Section 1, Monday, 7:15, room 203; Section 2 (*fall term only*), Wednesday, 7:15, room 203.

**Eng 144p, 145p, 146p. Choral Reading.** Three terms, 1 hour each term.

Group reading of poetry and rhythmic prose for choral effects. Aims: to quicken the individual's appreciation and enjoyment of poetry, to increase his power in oral interpretation, and to improve the speaking voice. Churchill. Monday, 7:30, \*Portland Civic Theatre.

**Eng 241p, 242p. Interpretation.** Fall and winter terms, 2 hours each term.

Oral interpretation of literature. Smith. Friday, 7:30, \*Portland Civic Theatre.

UPPER-DIVISION COURSES

**Eng 337p, 338p. Radio Program Production.** Fall and winter terms, 2 hours each term.

Outline of the field and parallel survey of the methods in radio and allied fields of public information, where they overlap or are interchangeable. Voice in radio; sound effects in radio; practical work in basic types of script writing; program planning; program building; program production; program merchandising. Collins. Wednesday, 7:15, room 104.

**Eng 341p, 342p-a. Technique of Acting (Beginning).** Three terms, 2 hours each term.

Study and practice of the principles of acting technique. Problems in the development of observation, imagination, concentration, and characterization; body training. Participation in rehearsal and performance. Matson. Thursday 7:30, \*Portland Civic Theatre.

\* 4 Northwest 23rd avenue.

**Eng 342p-b, 343p. Technique of Acting (Advanced).** Three terms, 2 hours each term.

Advanced problems in analysis and presentation of characterization through improvisation and manuscript study. Ensemble work in rehearsal and performance. Prerequisite: Eng 341p, 342p-a, or equivalent. Smith. Wednesday, 7:30, \*Portland Civic Theatre.

**Eng 347p, 348p, 349p. Blue Room Players.** Three terms, 2 hours each term.

A producing group of advanced players, whose work consists of actual theatre practice in rehearsal and performance in both theatres. The technique of the intimate and conventional theatre. Principles of direction with the direct application to acting problems. Prerequisite: Eng 341p, 342p, 343p, or equivalent experience and consent of the director. Marye and Smith. Tuesday, 7:30, \*Portland Civic Theatre.

**ECONOMICS**

INSTRUCTOR: TO BE ANNOUNCED.

LOWER-DIVISION COURSE

**Ec 201p, 202p, 203p. Principles of Economics.** Three terms, 2 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 movement, regulation of railways, the control of trusts, are considered. Thursday, 7:15, room 113.

**EDUCATION**

PROFESSORS: JEWELL, SALSER, WOOD. ASSISTANT PROFESSOR: MONTGOMERY  
INSTRUCTORS: DEBERNARDIS, EDWARDS, KENYON, MARTIN, PERRY

UPPER-DIVISION COURSES

**Ed 311p. Secondary Education.** Fall and winter terms, 2 hours each term.

An extensive study of the problems of the high school from the standpoint of the teacher, involving a consideration of its aims, functions, and characteristics. Prerequisite: General Psychology. Edwards. Monday, 7:15, room 108.

**Ed 431p. Construction and Use of Visual Aids.** Fall term, 2 hours.

Systematic study of all forms of visual materials; selection and use of such materials to best advantage; operation of visual equipment. Prerequisite: Ed 311p, 312p, 313p, or equivalent. De Bernardis. Thursday, 7:15, rooms B and C.

**Ed 450p, 451p. Radio Education.** Fall and winter terms, 2 hours each term.

To acquaint teachers, supervisors, and administrators with methods for adapting and using radio as a teaching aid. Study of the contributions of radio to education, classroom utilization, school production, development of appreciation and discrimination, evaluation in radio education and schools of the air. Kenyon. Tuesday, 7:15, rooms B and C.

**Ed 459p. Advanced Intermediate and Upper-Grade Education.** Fall term, 2 hours.

Application of general educational and psychological principles to actual problems in intermediate and upper-grade teaching growing out of the student's experience. Criteria of teacher and student self-appraisal. Factors of classroom success. A critical analysis of classroom methods, traditional and progressive. Present-day trends in content and pedagogy. Relationship of classroom to building policies and community needs. Perry. Monday, 7:15, room 111.

\* 4 Northwest 23rd avenue.



Ed 462p, 463p. **Psychology of Exceptional Children.** (G) Fall and winter terms, 2 hours each term.

Study of the exceptional child, including the slow learner, the gifted, the physically handicapped, the speech defective, the behavior problem, the delinquent, the nonreader, the poor speller, and the child with unusual difficulties in arithmetic. How to recognize exceptional children and the physical and mental characteristics of such cases. How best to train such children with a view to minimizing developmental defects. The proper care and training, curriculum content, and methods of instruction for the superior child. Martin. Thursday, 7:15, room 104.

Ed 464. **The Reading Process.** (G) Fall term, 2 hours.

The meaning and development of certain factors related to reading, including perception, eye movements, rate, comprehension, vocabulary, intelligence, and handedness. Designed especially to meet the needs of the remedial reading teacher. Montgomery. Monday, 7:15, room 104.

Ed 465, 466. **Diagnostic and Remedial Techniques.** (G) Winter and spring terms, 2 hours each term.

Difficulties in reading, spelling, and arithmetic among atypical children at the primary, elementary, and high-school levels. Techniques of diagnosis; administration and interpretation of mental and achievement tests; remedial procedures suitable for both individual and group instruction. Prerequisite: Ed 464. Montgomery. Monday, 7:15, room 104.

Ed 469p. **Advanced Mental Hygiene.** (G) Spring term, 2 hours.

Advanced course in mental hygiene, taught not from the point of view of the high school or college student but with attention given wholly to the problems of basic factors needed in caring for the mental hygiene of students. Martin. Thursday, 7:15, room 104.

Ed 486p. **Course-of-Study Construction.** (G) Fall or winter terms, 2 hours.

Includes: trends in curriculum organization, general principles of course of study construction, and a survey of major trends in the various subjects.

*Fall term:* Designed primarily for administrators and chairmen of course-of-study committees. Each administrator will develop a curriculum manual for his school. Administrative problems will be stressed. Wood. Wednesday, 7:15, room 114.

*Winter term:* Designed primarily for teachers and members of committees. Each teacher will develop a course of study in his grade or subject. Teaching problems will be emphasized. Wood. Wednesday, 4:15, room B, Central library.

Ed 487p. **Unit Construction.** (G) Fall term, 2 hours.

Designed primarily for teachers interested in adapting their teaching techniques to the unit method, and for principals desiring a background for directing their teachers in unit development. Includes: the place of the unit in the educational program, how to plan a unit, and how to teach a unit (with special emphasis on the development of a wide range of activities and materials). Each teacher will construct a unit as part of the work of the course. Wood. Wednesday, 4:15, room B, Central library.

Ed 488p. **Curriculum Laboratory.** (G) Spring term, 2 hours.

Designed for both teachers and administrators who have special problems growing out of the previous terms' work. Opportunity will be provided for students to work as individuals or committees on a modified workshop plan. Content of course will be determined by interests of class members. Wood. Wednesday, 4:15, room B, Central library.

Ed 493p. **Guidance and Personnel Practices.** (G) Fall term, 2 hours.

An introduction to counseling and guidance. Means and methods of assisting students and workers with their educational, vocational, and personal problems. Policies and plans necessary on the part of schools and communities. Salser. Tuesday, 7:15, room 114.

Ed 495p. **Counseling.** (G) Winter and spring terms, 2 hours each term.

*Winter term:* Counseling and advisory services as developed in schools and prominent organizations. Techniques for effective counseling.

*Spring term:* Case work in school, business, and adult counseling. Practical application of tests, school records, and observation to selected problem cases. salser.

Tuesday, 7:15, room 114.

#### GRADUATE COURSES

Ed 501. **Research.**

**Curriculum and Instruction in the Social Studies.** Winter term, 2 or 3 hours.

Designed for administrators, supervisors, and teachers. Will emphasize recent trends in the organization of the social studies course of study, newer teaching techniques such as class committees, excursions, audio-visual aids, etc., and pupil evaluation. Wood. Wednesday, 7:15, room 114.

Ed 501. **Research.**

**Curriculum and Instruction in the Language Arts.** Spring term, 2 or 3 hours.

Designed for administrators, supervisors, and teachers. Will emphasize recent trends in the organization of language-arts course of study, newer teaching techniques such as class committees, excursions, audio-visual aids, etc., and pupil evaluation. Wood. Wednesday, 7:15, room 114.

Ed 503. **Thesis.** Three terms, hours to be arranged.

Jewell and staff. Time to be arranged.

Ed 505. **Reading and Conference.** Three terms, 2 or 3 hours each term.

Jewell. Saturday, 11:15, room G, Central library.

Ed 507. **Education Seminar.** Three terms, 2 or 3 hours each term.

Jewell. Saturday, 9:15, room G, Central library.

Ed 543p. **History of American Education.** Fall and winter terms, 2 hours each term.

The intellectual development of America with special reference to education. Knowledge of American history a requisite. Open to seniors on consent of instructor. Jewell. Friday, 7:15, room 104.

Ed 587p. **Problems in Philosophy of Education.** Spring term, 2 hours.

The pressing problems in contemporary educational theory; principal contemporary educational movements; the philosophies underlying these movements. Jewell. Friday, 7:15, room 104.

#### ENGINEERING

PROFESSORS: HOLCOMB, THOMAS. ASSISTANT PROFESSOR: WILLEY

#### LOWER-DIVISION COURSE:

GE 111p, 112p. **Engineering Drawing.** Fall and winter terms, 2 hours each term.

*Fall term:* Training in the use of drafting instruments and in the art of lettering; introduction to elementary principles of projection and blue print

reading. Intended for students who have had no previous training in mechanical drawing. Students will furnish their own instruments and material.

*Winter term:* Continuation of projection study; methods of dimensioning and checking drawings, use of auxiliary plane projection, section drawings and standard conventions. Pictorial and shop drawings of machine parts. Elementary study of intersections and development.

Willey. Friday, 7:15, room 315.

#### UPPER-DIVISION COURSES

##### ME 381p. **Engineering Physical Metallurgy.** Fall term, 2 hours.

Properties of metals and methods of test for their evaluation; chemical metallurgy of ferrous and non-ferrous metals; physical metallurgy of ferrous and non-ferrous metals with special reference to binary alloys, purposes and processes of heat treatment, surface hardening, and welding. Thomas. Tuesday, 7:15, room 205.

##### ME 382p. **Applied Physical Metallurgy.** Winter term, 2 hours.

Correlation of application factors with properties; characteristics of metals in fabrication; problems in heat treatment and in welding; engineering design problems. Thomas. Tuesday, 7:15, room 205.

##### CE 382p. **Structural Analysis.** Fall and winter terms, 2 hours each term.

Graphical and algebraic analysis of statistically determinate structures such as simple beams, cranes, roof and bridge trusses. Holcomb. Friday, 7:15, room 111.

##### CE 383p. **Reinforced Concrete.** Spring term, 2 hours.

Study and design of the elements of reinforced concrete including beams, slabs, girders, and columns by various methods such as the transformed sections, graphical, and commercial short-cut methods. Holcomb. Friday, 7:15, room 111.

## ENGLISH

PROFESSORS: PARSONS, POWERS. ASSISTANT PROFESSORS: BERELSON, BLACK, COLLIER  
INSTRUCTOR: CULVER

### COURSES IN LITERATURE

#### LOWER-DIVISION COURSES

##### Eng 101p, 102p, 103p. **Survey of English Literature.** Three terms, 2 hours each term.

Epochs are studied as such, and authors are grouped and regarded as to their distinction, their importance in their periods, and their influence upon later literary forms and thought trends. The course is in sequence but may be elected for separate terms. Required of all English majors and all who are doing a norm in English.

*Fall term:* From Beowulf to John Donne.

*Winter term:* From the Jacobean era to Dr. Samuel Johnson.

*Spring term:* From Cowper and Blake to the Victorians.

Parsons. Wednesday, 7:15, room 202.

##### Eng 201p, 202p, 203p. **Shakespeare.** Three terms, 2 hours each term.

Twenty plays by Shakespeare will be read and studied in the light of the renaissance in England and the author's distinction as dramatist and poet. Source material, varying texts of early editions and reliable critical bibli-

ography will be considered. Students will view creatively situations and roles of the plays from the positions both of audience and of actors. Designed to meet the needs of English majors and those who wish to fulfill a norm in English. Parsons. Friday, 7:15, room 202.

#### UPPER-DIVISION COURSES

##### Eng 367p, 368p, 369p. **The English Novel.** Three terms, 2 hours each term.

A general survey of English prose fiction from Richardson to Hardy, with detailed study of about twelve novels and attention to the development of fictional techniques, types, and movements. The novel will be studied both in its artistic and its social aspects. Black. Friday, 7:15, room 114.

##### Eng 394p, 395p, 396p. **Nineteenth-Century Poets.** Three terms, 2 hours each term.

A study in successive terms of romantic, Victorian, and contemporary poets with due consideration of period consciousness, varying criteria, and artistic aims. Parsons. Thursday, 7:15, room 202.

##### Eng 431p, 432p, 433p. **Eighteenth-Century Literature.** (G) Three terms, 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. Monday, 7:15, room 202.

##### Eng 457p, 458p, 459p. **Literature of the Renaissance.** (G) Three terms, 2 hours each term.

Italian: from Dante, covering Petrarch, Boccaccio, Machiavelli, Michelangelo, note books of Leonardo da Vinci, Gastiglione, Ariosto, Tasso, Cellini. French: Villon, Rabelais, Montaigne, Ronsard and the Pleiade. Spanish: Cervantes, Lope de Vega, Calderon. English: poetry, drama and significant prose from Wyatt and Surrey, through the Elizabethan and Jacobean eras. Parsons. Tuesday, 7:15, room 202.

#### GRADUATE COURSES

##### Eng 503. **Thesis.** Three terms, hours to be arranged.

Parsons and Black. Time to be arranged.

##### Eng 505. **Reading and Conference.** Three terms, hours to be arranged.

Black. Saturday, 11:15, room E, Central library.

##### Eng 507. **Seminar.**

**Special Authors.** Three terms, 2 or 3 hours each term.

Black, Saturday, 9:15, room E, Central library.

### COURSES IN WRITTEN ENGLISH

Note: Three terms of *English Composition* plus two terms of *Vocabulary Building*, or *Good Usage in Speech and Writing*, fulfill the Written English requirement.

#### LOWER-DIVISION COURSES

##### Eng 111p, 112p, 113p. **English Composition.** Three terms, 2 hours each term.

A year-course in 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. Section 1, Berelson. Wednesday, 7:15, room 105. Section 2, Culver. Friday, 7:15, room 115. Section 3 (for beginning students in winter and spring terms), Culver. Thursday, 7:15, room 115.

Eng 114p, 115p, 116p. **Vocabulary Building.** Three terms, 2 hours each term.

Designed to expand and sharpen vocabularies and otherwise to improve the use of English. A study of words: new words, foreign words, word families, the right word; diction, pronunciation, and modern trends in vocabularies, combined with effective programs for acquiring and using the forms and mechanics of writing. Practice in writing. Collier. Tuesday, 7:15, room 103.

Eng 117p, 118p, 119p. **Good Usage in Speech and Writing.** Three terms, 2 hours each term.

A practical course in everyday English, which treats of essential matters of grammar, diction, and mechanics, and develops the principles of sentence structure. It places continuous emphasis on correctness, definiteness, and other prime qualities of speech and writing. Exercises in writing will be adjusted to the vocational needs of the students. Culver. Section 1, Monday, 7:15, room 115. Section 2 (*fall term only*), Thursday, 7:15, room 115.

Eng 217p. **Business English.** Fall and winter terms, 2 hours each term.

Study of modern practices in business correspondence. The course will cover the principles and technique of writing the common types of business letters, with analysis of examples of such correspondence. English presented as an essential tool in business. Collier. Wednesday, 7:15; room 103.

Eng 220p, 221p, 222p. **Creative Writing.** Three terms, 2 hours each term.

A course in which emphasis is placed on the development of ideas and their effective presentation. Practice in writing in the various literary forms, both informative and imaginative, develops facility and enables the student to discover his individual mode of expression. An appreciation of literary technique is acquired through the analytical study of the style of present day writers. Group discussion and individual conferences aid the student in the development of his original powers. Culver. Tuesday, 7:15, room 115.

#### UPPER-DIVISION COURSES

Eng 311p, 312p, 313p. **Advanced Short-Story Writing.** Three terms, 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. *Course fee, \$2 each term* (in addition to registration fee). Powers. Thursday, 7:15, room 111.

Eng 317p, 318p, 319p. **Versification.** Three terms, hours each term.

Offering a study of poetry through consideration of its historical bearings, its various forms, prosody, diction, word-order, and its gradual shuffling-off of traditional ideas of content and pattern and emergence into the individual and freer manner of modern verse. Typical models read and discussed. Writing of verse by members of the class expressly encouraged and reviewed throughout the three terms. Parsons. Thursday, 4:00, room D, Central library.

Eng 354p, 355p, 356p. **Advanced Creative Writing.** Three terms, 2 hours each term.

Writing in the various forms to provide increased ease, certainty, and force in written expression or in preparation for courses in professional writing. A continuation, with emphasis on effectiveness and craftsmanship, for those

who have taken *English Composition, Vocabulary Building, Good Usage in Speech and Writing*, and the first course in *Creative Writing*. Powers. Tuesday, 7:15, room 111.

#### NON-CREDIT COURSE

Eng 02. **How to Read and How to Study.** Fall term. (To be repeated if sufficient demand.)

Intended to improve adult ability in reading books for knowledge and understanding. Treats of approach to books, analysis and interpretation of their contents, and summarizing of their information and thought. Principles studied will be exemplified by actual reading and brief consideration of methods of study. Culver. Wednesday, 7:15, room 115.

#### ENTOMOLOGY

ASSOCIATE PROFESSOR: SCULLEN

#### LOWER-DIVISION COURSE

Ent 235p. **The Habits and Management of Honey Bees.** Spring term, 2 hours.

An elementary discussion of the life history of the honey bee; fundamental principles in their care as a hobby and for honey production; their utilization in biology classes and nature-study groups, Boy Scout, Campfire Girls, and others. The course will include a discussion of the habits of other social insects. Thursday, 7:15, room 108.

#### FORESTRY

In cooperation with the U. S. Forest Service, Region 6, Oregon State College, and the University of Oregon, the Portland Extension Center has sponsored a Forestry Institute particularly for forest officers, of two or three-weeks' duration, during the winter term for the past two years. It is hoped a similar institute may be conducted during the winter term of 1941-42. Definite information may be obtained after November 15, from the Division of Personnel Management of the U. S. Forest Service Regional Office, and from the Portland Extension Center Office.

#### FRENCH

INSTRUCTOR: BEATTIE

NOTE: Two years of a two-hour Portland Center language course, or twelve hours, is equivalent of one year of college language at the University or State College.

RL 1, 2a. **First Course in French.** Three terms, 2 hours each term.

The essentials of French grammar. Translation of short English sentences into idiomatic French and simple French prose into English. Composition will accompany the reading. Abundant and systematic practice in conversation; special emphasis on pronunciation. Monday, 7:15, room 116.

RL 2b, 3. **Second Course in French.** Three terms, 2 hours each term.

This course reviews and extends considerably the knowledge of grammatical principles and the irregular verbs acquired in the previous course. More formal exercises in pronunciation, and a study of idioms used in conversational French. Constant reading of simple texts, and sight work to develop in the student ability to read easy French without recourse to English. Conversation. Tuesday, 7:15, room 116.

RL 4, 5a. **Third Course in French.** Three terms, 2 hours each term.

Grammar is used only for reference with composition work largely replacing grammatical exercises. Continuation of exercises in French pronunciation. More time allotted to practical French conversation. A thorough and systematic drill on French idioms used in conversational French. Thursday, 7:15, room 116.

RL 5b, 6. **Fourth Course in French.** Three terms, 2 hours each term.

Exercises omitted in French composition will be completed. French conversation will be greatly extended. Lessons on French idioms; readings in French prose. Friday, 7:15, room 116.

UPPER-DIVISION COURSE

RL 314p, 315p, 316p. **French Composition and Conversation.** Three terms, 2 hours each term.

Presupposes knowledge of French grammar. Conducted as far as possible in French. The difficulty of the conversation will increase as the course progresses. The composition is intended to release the student from the somewhat formal sentences found in grammars and to introduce idiomatic and lively French. Wednesday, 7:15, room 116.

**GENERAL SCIENCE**

INSTRUCTORS: FERRIER, FOULK

NON-CREDIT COURSE

GS 02. **Science for Modern Living.** Fall and winter terms.

A practical, non-technical course for those wishing to understand more fully the importance of science in everyday life: in the home, on the road, in the community. A simple biological explanation of the body; environment, heredity; astronomy; improper use of patent medicines; consumer frauds; drinking water; optics; communication; natural resources; hazards of the home; composition of matter; scientific automobile operation; electricity in the home. Wednesday, 7:15, room 315.

**GENERAL STUDIES**

ADVISER: BERELSON

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: APPLETON

UPPER-DIVISION COURSES

Geo 320p. **Political Geography.** Spring term, 2 hours.

Study of political boundaries and aspirations of various nations as they grow out of the natural regional setting. Such topics as colonies, raw materials, migrations, foreign trade reviewed in the light of the needs of individual nations and surrounding regions. Wednesday, 7:15, room 108.

Geo 324p. **Economic Geography of the Pacific Northwest.** Fall and winter terms, 2 hours each term.

A course designed to promote understanding of the region through an intensive study of its physical characteristics, the resources upon which economic development is based, and the major physical, economic, and social problems confronting the area. Wednesday, 7:15, room 108.

**GEOLOGY**

PROFESSOR: HODGE

UPPER-DIVISION COURSES

G 352p. **Geology of Oregon.** Spring term, 2 hours.

A continuation of G 432p, specializing on the regional geology of Oregon. Thursday, 7:15, room 203.

G 432p. **Geologic History of the Pacific Coast.** (G) Fall and winter terms, 2 hours each term.

The geology of the Pacific Coast and adjacent states, except Oregon. Illustrated lectures will present a description of the surface geology and geomorphic features of each terrain and their origin. In addition attention will be directed toward the geographic responses derived from the geological settings and especially toward the mineral and other natural resources and their industrial and strategic possibilities. The problems of the present and future defense and industrial self-sufficiency dependent upon the geomorphology and geologic resources will be discussed. Thursday, 7:15, room 203.

GRADUATE COURSE

G 505. **Reading and Conference.** Three terms, 2 or 3 hours each term. Thursday, 7:15, room 203.

**HISTORY**

PROFESSOR: HULME. ASSOCIATE PROFESSOR: GANOE

UPPER-DIVISION COURSES

Hst 343p-a,b. **Modern Europe Since 1914.** Fall and winter terms, 2 hours each term.

The history of Europe from the beginning of the World War to the present, with emphasis on political, economic, and cultural developments. The effects and results of the war; the revolutions and peace settlements; the postwar period, League of Nations, and anti-war efforts; and the breakdown of the status quo since 1931. Hulme. Monday, 7:15, room 112.

Hst 373p-a,b. **History of the United States.** Fall and winter terms, 2 hours each term.

*Fall term:* 1898-1917. The Spanish-American War, the United States in transition at the turn of the century, the Progressive era, Wilsonian democracy, and the effects of the World War in the United States before 1917.

*Winter term:* 1917 to the present. The United States in the World War, foreign affairs since 1918, the quest for normalcy, the great depression, the New Deal.

Ganoe. Friday, 7:15, room 112.

Hst 377p. **Oregon History.** Spring term, 2 hours.

A general survey of the discovery and exploration of the Oregon country, the development of the Northwest fur trade, the coming of the immigrants, and the final establishment of organized government. A review of Oregon's transportation history, ocean and river commerce, and the development of industry and agriculture. Ganoe. Friday, 7:15, room 112.

Hst 414p, 415p. **European Thought and Culture.** (G) Fall and winter terms, 2 hours each term.

A history of intellectual movements and social trends in Europe, with special emphasis on Germany, France, and England. Development of the Western European mind; origins of contemporary mental attitudes; history of the freedom of thought. Hulme. Tuesday, 7:15, room 112.

Hst 421p, 422, 423p. **The Middle Ages.** (G) Three terms, 2 hours each term.

History of Europe from the decline of the Western Roman Empire to the age of the councils. A study of the beginning and development of medieval life, of the life of the peasants, the townfolk, the nobles, the monks and friars, and the universities, and of the literature and thought of that time. Hulme. Wednesday, 7:15, room 112.

Hst 431p-a.b. **The Renaissance.** (G) Fall and winter terms, 2 hours each term.

The development of the new humanism in its relations to the political, social and religious life of the time as seen in the revival of nationality and individuality, of literature, art, and science, and in the results of travel and geographical discovery. Hulme, Thursday, 7:15, room 112.

Hst 432p. **The Reformation.** (G) Spring term, 2 hours.

The disruption of the Church in Western Europe, the Counter Reformation, and the religious wars. Hulme. Thursday, 7:15, room 112.

Hst 441p. **French Revolution and Napoleon.** (G) Spring term, 2 hours.

Study of the social, political, and economic conditions giving rise to the French Revolution. History of Europe from 1789 to 1815. Hulme. Monday, 7:15, room 112.

Hst 448p. **Recent France.** (G) Spring term, 2 hours.

A study of the political, social, and cultural development of France from the opening of the nineteenth century to the present day. Special attention will be paid to the literature and the art of the country as expressions of the life of the people. Hulme. Tuesday, 7:15, room 112.

Hst 486p, 487p. **American Economic History** (G) Three terms, 2 hours each term.

All phases of the economic development of the United States. Ganoë. Saturday, 9:15, room F, Central library.

#### GRADUATE COURSES

Hst 501. **History Research.** Three terms, 2 or 3 hours each term.

Ganoë. Saturday, 11:15, room F, Central library.

Hst 503. **History Thesis.** Three terms, hours to be arranged.

Ganoë. Time to be arranged.

Hst 505. **Reading and Conference.** Three terms, 2 or 3 hours each term.

Ganoë. Saturday, 11:15, room F, Central library.

### HOME ECONOMICS

INSTRUCTORS: MAXWELL, MOREHOUSE, PETERSON

#### LOWER-DIVISION COURSES

CT 231p. **House Furnishing.** Fall term, 2 hours.

Principles of design and color applied to the planning of interiors, a study of furnishings as to style and quality, and the assembling of home backgrounds for families of various sizes, interests and incomes. Morehouse. Monday, 7:15, room 301.

CT 250p. **Textiles.** Winter term, 2 hours.

A study of the fibers, construction, finishes and characteristics of the principle fabrics used today for clothing and house furnishings, to aid the consumer in judging quality, suitability, and economy. Special emphasis will be given to recent developments in synthetics and the new functional finishes. Morehouse. Monday, 7:15, room 301.

#### UPPER-DIVISION COURSES

HAd 340p. **Household Management.** Fall and winter terms, 2 hours each term.

Problems arising in the management of a home; special consideration to the management of money, time, and energy. Maxwell. Thursday, 7:15, room 315.

CT 350p. **Consumer Buying in Clothing and Textiles.** Spring term, 2 hours.

A comparison of the qualities, prices and factors making for consumer satisfaction in yard goods and ready-made articles of clothing and house furnishings. A study will be made of labels, sales and marked-down merchandise, and special store services as contract and installment buying, charge accounts and delivery. Morehouse. Monday, 7:15, room 301.

HAd 422. **Family Relationships.** Fall term, 2 hours.

This course is designed to help individuals gain an understanding of problems arising in family living in the relationships between husband and wife, parent and child, and between children. Discussion will also include 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. Peterson. Tuesday, 7:15, room 301.

HAd 442p. **Problems of the Consumer-Buyer.** Spring term, 2 hours.

Problems met by the household buyer in her efforts to make an intelligent selection of goods on the modern market; the different types of retail marketing agencies that serve her; methods of improving consumer-buying. Maxwell. Thursday, 7:15, room 315.

### JOURNALISM

PROFESSOR: POWERS

#### LOWER-DIVISION COURSE

J 210p, 211p, 212p. **Journalistic Writing.** Three terms, 2 hours each term.

A practical course in journalistic writing combined with an elementary treatment of the established principles of journalism. Previous training not required, but students should be able to write good standard English.

### LANDSCAPE ARCHITECTURE

PROFESSOR: PECK

#### LOWER-DIVISION COURSE

LA 179p. **Landscape Architecture.** Fall and winter terms, 2 hours each term.

A lecture course planned to meet the needs of the individual looking forward to developing or altering his own home grounds. Elementary drawing and indication on landscape plan. Method of planning and locating walks, drives, plantings, and organization of ground areas in their relation to the floor plan of the house. Plant material discussions. Required reading for those who take the course for credit. Friday, 7:15, room 317.

**LATIN**

ASSISTANT PROFESSOR: BERELSON

## LOWER-DIVISION COURSES

Lat 1, 2a. **First Course in Latin.** Three terms, 2 hours each term.

For beginners in the study of Latin. The aim of the course is to provide a reading knowledge of Latin as rapidly as possible. The essentials of Latin grammar; translation into Latin and into English; Latin vocabulary and its relation to English. Some attention given to a brief survey of Latin literature. Thursday, 7:15, room 205.

\*Lat 4, 5a. **Cicero.** Three terms, 2 hours each term.

For students who have had two years of Latin in high school. Reading of selected orations, essays, and letters of Cicero. Some consideration of Cicero's life and times, but the emphasis is on acquiring an ability to read Latin readily. Latin composition. Brief survey of Latin literature. Monday, 7:15, room 205.

## UPPER-DIVISION COURSE

\*Lat 311p, 312p, 313p. **Latin Literature: Silver Age.** Three terms, 2 hours each term.

Readings from the following: Tacitus, *Germania*; Pliny, *Letters*; Martial, *Epigrams*; Suetonius, *Lives of the Caesars*. The literature of the Silver Age is discussed in relation to political and social developments of the times, and the work of other Silver Age authors is read in translation. Monday, 7:15, room 205.

**LIBRARY**

INSTRUCTOR: MULHERON

## UPPER-DIVISION COURSE

Eng 388p. **Children's Literature.** Fall and winter terms, 2 hours each term.

Survey of foundation literature for children, together with short studies of well known authors who have contributed to the field of children's literature. Also lists of usable children's books on special topics such as science, social sciences, adventure, music and art, and others. A laboratory course of reading and discussion. Tuesday, 7:15, room 108.

**MATHEMATICS**

PROFESSOR: PRICE

## LOWER-DIVISION COURSES

Mth 111p, 112p, 113p. **Introduction to Analysis.** Three terms, 2 hours each term.

*Fall term:* A rapid review of elementary algebraic processes will be followed by a study of functions and their graphs, simultaneous linear equations and quadratics.

*Winter term:* Solution of equations of higher degree than the second. Study of exponents and logarithms. The trigonometric functions and the solution of right triangles will be studied.

Tuesday, 7:15, room 204.

Mth 201p, 202p-a. **Differential and Integral Calculus.** Three terms, 2 hours each term. To be given 1942-43.

\* Either Lat 4, 5a or Lat 311p, 312p, 313p will be given but not both.

Mth 202p-b, 203p. **Differential and Integral Calculus.** Three terms, 2 hours each term. To be given 1943-44.

## UPPER-DIVISION COURSES

Mth 337p. **Elements of Statistics.** Fall and winter terms, 2 hours each term. To be given 1942-43.Mth 421p, 422p. **Differential Equations.** Three terms, 2 hours each term.

*Fall term:* Equations of the first order. Their geometric interpretation and some practical applications.

*Winter term:* Singular solutions. Linear equations with constant and variable coefficients. Exact differential equations.

*Spring term:* Second and higher order equations with applications to science and engineering. Ordinary and partial differential equations with more than two variables.

Thursday, 7:15, room 204.

Mth 448p. **Advanced Statistical Method.** Spring term, 2 hours.

To be given 1942-43.

**MUSIC**

PROFESSOR: KRATT. INSTRUCTORS: CAMPBELL, DUNCAN

## LOWER-DIVISION COURSE

Mus 111p, 112p, 113p. **Theory I.** Three terms, 2 hours each term.

Designed to give a thorough groundwork in the elements of musical science—melodic, harmonic, and rhythmic. Major and minor chords, keys, scales, intervals, and cadences studied in singing, writing, playing, and dictation. Demonstration of the interrelation of harmony and counterpoint in the writing of melodies and countermelodies. Special emphasis on ear training and dictation. Four-part harmony in writing and analysis. Simple contrapuntal analysis combined with simple two-part writings in counterpoint. Foreign tones (passing tones, suspensions, etc.); foreign chords (the attendant or interpolated dominant seventh and diminished seventh). Campbell. Monday, 7:15, room 110.

Mus 127p, 128p, 129p. **Appreciation of Music.** Three terms, 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. Kratt. Tuesday, 7:15, room 110.

## UPPER-DIVISION COURSE

Mus 323p, 324p, 325p. **Choral Conducting.** Three terms, 2 hours each term.

The principles of conducting and training choral organizations. Practical experience in conducting, using the class as a laboratory chorus. Emphasis on conducting technique and problems of choral groups, including selection of materials, voice classification, balance of parts, choral blend, tone quality, and interpretation. Duncan. Thursday, 7:15, room 110.

**NUTRITION**

ASSOCIATE PROFESSOR: MANVILLE

## UPPER-DIVISION COURSE

Nur 327. **Human Nutrition.** Three terms, 2 hours each term.

The subject material is selected in such a manner as to give the student an understanding of the foundation upon which all nutrition rests and the principles involved in maintaining it and in assessing it. The sequence of term

assignments is so arranged that students may register any term for that term's work or all three terms for the entire course.

*Fall term:* Diet formulation. The human body is regarded as an engine with precise methods for determining its energy output and requirements. The theory and method for determining the fuel requirements of the human engine are set forth as a means for measuring the body's energy requirements at rest and at work. Actual determinations of the metabolic rate are made along with drill work in the use of prediction tables.

*Winter term:* Balanced diets. A study is made of the several "balances" of the 24 hour food intake. A dietary diary is kept and the results are assayed or scored as a measure of its adequacy. Food accessories, such as vitamins and minerals, are studied, not as sources of energy but as nutritional regulators.

*Spring term:* Food values. The methods employed in determining food values are reviewed. New technics made necessary by modern food processing and consequently changing food values are discussed. The dietary uses of proteins, fats and carbohydrates are discussed. Emphasis is placed upon the relationship of nutrition to public health and upon nutritional hygiene. Newer concepts of nutrition as an essential in national defense are set forth.

Thursday, 7:15, room 107.

## PHOTOGRAPHY

INSTRUCTOR: REID

UPPER-DIVISION COURSE

Ph 361, 362p. **Photography.** Fall and winter terms, 2 hours each term.

The basic principles of photography necessary to both beginners and those who wish to follow specialized branches. Study is made of correct exposure, developing and printing procedures. Composition and lighting, home portraiture. Attention is given to miniature cameras and natural color photography. Particular attention will be given to photographic techniques used in visual instruction as a special aid to teachers and others. Each topic is taught with the aid of demonstrations. Monday, 7:15, room B.

## PHYSICAL EDUCATION

PROFESSORS: COLEMAN, LEIGHTON. INSTRUCTORS: HILL, LENSCH

UPPER-DIVISION COURSES

PE 331p. **Physical-Education Laboratory.** Fall term, 2 hours.

Rhythms for teachers. Materials and methods for teaching social and other dance forms at the secondary level, stressing correlation of these forms of dance through common rhythmic elements. Lensch. Tuesday, 7:15, Gymnasium.

PE 350. **Organization and Administration of Intramural Sports.** Fall term, 2 hours.

Organization and administration of an intramural program for high schools and colleges; aims and objectives; steps in organizing a program; units of competition program of sports; methods of competition; scoring plans; special administrative problems. Coleman. Wednesday, 7:15, Gymnasium.

PE 433p. **Physical-Education Laboratory.** Fall term, 2 hours.

Plays, games, stunts, story-telling, mimetics for elementary grades. Hill. Monday, 7:15, Gymnasium.

GRADUATE COURSE

PE 515p. **History and Theories of Physical Education.** Winter term, 2 hours.

The history of physical education (practices, purposes and theories) with special emphasis on modern developments, and on current professional organization and relationships. Leighton. Friday, 7:15, room 107.

## PHYSIOLOGY

PROFESSOR: HANEY. ASSOCIATE PROFESSOR: YOUMANS

UPPER-DIVISION COURSE

Phy 411p, 412p, 413p. **Human Physiology and Hygiene.** Three terms, 2 hours each term.

The course will include as its objective a knowledge of the function in health of the various organs and systems of the body and a consideration of the aspects of personal hygiene which may contribute to health. In order to achieve this objective sufficient anatomy and biochemistry will be included to enable the student without previous knowledge of the subject to gain a concept of normal body function. Demonstrations will be given when practical.

*Fall term:* Blood, heart, circulation, respiration. Youmans.

*Winter term:* Foods, digestion, absorption, metabolism, excretion including kidney and skin, nutrition, glands of internal secretion. Haney.

*Spring term:* Muscle, nerve, physiology of exercise, central nervous system, vision, hearing, postural mechanisms. Haney and Youmans.

Wednesday, 7:15, room 205.

## POLITICAL SCIENCE

INSTRUCTOR: ALBRIGHT

LOWER-DIVISION COURSE

PS 201p, 202p. **American National Government, and American State and Local Governments.** Three terms, 2 hours each term. Not given 1941-42.

UPPER-DIVISION COURSE

PS 420. **Democracy.** (G) Fall and winter terms, 2 hours each term.

A study of the political theory underlying the democratic state. Characteristics of a democracy; comparisons with other types of government. Analysis of democracies from the Greeks to the Scandinavian countries, and consideration of problems inherent in popular government, with special reference to the democratic institutions in operation in the United States. Monday, 7:15, room 204.

## PSYCHOLOGY

ASSOCIATE PROFESSOR: BECK. INSTRUCTOR: PORTER

LOWER-DIVISION COURSE

Psy 201p, 202p, 203p. **General Psychology.** Three terms, 2 hours each term.

An analysis of human behavior from the natural science point of view with special reference to the common individual and social adjustment problems of normal people. The fundamental aim of the course is to assist students in acquiring a general understanding of human nature in the light of experimental studies.

Section 1, Beck. Wednesday, 7:15, room 309. Section 2, Porter. Wednesday, 7:15, room 204.

## UPPER-DIVISION COURSES

- Psy 411p. **Genetic Psychology.** (G) Fall and winter terms, 2 hours each term. Study of the growth of behavior during the prenatal period and infancy. Facts and theories pertaining to the development of locomotion, perception, emotion, intelligence, language, and social behavior in the young child and pre-adolescent. Beck. Wednesday, 4:15, room H. Central Library.
- Psy 412p. **Adolescence, Maturity, and Senescence.** (G) Spring term, 2 hours. Study of the behavior changes during adolescence, maturity, and old age with particular reference to physical, intellectual and emotional development in the adjustment toward home, school, and community life. Beck. Wednesday, 4:15, room H, Central Library.

## PUBLIC SPEAKING

ASSISTANT PROFESSOR: COLLIER. INSTRUCTOR: MATSON

## LOWER-DIVISION COURSES

- Eng 130p. **Extempore Speaking.** Spring term, 2 hours. Study of the elements of extemporaneous speeches; voice training, bodily action; sense of communication; selection of subject; organization of material; principles of effective wording. Ample practice in the construction and delivery of original speeches. Intended to develop the direct, conversational style of speaking. Collier. Wednesday, 7:15, room 103.
- Eng 133p, 134p, 135p. **Fundamentals of Public Speaking.** Three terms, 2 hours each term. The study and practice of fundamentals; action, voice, diction, selection of subjects, outlining, organization. Speeches by students coordinated with text. The aim of the course is to lay the foundations for a direct, forceful way of speaking; to help the student to think and speak freely and well before an audience. Collier. Monday, 7:15, room 103.
- Eng 141p, 142p, 143p. **Voice and Diction.** Three terms, 2 hours each term. The principles and practice of voice development, correct breathing, tone quality, resonance, flexibility and support. A study and practice of phonetic principles and the development of ease and clarity in enunciation. Matson. Section 1, Monday, 7:15, room 203. Section 2 (*fall term only*), Wednesday, 7:15, room 203.

## UPPER-DIVISION COURSES

- Eng 325p, 326p. **Public Speaking for Business and Professional Men and Women.** Fall and winter terms, 2 hours each term. A practical course with emphasis on 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. Adjustment to groups and audiences. Study of motives that impel men to action, and ways of reaching these motives. Methods of securing favorable attention. Collier. Thursday, 7:15, room 103.
- Eng 333p. **Conduct of Group Discussion.** Spring term, 2 hours. Continuation of Eng 325p, 326p. A course in conducting various types of group discussions. The board meeting, the business conference, the round table, reports, the open forum, and the panel discussion, will be taken as types for classroom projects in which all members of the class will participate. Methods for the chairman will be emphasized. The class will analyze and discuss current and practical questions. Collier. Thursday, 7:15, room 103.

## SOCIOLOGY

PROFESSORS: GLOYN, HULME, LOVELL. ASSOCIATE PROFESSOR: MCKINLEY  
INSTRUCTOR: HOLMAN

## LOWER-DIVISION COURSE

- Soc 204p, 205p. **General Sociology.** Three terms, 2 hours each term.  
*Fall term:* General sociology. Analysis of social organization and culture; social changes and movements as affected by culture and by biological and physical environmental factors. Analysis of the development of social personality.  
*Winter term:* Social interaction. The nature of the contacts and reciprocal give and take processes among the various groups and types of human beings; interactions of the racial, national, occupational, religious, and educational groupings, with references to social factors contributing to conflicts and cooperation, and the consequent results upon the interacting persons and groups.  
*Spring term:* Social problems. Analysis of a number of strictly contemporary social problems, with the aid of current literature in periodicals, pamphlets, and reports. The selection of the problems for analysis will be made by the class.  
Gloyn. Tuesday, 7:15, room 309.

## UPPER-DIVISION COURSES

- Soc 370p, 371p. **Medical Problems in Social Work.** Fall and winter terms, 2 hours each term. This course will impart general medical information emphasizing methods of prevention and as much information in regard to treatment as a social worker is able to use. Diseases and diagnoses will not be described in detail, but the course will provide the social worker with a better understanding of the meaning of illness to the patient and his family. Lectures on medical information will be given by a physician; the social interpretation will be given by a medical social worker. The fall term will be prerequisite for registration for the winter term. Holman and McKinley. Monday, 7:15, room 114.
- Soc 422p, 423p. **War and Society.** (G) Fall and winter terms, 2 hours each term. Warfare in preliterate societies: struggle for land, prestige, booty, slaves, religion, revenge, women. Warlikeness and ethnocentrism. War and government in historical societies. War and feudalism, absolutism, American and French revolutions. The industrial revolution, the mass army, imperialism. Effects of war upon the individual, family, standards of living, other social institutions. Total war, total conquest. Theories of war, pacifism. Economic, racial, political bases of peace. Lovell. Wednesday, 7:15, room 113.
- Soc 451p, 452p. **History of Social Thought.** (G) Three terms, 2 hours each term. Conceptions of the nature and functions of society from early times to the present day.  
*Fall term:* The nature of social thought. Earliest social thought. The social thought of Egypt, Babylonia, India, Persia, China, Japan, and the Hebrews. Plato, Aristotle, and other Greek thinkers. Marcus Aurelius and Roman social thought. Early Christian social thought. Social thought in the Middle Ages.  
*Winter term:* Sir Thomas More and utopian social thought. Individualistic social thought. Malthus and thought concerning population. Comte, Marx and socialistic thought. Russian social thought. Buckle and geographic social thought. Herbert Spencer. Lester F. Ward and other social thought of his time in the United States. W. G. Sumner and his extreme individualism. Galton and eugenic social thought.



*Spring term:* Social conflict thought. Kropotkin and social cooperation. Gabriel Tarde and social psychology. Albion Small and the social process. The social thought of Franklin Giddings, Edward A. Ross, George Simmel, Max Weber, and Charles Cooley. Pareto and the background of fascist social thought. Contemporary development of social thought.  
Hulme. Friday, 7:15, room 113.

### SPANISH

PROFESSOR: YOUNG. INSTRUCTOR: VARGAS-BARÓN

NOTE: Two years of a two-hour Portland Center language course, or twelve hours, is the equivalent of one year of college language at the University or State College.

#### LOWER-DIVISION COURSES

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

The rudiments of the Spanish language. Pronunciation. Pronunciation and the fundamental rules of syntax will be taught by means of oral drill and written exercises. The reading of a simple text will furnish the basis of conversation. Young. Section 1, Friday, 7:15, room 203. Vargas-Barón. Section 2, Friday 4:15, room H, Central library.

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

A rapid review of grammar, advanced work in syntax, writing of short essays, and reading of typical works by modern authors. Conversational exercises will be based upon easy Spanish narrative prose. The work will be conducted as far as possible in Spanish. Vargas-Barón. Friday, 7:15, room 105.

#### UPPER-DIVISION COURSE

RL 347, 348, 349. **Spanish Composition and Conversation.** Three terms, 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. Vargas-Barón. Saturday, 9:15, room H, Central library.

### ZOOLOGY

ASSOCIATE PROFESSOR: GORDON. INSTRUCTOR: FOULK

#### LOWER-DIVISION COURSE

Z 201, 202, 203. **General Zoology.** Three terms, 3 hours each term.

*Fall term:* The structure and function of the cell. A survey of the phyla of the animal kingdom, including classification, the structure of typical forms, the role of parasitic forms in human disease. In the laboratory various protozoa and the lower phyla of invertebrates are studied. *Laboratory fee, \$3*

*Winter term:* A number of general topics are considered; the faunal regions of Oregon, the world distribution of animals, animal ecology, embryology, the geological history of animals, the evidences and theories of evolution, and animal behavior. In the laboratory the higher invertebrate phyla are studied. *Laboratory fee, \$3.*

*Spring term:* Genetics. Anatomy and physiology with special emphasis on the human. In the laboratory vertebrate anatomy and development is studied. *Laboratory fee, \$3.* Gordon, lecture. Tuesday, 7:15, room 317. Foulk, laboratory. Thursday, 7:15, room 316.

## Schedule of Classes

LINCOLN HIGH SCHOOL  
(S. W. Park and Market Streets)

MONDAY, 7:15 P.M.

Courses	Instructor	Room
<b>BACTERIOLOGY</b>		
Bac 348p, 349p. Bacteriology and Communicable Diseases.....	Sears .....	317
<b>BUSINESS ADMINISTRATION</b>		
BA 111p, 112p-a. Constructive Accounting I (Section 1).....	Janney .....	106
BA 478p. Problems of Life Insurance (fall term).....	Strong .....	113
BA 480p. Life Insurance (winter and spring terms).....	Strong .....	113
BA 482p. Real Estate: Appraisals (fall term).....	Jones .....	107
BA 493p. Income-Tax Procedure (fall and winter terms).....	Pattullo .....	105
<b>DRAMA</b>		
Eng 141p, 142p, 143p. Voice and Diction (Section 1).....	Matson .....	203
<b>EDUCATION</b>		
Ed 311p. Secondary Education (fall and winter terms).....	Edwards .....	108
Ed 459p. Advanced Upper Grade & Intermediate Education (fall term).....	Perry .....	111
Ed 464. The Reading Process (fall term) (G).....	Montgomery .....	104
Ed 465, 466. Diagnostic and Remedial Techniques (winter and spring terms) (G) .....	Montgomery .....	104
<b>ENGLISH</b>		
Eng 117p, 118p, 119p. Good Usage in Speech & Writing....	Culver .....	115
Eng 141p, 142p, 143p. Voice and Diction .....	Matson .....	203
Eng 431p, 432p, 433p. Eighteenth Century Literature (G) ..	Parsons .....	202
<b>FRENCH</b>		
RL 1, 2-a. First Course in French.....	Beattie .....	116
<b>HISTORY</b>		
Hst 343p-a, 343p-b. Modern Europe Since 1914 (fall and winter terms).....	Hulme .....	112
Hst 441p. French Revolution and Napoleon (spring term) (G) .....	Hulme .....	112
<b>HOME ECONOMICS</b>		
CT 231p. House Furnishing (fall term).....	Morehouse .....	301
CT 250p. Textiles (winter term) .....	Morehouse .....	301
CT 350p. Consumer Buying in Clothing and Textiles (spring term) .....	Morehouse .....	301
<b>LATIN</b>		
Lat 4, 5-a. Cicero .....	Berelson .....	205
Lat 311p, 312p, 313p. Latin Literature: Silver Age.....	Berelson .....	205
<b>MUSIC</b>		
Mus 111p, 112p, 113p. Theory I .....	Campbell .....	110
<b>PHOTOGRAPHY</b>		
Ph 361p, 362p. Photography (fall and winter terms).....	Reid .....	B
<b>PHYSICAL EDUCATION</b>		
PE 433p. Physical-Education Laboratory (fall term).....	Hill .....	Gym
<b>POLITICAL SCIENCE</b>		
PS 420. Democracy (fall and winter terms) (G).....	Albright .....	204
<b>PUBLIC SPEAKING</b>		
Eng 133p, 134p, 135p. Fundamentals of Public Speaking.....	Collier .....	103
Eng 141p, 142p, 143p. Voice and Diction .....	Matson .....	203
<b>SOCIOLOGY</b>		
Soc 370p, 371p. Medical Problems in Social Work (fall and winter terms) .....	Holman and McKinley.....	114
TUESDAY, 7:15 P.M.		
<b>ADULT EDUCATION</b>		
Ad 02. U. S. Military Organization and the National De- fense (fall term) .....	.....	113
<b>BUSINESS ADMINISTRATION</b>		
BA 111p, 112p. Constructive Accounting I (Section 2).....	Rubey .....	105
BA 407p. Business Problems: Problems of Credit Manage- ment (fall term) .....	Watson .....	104
BA 436p. Retail Merchandising (fall and winter terms) (G)	Comish .....	203
BA 437p. Credit Management: Credits & Collections (fall and winter terms).....	Snider .....	107
BA 442p. Principles of Salesmanship (spring term).....	Comish .....	203
BA 490p, 491p, 492p. Advanced Accounting Theory & Prac- tice .....	Janney .....	106

<i>Courses</i>	<i>Instructor</i>	<i>Room</i>
<b>EDUCATION</b>		
Ed 450p, 451p. Radio Education (fall and winter terms).....	Kenyon .....	B & C
Ed 493p. Guidance and Personnel Practice (fall term) (G).....	Salser .....	114
Ed 495p. Counseling (winter and spring terms) (G).....	Salser .....	114
<b>ENGINEERING</b>		
ME 381p. Engineering Physical Metallurgy (fall term).....	Thomas .....	205
ME 382p. Applied Physical Metallurgy (winter term).....	Thomas .....	205
<b>ENGLISH</b>		
Eng 114p, 115p, 116p. Vocabulary Building .....	Collier .....	103
Eng 220p, 221p, 222p. Creative Writing .....	Culver .....	115
Eng 354p, 355p, 356p. Advanced Creative Writing .....	Powers .....	111
Eng 457p, 458p, 459p. Literature of the Renaissance (G).....	Parsons .....	202
<b>FRENCH</b>		
RL 2b, 3. Second Course in French.....	Beattie .....	116
<b>HISTORY</b>		
Hst 414p, 415p. European Thought & Culture (fall and winter terms) (G) .....	Hulme .....	112
Hst 448p. Recent France (spring term) (G).....	Hulme .....	112
<b>HOME ECONOMICS</b>		
HAd 422. Family Relationship (fall term).....	Peterson .....	301
<b>LIBRARY</b>		
Eng 388p. Children's Literature (fall and winter terms).....	Mulheron .....	108
<b>MATHEMATICS</b>		
Mth 111p, 112p, 113p. Introduction to Analysis .....	Price .....	204
<b>MUSIC</b>		
Mus 127, 128, 129. Appreciation of Music .....	Kratt .....	110
<b>PHYSICAL EDUCATION</b>		
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**CENTRAL LIBRARY**

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THURSDAY, 4:00 P.M.

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FRIDAY, 4:15 P.M.

<b>SPANISH</b>		
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<b>EDUCATION</b>		
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SATURDAY, 11:15 A.M.

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Ed 505. Reading and Conference	Jewell	G
<b>ENGLISH</b>		
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<b>HISTORY</b>		
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**PORTLAND CIVIC THEATRE**

(4 N.W. 23rd Avenue)

MONDAY, 7:30 P.M.

<b>DRAMA</b>		
Eng 144p, 145p, 146p. Choral Reading		Churchill

TUESDAY, 7:30 P.M.

<b>DRAMA</b>		
Eng 347p, 348p, 349p. Blue Room Players		Marye and Smith

WEDNESDAY, 7:30 P.M.

<b>DRAMA</b>		
Eng 342p-b, 343p. Technique of Acting (Advanced)		Smith

THURSDAY, 7:30 P.M.

<b>DRAMA</b>		
Eng 341p, 342p-a. Technique of Acting (Beginning)		Matson

FRIDAY, 7:30 P.M.

<b>DRAMA</b>		
Eng 241p, 242p. Interpretation (Fall & Winter terms)		Smith

**6th FLOOR, KRAEMER BUILDING**

(206 S.W. Washington Street)

PROFESSOR HINSHAW

MONDAY

<i>Course</i>	<i>Time</i>
AA 290p. Lower Division Painting (Section 1)	12:00 m.
AA 291p. Lower Division Drawing (Section 1)	4:00 p.m.

TUESDAY

AA 290p. Lower Division Painting (Section 2)	7:00 p.m.
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WEDNESDAY

AA 291p. Lower Division Drawing (Section 2)	7:00 p.m.
AA 347p, 348p. History of Painting	4:00 p.m.

THURSDAY

AA 290p. Lower Division Painting (Section 1)	12:00 m.
AA 295p. Lower Division Decorative Design	4:00 p.m.
AA 491p. Upper Division Drawing	7:00 p.m.

**3rd FLOOR, MEDICAL SCHOOL**

THURSDAY, 7:15 P.M.

<i>Courses</i>	<i>Instructor</i>	<i>Room</i>
<b>BACTERIOLOGY</b>		
Bac 352p. Communicable Diseases Laboratory	Sullivan	Bacteriology Laboratory

FRIDAY, 7:15 P.M.

<b>BACTERIOLOGY</b>		
Bac 351p. General Microbiology Laboratory	Sullivan	Bacteriology Laboratory

**PORTLAND ART MUSEUM**

(S.W. Park Avenue at Madison)

TUESDAY AND THURSDAY, 7:00 P.M.

<b>ART</b>		
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## Correspondence Courses

Through the General Extension Division, the following correspondence courses are available to adults anywhere in Oregon who are not able to attend the classes given by the Oregon State System of Higher Education on the campuses or in extension. Credit earned in correspondence courses may be counted toward graduation from the University of Oregon, Oregon State College, and the Oregon colleges of education.

- ARCHITECTURE**  
 Mechanical Drawing  
 Stresses  
 Elementary Structural Design
- ART**  
 Freehand Drawing  
 Design I
- ASTRONOMY**  
 Astronomy  
 Astronomy (Short Course)
- BIOLOGY**  
 Biology Science Survey  
 Bird Study
- BOTANY**  
 Elementary Botany, Plant Biology  
 Systematic Botany  
 Advanced Systematic Botany  
 Shrubs and Trees
- BUSINESS ADMINISTRATION**  
 Constructive Accounting  
 Business Law  
 Problems in Distribution  
 General Advertising
- ECONOMICS**  
 Economic History  
 Principles of Economics  
 Outline of Economics  
 Economics of Business Organization and Finance  
 Money, Banking and Economic Crises  
 Economic Problems: Economics of the Recovery Program
- EDUCATION**  
 Mental Hygiene  
 Health Education  
 Modern Methods of Teaching in the Upper Grades and High School  
 Introduction to Education  
 Curriculum Construction  
 Foundations of Curriculum  
 General History of Education  
 History of Modern Education  
 Child Study  
 Psychology of Adolescence  
 Measurement in Secondary Education  
 Character Education
- WRITTEN ENGLISH**  
 Principles of Good Writing  
 Exposition, Narration and Argument  
 Introduction to Short Story Writing  
 Short Story Writing  
 Business English  
 Advanced Writing  
 Advanced Short Story Writing  
 Book and Play Reviewing: A Course in Literary Criticism  
 Versification  
 English Composition for Teachers  
 Prose Manuscript  
 Magazine Writing
- LITERATURE**  
 Survey of English Literature  
 Recent American Literature  
 Shakespeare  
 English and American Poetry  
 Contemporary English Novelists  
 Living Writers  
 English Novel of the Nineteenth Century  
 Twentieth Century Literature  
 Nineteenth Century American Novel  
 Contemporary American Novel
- GEOGRAPHY**  
 General Geography
- GEOLOGY**  
 Geology I  
 Historical Geology
- HISTORY**  
 English History  
 History of Modern Europe  
 History of the United States  
 History of Oregon
- HOME ECONOMICS**  
 Principles of Dietetics  
 Food Purchasing  
 Child Development  
 Household Management  
 Clothing Selection  
 House Furnishing
- JOURNALISM**  
 Elementary Newswriting  
 Feature Writing  
 Newswriting for Publicity Chairmen
- LATIN**  
 Beginning Latin and Caesar  
 Cicero  
 Latin Literature: Horace
- LIBRARY METHODS**  
 Book Selection and Evaluation  
 Children's Literature
- MATHEMATICS**  
 Intermediate Algebra  
 Elementary Analysis  
 College Algebra  
 Plane Trigonometry  
 Mathematics of Finance  
 Analytical Geometry  
 Differential and Integral Calculus  
 Elements of Statistics  
 Differential Equations
- MODERN LANGUAGES**  
 First-Year French  
 Second-Year French  
 First-Year German  
 Second-Year German  
 First-Year Spanish  
 Second-Year Spanish
- PHYSICS**  
 College Physics  
 History and Teaching of Physics  
 Meteorology
- PHYSIOLOGY**  
 Elementary Physiology
- POLITICAL SCIENCE**  
 American National Government  
 American State and Local Governments
- PSYCHOLOGY**  
 General Psychology  
 Genetic Psychology  
 Abnormal and Borderline Psychology
- SOCIOLOGY**  
 Introduction to Sociology  
 General Sociology  
 Criminology  
 Matrimonial Institutions  
 Community Problems
- ZOOLOGY**  
 Bird Study  
 Elementary Physiology
- ENTRANCE COURSES**  
 Introduction to Accounting  
 Entrance English I to VIII  
 Entrance English Composition  
 Fundamentals of Written English  
 English Grammar and Usage  
 Beginning Latin  
 Caesar  
 Elementary Algebra  
 Intermediate Algebra  
 Plane Geometry  
 Solid Geometry  
 Elementary Physics  
 Civics  
 American History  
 World History  
 Elementary Economics  
 Social Problems  
 Social Problems and Government